Radia Client Automation Enterprise Configuration Server Database

For the Windows® operating systems

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Reference Guide

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Chapter 1

Introduction

The Configuration Server Database

The Configuration Server Database (CSDB) is an object-oriented database that stores all the information needed to manage assets on a device, including the software, patches, OS images and/or data that RCA distributes, the policies that determine which users are entitled to which resources, and security and access rules for administrators.

The master CSDB on a Core server is the authoritative repository source for replicated CDSBs on Satellite servers. Satellite CDSBs are always replicated from an upstream Core or Satellite server.

Note: Do not make changes to the RCA CSDB that is located on a Satellite server because it is a replication of its upstream server's (on either a Core or another Satellite) and any database changes at this level will be lost on the next synchronization with that upstream server.

The CSDB has a hierarchical structure containing four levels: files, domains, classes, and instances. Use the Radia Client Administration Administrator Configuration Server Database Editor (CSDB Editor) to view and manipulate the CSDB components.

CSDB structure

Term	Description
File	Highest level in the hierarchy of the CSDB. Groups similar domains together. **Example:** The PRIMARY File is used to define and maintain the desired state. This is one of the pre-configured files distributed with RCA.
Domain	Logically partitions a RCA file. Groups similar classes together. **Example:** The POLICY Domain contains the classes needed to create users and groups.
Class	A category of the desired state. The class is a template for the attributes needed to create an instance of the class. **Example:** The USER Class of the POLICY Domain defines subscribers of RCA-managed applications. It defines all of the attributes necessary to identify the agent computer to be managed by RCA.
Class Instance or Instance	An object containing a specific occurrence of a class. This is analogous to a row in a relational data table, or a record in a traditional flat file. The attributes of a class instance object contain data describing one specific entity of that class. **Example:** A USER instance is an object created from the USER Class, containing the information needed to identify a subscriber's agent computer.
Attribute Attribute	An attribute is a data element of a class. The class contains the definition (e.g., the name, data type, description, and length) for each attribute comprising the class. Each class instance created from the class contains a value for each of the attributes

Term	Description
Value	defined in the class. **Example:** The NAME attribute of a USER Class contains the name of the subscriber, and the USERID attribute contains the User ID, as specified by the RCA administrator.

Abbreviations and Variables

Abbreviations Used in this Guide

Abbreviation	Definition
RCA	Radia Client Automation
Core and Satellite	RCA Enterprise environment consisting of one Core server and one or more Satellite servers.
CSDB	Configuration Server Database

Variables Used in this Guide

Variable	Description	Default Values
InstallDir	Location where the RCA server is installed	For a 32-bit OS: `C:\Program Files\Hewlett-Packard\HPCA` For a 64-bit OS: `C:\Program Files(x86)\Hewlett-Packard\HPCA`
SystemDrive	Drive label for the drive where the RCA server is installed	C:

CSDB Files and Domains

When you install the Configuration Server, LICENSE and PRIMARY are the only two files available. As you use RCA, your CSDB may change.

- The LICENSE File is read-only and used for Configuration Server processing. This file is for internal use and should not be modified.
- The PRIMARY File is where you will find most information regarding software management. Within the PRIMARY File, there are eight default domains and four optional domains. This guide describes the eight default installation domains:
- Use the ADMIN Domain to define administrative rights and rules for connecting classes.
- Use the AUDIT domain to configure tasks that will inventory, or audit, agent computers' assets. See the *Radia Client Automation Enterprise Inventory Manager Reference Guide* for more information.
- Use the CLIENT Domain to configure Client Operations Profiles, including setting access points for application data. For more information, see the *Radia Client Automation Enterprise User Guide*.

- Use the PRDMAINT Domain to store packages for self-maintenance. See the *Radia Client Automation Enterprise Application Manager and Application Self-Service Manager Reference Guide* for more information.
- Use the PATCH Domain to store the list of available patches within a PATCH CLASS. See the *Radia Client Automation Enterprise Administrator User Guide* for more information.
- Use the POLICY Domain to create users and groups, and to assign users to groups. For more information, see *Radia Client Automation Enterprise Administrator User Guide*.
- The SOFTWARE Domain contains information about the software being managed and the methods used to deploy the software.
- The SYSTEM Domain contains administrative and process control definitions.
- Use the SECURITY Domain to configure the services used to collect and manage vulnerability, SCAP, and Security Tools information from devices in your environment.
- Use the SETTINGS Domain to create, modify, and delete settings profiles. Settings profiles allow you to create groups of configuration settings for software installed on the managed devices in your environment.

Additional Domains

Additional domains may be added to the database depending on which products you install. These include:

- MACHINE (see the *Radia Client Automation Enterprise OS Management Reference Guide*)
- OS, OSKICK, and OSYAST (see the *Radia Client Automation Enterprise OS Management Reference Guide*)
- PATCHMGR (see the *Radia Client Automation Enterprise Patch Management Reference Guide*)
- USAGE (see the *Radia Client Automation Enterprise Application Usage Manager Reference Guide*)
- APPMGMT (see the *Radia Client Automation Enterprise Application Management Profiles User Guide*)

See the *RCA product documentation* for more information about these domains and their classes and attributes.

Additional Files

The NOTIFY File contains information about attempts by the Notify function to update, remove or e-mail subscribers. This file appears after the first attempted Notify.

Class Attributes

Within each of these domains, you will find classes that divide the files into functional categories. Class attributes can be one of four types as described in "Class Attributes" above below

Class Attribute Types and their Functions

Attribute Type Icon	Usage
Expression	Contains a single line REXX command that is executed during resolution. In an attribute named ZSTOP, causes resolution of the current instance to terminate, if the expression evaluates to "true".
Variable	A piece of named storage containing a variable value. The variable's value forms a part of the client's resolved desired state, and can influence the resolution process through messaging or symbolic substitution.
Connection (available) Connection (set) **Note:** The letter in the icon denotes the connection type: A – Always C – Class I – Includes R – Requires	Class connections determine the path of resolution of an agent's desired state during the agent connection process. Available connections are attributes into which a connection to another class may be set. Set connections are attributes containing a specification for a connection to another class. A class connection is, in effect, a branch in the resolution process. Refer to the *Radia Client Automation Enterprise Administrator User Guide* for more information. • An *Alwaysconnection* is always resolved, no matter what the name of its attribute. • A *Class connection* is resolved if its attribute's name is _ALWAYS_, or if the name of its attribute matches the current value of the system message. • An *Includesconnection* is always resolved, no matter what the name of its attribute. • A *Requiresconnection* blocks resolution of instances in the required instance and its children, whose instance names are identical to instance names in the requiring instance and its children. *Requires* and *Includes* connection types are useful, among other uses, for expressing inter-package relationships, connecting instances of the PACKAGE Class. When one package *Requires* another, components of the required package are superceded by the same component in the requiring package. When one package *Includes* another, both are deployed as a single entity.
Method	Methods are programs executed as part of the resolution process. The method attribute identifies the program to be executed.

How to Read the Class Reference Tables

The *Radia Client Automation Enterprise Administrator User Guide* describes the attributes of the classes in the default domains in the PRIMARY File. Also included is an explanation of the different components of the class reference tables.

The first page of each class provides a brief overview. It identifies the file and domain that contain the class, the class name and icon, a description of the class including an explanation of what instances of the class are used for, and a list of permitted class connections for the class. The attributes in each class are listed alphabetically in table format.

Class attribute reference table columns

Column	Description
Attribute Name	Lists the class attributes. Attributes are not alphabetized; they appear in the order that you will find them in the CSDB Editor.
Explanation	Defines the attribute. Here you will find a more detailed description of the attribute. Where necessary, the column includes information on how and why this attribute is used.
Value of Base Instance	The default value of the base instance.
Length	The total number of characters allowed for the attribute.
Type	A code indicating the attribute type, as follows: C: Class connection M: Method V: Variable E: Expression I: Included R Required A Always

Chapter 2

The ADMIN Domain

Use the ADMIN Domain to define administrative rights and rules for connecting classes. For more information, see the Persistent support web site and*Radia Client Automation Enterprise Administrator User Guide*. To read the class reference tables, see the section "How to Read the Class Reference Tables" on page 16.

Administrator IDs (ADMINID) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ADMINID
Icon:	
Description:	The ADMINID Class contains one instance for each authorized administrator. Each instance connects to one instance of the ZADMIN Class.
Can connect to:	ZADMIN

ADMINID Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**ZADMIN Connect to** Used to connect the ADMINID instance to the ZADMIN instance. &ZADMFUNC must be passed as the message to the ZADMIN Class.		50 C
ADMDPT1 to ADMDPT5	**Department Prefix** Used to restrict access to policy-related class instances by the departments or workgroups assigned to an administrator. Used to control the DEPT, LAN, and PKGR types of administrators.	_NULL_	20 V
ADMNAME	**Administrator Name**		25 V
ADMPFX1to ADMPFX10	**Application Prefix** Used to restrict access to application-related class instances by the application prefixes assigned to an administrator.	_NULL_	20 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	Used to control the DEPT, LAN, and PKGR types of administrators.		

Administrator Types (ZADMIN) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZADMIN
Icon:	
Description:	The ZADMIN Class describes the different administrator types. Instances of the ZADMIN Class define what files, domains, classes, and instances can be accessed and changed by each type of RCA administrator. Also, class instance connection rules, as articulated by instances of the ZLIST Class, can be specified for each instance of the ZADMIN Class.
Can connect to:	ZCONNECT, ZLIST, ZLIST32, ZVERC, ZVERD, ZVERF, ZVERFDCI, ZVERI

ZADMIN Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
CONNECT	**Class Connection Rules** Connect this field to the appropriate ZLIST or ZCONNECT Class instance. It defines the class connection rules you want an RCA administrator to have access to.		50 C
DELOBJ	**Delete Object**		50 C
GETINFO	**Get Control Information for Classes**		50 C
LISTCLAS	**List Domain Classes** Connect this field to the ZLIST Class instance. It defines the access an RCA administrator will have to classes.		50 C
LISTDOMN	**List File Domains** Connect this field to the ZLIST Class instance. It defines the level of access you want an RCA administrator to have.		50 C
LISTFILE	**List Files**		50 C

Attribute Name	Explanation	Value of Base Instance	Length Type
	Connect this field to the ZLIST32 Class instance. It defines the access you want a RCA administrator to have.		
LISTINST	**List Class Instances** Connect this field to the appropriate ZLIST Class instance. It defines filters for RCA files.		50 C
MASKCLAS	**List Class Masks** Connect this field to the ZLIST Class instance. It defines the access a RCA administrator will have to classes.		50 C
MASKDOMN	**List Domain Masks**		50
MASKFILE	**List File Masks** Connect this field to the ZLIST32 Class instance. It defines filters for RCA files		50 C
MASKINST	**List Instance Masks**		50 C
VEROBJ	**List Discrete Instances**		50 C

Attribute Verify (ZVERA) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZVERA
Icon:	
Description:	Instances of the ZVERA Class can be used to group instances of the ZLIST Class that define attribute access in your administrator schema.

ZVERA Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ADD	**Add Filter**		50 C
DELETE	**Delete Filter**		50 C
DRAGDROP	**Drag Drop Filter**		50 C
EXECUTE	**Execute Filter**		50 C
LIST	**List Filter**		50 C

Attribute Name	Explanation	Value of Base Instance	Length Type
MASK	**Mask Filter**		50 C
UPDATE	**Update Filter**		50 C

Class Verify (ZVERC) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZVERC
Icon:	
Description:	Instances of the ZVERC Class can be used to group instances of the ZLIST Class that define class access in your administrator schema.
Can connect to:	ZLIST

ZVERC Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ADD	**Add Filter**		50 C
DELETE	**Delete Filter**		50 C
DRAGDROP	**Drag Drop Filter**		50 C
EXECUTE	**Execute Filter**		50 C
LIST	**List Filter**		50 C
MASK	**Mask Filter**		50 C
QUERY	**Query Filter**		50 C
UPDATE	**Update Filter**		50 C

Connection Rules (ZCONNECT) Class

File	PRIMARY
Domain:	ADMIN
Class:	ZCONNECT

File	PRIMARY
Icon:	
Description:	The ZCONNECT Class lists the rules for what can be connected to other classes.
Can connect to:	ZLIST

ZCONNECT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ADMINID	**ADMINID Connect List** This connection field allows you to connect a ADMINID Class instance to instances of the ZLIST Class.		50 C
BEHAVIOR	**BEHAVIOR Connect List** This connection field allows you to connect a BEHAVIOR Class instance to instances of the ZLIST Class.		50 C
CONUSEID	**CONUSEID Connect List** This connection field allows you to connect a CONUSEID Class instance to instances of the ZLIST Class.		50 C
DEPT	**DEPT Connect List** An alphanumeric name that connects the DEPT defined in this class. This connection field allows you to connect a DEPT Class instance to instances of the ZLIST Class.		50 C
DESKTOP	**DESKTOP Connect List** This connection field allows you to connect a DESKTOP Class instance to instances of the ZLIST Class.		50 C
DIALOG	**DIALOG Connect List** This connection field allows you to connect a DIALOG Class instance to instances of the ZLIST Class		50 C
DRIVEMAP	**DRIVEMAP Connect List**		50 C
FILE	**FILE Connect List** This connection field allows you to connect a FILE Class instance to instances of the ZLIST Class.		50 C
LDS	**LDS Connect List**		50 C
LME	**LME Connect List**		50 C
LOCATION	**Location Connect List** This connection field allows you to connect a LOCATION		50 C

Attribute Name	Explanation	Value of Base Instance	Length Type
	Class instance to instances of the ZLIST Class.		
MANUFACT	**MANUFACT Connect List**		50 C
METACLAS	**METACLAS Connect List** This connection field allows you to connect a METACLAS Class instance to instances of the ZLIST Class.		50 C
MODEL	**Model Connect List**		50 C
PACKAGE	**PACKAGE Connect List** This connection field allows you to connect a PACKAGE Class instance to instances of the ZLIST Class.		50 C
PANEL	**PANEL Connect List** This connection field allows you to connect a PANEL Class instance to instances of the ZLIST Class.		50 C
PRDMAINT	**PRDMAINT Connect List** This connection field allows you to connect a PRDMAINT Class instance to instances of the ZLIST Class.		
REGISTRY	**REGISTRY Connect List** This connection field allows you to connect a REGISTRY Class instance to instances of the ZLIST Class.		50 C
ROLE	ROLE Connect List		50 C
SCANNER	**SCANNER Connect List** This connection field allows you to connect a SCANNER Class instance to instances of the ZLIST Class.		50 C
SUBNET	**SUBNET Connect List**		50 C
UNIXFILE	**UNIX File Connect List** This connection field allows you to connect a UNIX FILE Class instance to instances of the ZLIST Class.		50 C
USER	**USER Connect List** This connection field allows you to connect a USER Class instance to instances of the ZLIST Class. An alphanumeric name defining a new USER instance.		50 C
WMI	**WMI Connect List** This connection field allows you to connect a WMI Class instance to instances of the ZLIST Class		50 C
WORKGRP	**WORKGRP Connect List** This connection field allows you to connect a WORKGRP		50 C

Attribute Name	Explanation	Value of Base Instance	Length Type
	Class instance to instances of the ZLIST Class. An alphanumeric name defining a new WORKGRP instance.		
ZADMIN	**ZADMIN Connect List** This connection field allows you to connect an Administrator Class instance to instances of the ZLIST Class. An alphanumeric name defining a new ZADMIN instance.		50 C
ZCONNECT	**ZCONNECT Connect List** This connection field allows you to connect a ZCONNECT Class instance to instances of the ZLIST Class. An alphanumeric name defining a new ZCONNECT instance.		50 C
ZSERVICE	**ZSERVICE Connect List** This connection field allows you to connect a ZSERVICE Class instance to instances of the ZLIST Class. An alphanumeric name defining a new ZSERVICE instance.		50 C
ZVERC	**ZVERC Connect List** This connection field allows you to connect a ZVERC Class instance to instances of the ZLIST Class. An alphanumeric name defining a new ZVERC instance.		50 C
ZVERD	**ZVERD Connect List** This connection field allows you to connect a ZVERD Class instance to instances of the ZLIST Class. An alphanumeric name defining a new ZVERD instance.		50 C
ZVERF	**ZVERF Connect List** This connection field allows you to connect a ZVERF Class instance to instances of the ZLIST Class. An alphanumeric name defining a new ZVERF instance.		50 C
ZVERFDCI	**ZVERFDCI Connect List** This connection field allows you to connect a ZVERFDCI Class instance to instances of the ZLIST Class. An alphanumeric name defining a new ZVERFDCI instance.		50 C
ZVERI	**ZVERI Connect List** This connection field allows you to connect a ZVERFDCI Class instance to instances of the ZLIST Class. An alphanumeric name defining a new ZVERI.		50 C

Console Privileges (ZCONUSER) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZCONUSER
Icon:	
Description:	Reserved for future use.

ZCONUSER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ ALWAYS_ class connection is always resolved.		50 C

Console User IDs (CONUSEID) Class

File:	PRIMARY
Domain:	ADMIN
Class:	CONUSEID
Icon:	
Description:	Reserved for future use.
Can connect to:	ZCONUSER

CONUSEID Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
_ ALWAYS_ _	**ZCONUSER Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C

Attribute Name	Explanation	Value of Base Instance	Length Type
CONNAME	**Console User Name**		25 V

Domain Verify (ZVERD) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZVERD
Icon:	
Description:	Instances of the ZVERD Class can be used to group instances of the ZLIST Class that define domain access in your administrator schema.
Can connect to:	ZLIST

ZVERD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ADD	**Add Filter**		50 C
DELETE	**Delete Filter**		50 C
DRAGDROP	**Drag Drop Filter**		50 C
EXECUTE	**Execute Filter**		50 C
LIST	**List Filter**		50 C
LIST	**Filtering Method**		50 M
MASK	**Mask Filter**		50 C
UPDATE	**Update Filter**		50 C

File Verify (ZVERF) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZVERF

File:	PRIMARY
Icon:	
Description:	Instances of the ZVERF Class can be used to group instances of the ZLIST Class that define file access in your administrator schema.
Can connect to:	ZLIST32

ZVERF Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ADD	**Add Filter**		50 C
DELETE	**Delete Filter**		50 C
DRAGDROP	**Drag Drop Filter**		50 C
EXECUTE	**Execute Filter**		50 C
LIST	**List Filter**		50 C
MASK	**Mask Filter**		50 C
UPDATE	**Update Filter**		50 C

Function Verify (ZVERFDCI) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZVERFDCI
Icon:	
Description:	Instances of the ZVERFDCI Class can be used to group instances of the ZLIST Class that define function access in your administrator schema.
Can connect to:	ZLIST, ZLIST32, ZVERC, ZVERD, ZVERF, ZVERI

ZVERFDCI Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
A	**<A>**		50 C
A	**<A>**		50 M

Attribute Name	Explanation	Value of Base Instance	Length Type
C	**Class Verify**		50 C
C	**Class Ver Method**		50 M
D	**Domain Verify**		50 M
D	**Domain Ver Verify**		50 M
F	**File Verify**	ZVERFDCI.LIMITED	50 C
F	**File Ver Method**		50 M
I	**Instance Verify**		50 C
I	**Instance Ver Method**		50 M

Instance Verify (ZVERI) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZVERI
Icon:	
Description:	Instances of the ZVERI Class can be used to group instances of the ZLIST Class that define instance access in your administrator schema.
Can connect to:	ZLIST32

ZVERI Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ADD	**Add Filter**		50 C
DELETE	**Delete Filter**		50 C
DRAGDROP	**Drag Drop Filter**		50 C
EXECUTE	**Execute Filter**		50 C
LIST	**List Filter**		50 C
LIST	**Filtering Method**		50 M
MASK	**Mask Filter**		50 C
QUERY	**Query Filter**		50 C
UPDATE	**Update Filter**		50 C

Name Lists (8) (ZLIST) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZLIST
Icon:	
Description: Name Lists (8) (ZLIST) Class	The ZLIST Class allows you to specify access to eight-character files and class instances. The instances of the ZLIST Class specify access to VM domains and classes, and articulate class connection rules. An instance of this class relates the files, domains, classes, and instances to the rules that govern their manipulation by an RCA administrator.

ZLIST Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZNAME01 to ZNAME20	**Name** Allows you to enter access controls for RCA domains and classes. You can use a wildcard character to specify access to all domains, or limit access by entering one or more valid eight-character domain names.		8 V

Name Lists (32) (ZLIST32) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZLIST32
Icon:	
Description:	The ZLIST32 Class allows you to specify access to 32-character files and class instances. You can also create instances of the ZLIST32 Class to predefine filters for class instances.

ZLIST32 Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZNAME001 to ZNAME020	**Instance Name** Allows you to enter access controls for RCA files and class instances. You can use a wildcard character or limit access by entering one or more valid 32-character file or class instance names.		32 V

Chapter 3

The AUDIT Domain

Use the AUDIT Domain to configure tasks that will inventory or audit agent computers' assets. Refer to the *Radia Client Automation Enterprise Inventory Manager Reference Guide*for additional information. To read the class reference tables, see the section "How to Read the Class Reference Tables" on page 16

Application (ZSERVICE) Class

File:	PRIMARY
Domain:	AUDIT
Class:	ZSERVICE
Icon:	
Description:	These are sample services distributed with the Radia Client Automation Inventory Manager (Inventory Manager). The AUDIT.ZSERVICE instance is connected to a policy instance. A policy instance can be an instance of the Users, Departments, or Workgroups class. It can also be a customer-defined class within the POLICY Domain. Each of the sample ZSERVICE Classes is connected to the PACKAGE instances.
Can connect to:	PACKAGE, FILE, BEHAVIOR, DIALOG, DEPT, WORKGRP, TIMER, VGROUP, STAGER, HTTP, EXECUTE, ZSERVICE, PDACONFG

ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Contains** Class connections determine the path of resolution of an agent's desired state. An _ ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Contains** An _ALWAYS_ class connection is always resolved. An Includes connection is used to express inter-package relationships.	AUDIT.RIMOPTS . DIFF_INSTALL _ UPDATE	50 I
ALWAYS	**Contains** An _ALWAYS_ class connection is	AUDIT.PACKAGE .AUDIT	50 I

Attribute Name	Explanation	Value of Base Instance	Length Type
	always resolved. An Includes connection is used to express inter-package relationships.	_EXECUTE _ BEHAVIOR	
ALWAYS	**Utility Resolution Method** Any method you specify for this attribute is unconditionally executed by RCA when this instance is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_ HIST.		51 M
ADAPTIVE	**Auto Adaptability [Y/N]** Indicates whether the installed package is dependent on client settings that must be monitored periodically. If the settings change, the client must reconnect to the Configuration Server to get new or different components. Useful for "plug and play" services.		1 V
AUTHOR	**Author Name** Name of the author of the service that appears in the properties for the service in the Service List.		50 V
BDELETE	**Service Pre-Delete Method** Method to run before deleting the service.		100 M
BUPDATE	**Service Pre-Update Method** Method to run before updating the service.		100 M
BREPAIR	**Service Pre-Repair Method** Method to run before repairing the service.		100 M
CACHE	**App Element Caching [Y/N]**		1 V
CACHELIM	**Percent Disk Limit for Cache** Cache limit, which is defined as the percentage of used drive space. Type a number between 000 and 100. **Note:** Used for Windows Installer applications only. If the percentage of used space is greater than the cache limit, then all of the cached files for the product are removed and the cache folder is deleted. This is checked after every file is cached on the disk.	000	3V

Attribute Name	Explanation	Value of Base Instance	Length Type
CACHELOC	**CACHE Location on Client** For Windows Installer applications only. Location of the folder on the agent computer that is used to cache the compressed application files needed for the product. CM support for Windows Installer tags the PRODGUID value to this value to create the folder. For example, if `CACHELOC=C:\progra~1\HP` and `PRODGUID = 12345_XXXX` the cache folder would be: `c:\progra~1\HP\12345_XXXX\cache` **Note:** The folder name `\cache` is automatically appended to PRODGUID. If you are not deploying a Windows Installer-enabled application, the files will be cached in IDMDATA. _UNDEF_		254 V
CATGROUP	**Catalog Group Name** Type a name for the catalog that will be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		30 V
COMPSIZE	**Application Size – Compressed** The size of the compressed application displayed to the subscribers when they click **Properties** in the Application Self-Service Manager user interface. Cumulative value of the COMPSIZE defined in the PACKAGE Class.		12 V
DELDATE	**Delete Date** Indicates when the application was removed (in local time) from the agent computer. The Agent manages and		32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	maintains this attribute.		
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the Long Description field in the New Application Wizard (used to create a service).		255 V
ERTYPE	**Event Reporting Method [O/E/X]** Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server. Currently supports object format only	o	1 V
EVENTS	**Events to Report** Indicates which events to report on.	AI=B AD=B AU=B AR=B AV=F VA=B VD=B	50 V
INSTDATE	**Installed Date** Indicates when the application was installed (in local time) on the agent computer. The Agent manages and maintains this attribute. The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
ITEMS	**Number of Component Instances**		7 V
LREPAIR	**Local Repair [Y/N]** Enables local repair of broken applications. If an application is broken because of missing files, the files (stored locally) can be used to repair the application.		1 V
MCELIGBL	**Service Multicast Eligible [Y/N]** Indicates if the application is eligible for multi-casting.	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name** Friendly name for the service. This appears in the properties for the service in the Service List.		80 V
OWNER	**Application Contact** Package owner, as documented by the Admin Publisher.		80 V
PRICE	**Price** Type the price of an application that will be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		10 V
PUBDATE	**Published Date of Service** Date service was published.		32 V
REBOOT	**Install/Update/Delete/Version Change** Used to restart the agent computer after the service is installed. **Blank** = Restart only if a file being deployed is already in use by an application on the agent computer. **INSTALL,DELETE** = Restart if an application is installed or deleted, or if a file being deployed is already in use. **VERSION CHANGE** = Restart if an application is changing versions, or if a file being deployed is already in use. **UPDATE** = Restart if an application is updated or repaired during the agent connect process, or if a file being deployed is already in use.		64 V
RECONFIG	**Reconfiguration Enabled [Y/N]** Indicates whether an application can be relocated after it has been installed.		1 V
REMOVAL	**Un-Managed Behavior [A/D/U]** Controls removal of the service. If **ZVCMO** is set to **M**, set **REMOVAL** to:	D	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	A = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) If **ZVCMO** is set to **O**, set **REMOVAL** to: **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **U** = Unmanage (does not delete the objects or components		
RSTRSIZE	**Download Restart Threshold** **(in bytes)**	0	11 V
RUNDLG	**Dialog Processing [Y/N]** Specifies whether to enable processing of dialog boxes during the installation of the service.	N	1 V
SCHEDOK	**Update Schedule Locally [Y/N]** Specifies whether the subscribers are allowed to change the update schedule for the service locally. **Y** = Subscriber is allowed to change the schedule. **N** = Configuration Server controls the update schedule.		1 V
SIZE	**Application Size – Uncompressed** The size of the uncompressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface.		12 V
UIOPTION	**Progress Indicator [NONE/FULL/INFO]** Controls whether the status window appears. **NONE** = No interface appears. **FULL** = Interface appears and Cancel		4 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	button is available. **INFO** = Interface appears with no option to cancel.		
UIOPTMSI	**MSI Progress Indicator [NONE/FULL/INFO]** Controls whether the MSI status window appears. **NONE** = No interface appears. **FULL** = Displays what is happening on the agent computer and provides the subscriber with controls to make changes. **INFO** = Displays what is happening on the agent computer, but disables all the controls so that the subscriber cannot make any changes. See the Setup log files and Event Viewer for warnings, errors, successes, failures, and other details.		
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		12 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the RCA user after the dialogs have been installed. This date can be used for reporting purposes. The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
URL	**WEB URL Name** Address of a Web page where the subscriber can find additional information about the service.		255 V
VENDOR	**Vendor Name** Name of the vendor of the service.		24 V
VERDATE	**Verified Date of Service** Indicates when the application was last verified (in local time) on the agent		12 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	computer. The Agent manages and maintains this attribute.		
VERSION	**Version Description**		255 V
ZAVIS	**Available, Verified, Installed, Sync F** The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: **Available** indicates whether a service is available from the Configuration Server. **Verified** indicates whether a service has been verified. **Installed** indicates whether the service has been installed. **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.	YXNX	4 V
ZBITARCH	**Target Bit Architecture [/32/64]** Set to 32 to deploy to 32-bit architectures. Set to 64 to deploy to 64-bit architectures. Set to blank to deploy to all architectures.		8 V
ZCONTEXT	**Component Context [M/U]**		1 V
ZCREATE	**Service Installation Method** RCA-supplied method or fully qualified, user-defined method.		100 M
ZDELETE	**Service Delete Method** RCA-supplied method or fully qualified, user-defined method.		100 M

Attribute Name	Explanation	Value of Base Instance	Length Type
ZDISCONN	**Disconnect on Install [Y/N]** Allows the client to disconnect from the Configuration Server if there is an open session with it. **Y** = Disconnects the client from the Configuration Server. **N** = Does not disconnect from the client from the Configuration Server.	Y	1 V
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		100 M
ZREPAIR	**Service Repair Method**		100 M
ZSTOP000 to ZSTOP002	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZSTOP999	**Stop Unless Radia Connect**	"\(UPPER(EDMGETV (ZMASTER, ZDOMNAME))='AUDIT')"	50 E
ZSVCCAT	**Service Visible in Catalog? [Y/N]**		1 V
ZSVCCSTA	**Service Status on Client (999)** Service status code. **000** = All actions for service completed. **008** = At least one resource had a writer error. **014** = No disk space for at least one resource. **015** = ZDLIMIT exceeded for at least one resource. **024** = A method timed out.	999	3 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	036 = A create method set ZBRC>7. **900** = Not all files were verified. No work done for service.		
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager and Application Self-service Manager, you could also specify mandatory and then optional, **MO**, or optional then mandatory, **OM**. The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.	M	1 V
ZSVCMODE	**Application Context [M/U/MU/EMU]** Specifies whether the service is to be installed in the Machine or User context. **M** = Machine **U** = User **MU** = Both machine and user components. Verify that the machine components have been installed before installing the user components. **EMU** = Enhanced machine and user components.		2 V
ZSVCNAME	**Service Name/Description** For example, VB Calculator.	Unknown Service	24 V
ZSVCPRI	**Service Create Ordering [01-99]** Enables you to specify a priority level for this service. If disk space on the client desktop is not available, services will be downloaded based on the priority level set here. **01** = Highest priority **10** = Default value		2 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	99 = Lowest priority		
ZSVCRASH	**Verify Attributes [Y/F/D/N]** The Agent will check permissions on files and/or directories when ZSVCRASH is set. Valid values are: **Y** – verify files and directories **F** – verify files only **D** – verify directories only **N** – do not verify permissions		1 V
ZSVCTTYP	**Application Target Type [A/S]** Indicates which Client Automation agent will receive this application. **A** = Application Manager **S** = Application Self-Service Manager	Y	2 V
ZSYSACCT	**Install Under System Account [Y/N/M]** Specifies whether to install the service under the system account or the user's account. **Y** = The application is installed using the system rights. **N** = The application is installed using the rights of the user who is logged on. **M** = The application is installed using the system rights if the current connect is in the machine context (context =m).	Y	1 V
ZUPDATE	**Service Update Method** RCA-supplied method or fully qualified, user-defined method.		100 M
ZVERIFY	**Service Verify Method**		100 M

Audit Packages (PACKAGE) Class

File:	PRIMARY
Domain:	AUDIT
Class:	PACKAGE
Icon:	
Description:	Defines what information to collect, and then what actions to take. These packages would contain various audit components. A good example is an audit of running services on a desktop. The AUDIT.ZSERVICE instance must contain a connection to an AUDIT.PACKAGE instance.
Can connect to:	DESKTOP, FILE, PATH, MSIFEATS, MSI, PACKAGE, PDACONFG, REGISTRY

PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Package Includes** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BEHAVIOR	**Behavior** Includes connection to BEHAVIOR Class instances.		255 I
COMPSIZE	**Package Compressed Resource Size** Compressed size of package (in bytes).		12 V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the Long Description field in the New Application Wizard (used to create a service).		255 V
DESKTOP	**Desktop** Includes connection to DESKTOP Class instances.		255 I
FILE	**File**		255

Attribute Name	Explanation	Value of Base Instance	Length Type
	Includes connection to FILE Class instances.		I
INCLUDES	**Package Includes** Generic Includes connection.		50 I
ITEMS	**Number of Component Instances** Number of component instances in a package at time of publishing.		7 V
NAME	**Friendly Name**		80 V
OWNER	**Application Contact** Package owner, as documented by the Admin Publisher.		80 V
PATH	**Path** Includes connection to PATH Class instances.		255 I
PKGNAME	**Package Name**		80 V
REGISTRY	**Registry** Includes connection to REGISTRY Class instances.		255 I
RELEASE	**Package Release** Release level of the package, as documented by the Admin Publisher.		80 V
REQUIRES	**Required Package Level** Generic Requires connection.		80 C
SIZE	**Package Resource Size** Size of package (in bytes).		12 V
UNIXFILE	**UNIX File** Includes connection to UNIXFILE Class instances.		255 I
ZBITARCH	**Target Bit Architecture [/32/64]** • Set to 32 to deploy to 32-bit architectures. • Set to 64 to deploy to 64-bit architectures. • Set to blank to deploy to all architecture.		8 V
ZSTOP000	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause		255 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		
ZSTOP001to ZSTOP003	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

Behavior Services (BEHAVIOR) Class

File:	PRIMARY
Domain:	AUDIT
Class:	BEHAVIOR
Icon:	
Description:	Defines instances that enable the execution of auditing on the client. Normally, there is no need to add or modify instances in this class.
Can connect to:	PACKAGE

BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
LOCATION	**Location**		255 V

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name** Name that appears in the CSDB Editor for this class.		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – for future use.	_UNDEF_	32 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Behavior** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Behavior** RCA-supplied method or fully qualified, user-defined method.	EDMREMF	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.	EDMLKM	50 M
ZRSCCFIL	**Behavior File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint** Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	N	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was		8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	selected. Eight-character calculated hexadecimal value.		
ZRSCCSTA	**Client File Status** Resource status code. **000** = Successfully downloaded **001** = Data can be found in EDMDATA directory **004** = Resource with no data **008** = Could not create the file **009** = No disk space for file (ZRSCMO=O) **010** = ZDLIMIT was exceeded (ZRSCMO=O) **011** = No data in RCA for resource **014** = No disk space (ZRSCMO=M) **015** = ZDLIMIT was exceeded (ZRSCMO=M) **024** = Time-out waiting for method. **036** = A method was set ZBRC>7 **999** = No work done for resource	999	3 V
ZRSCDATE	**Behavior Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMDAT	**Mgr. Stores Data [Y/N]**	Y	1 V
ZRSCMMEM	**PDS Member Name** PDS where resource actually resides. PDS name where resource resides in Configuration Server (MVS only).		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Behavior Name** Name or description of resource. Valid name of resource to distribute to the Agent.	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name**		8

Attribute Name	Explanation	Value of Base Instance	Length Type
	The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE.		V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	10	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]** Enables you to specify file attributes for a resource. **Read-only** **Archive** **System** **Hidden.**		4 V
ZRSCRSTR	**Restart [Y/N]** You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	**Behavior Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source** that is Publisher		20 V
ZRSCSRC	**Resource Source**		1 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]** File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Enables you to skip the reactivation of version resources if the version is already active. **Y** = Skip the rebuilding of version resources **N** = Rebuild version resources	Y	1 V
ZRSCTIME	**Behavior Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12

Attribute Name	Explanation	Value of Base Instance	Length Type
			V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both RCA - and non-RCA distributed files. (For example, a RCA - managed application file or CONFIG.SYS file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop.	Y	1 V
	M = Reserved for RCA maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used t o update `EDMGETRS.EXE`. **S** = This file is distributed if the file size has changed. **T** = The file is distributed if the file time has changed. **D** = File is distributed if the file date has changed. **L** = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U** = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date		

Attribute Name	Explanation	Value of Base Instance	Length Type
	and time on the desktop. **R** = Resource Stamp. For internal use only. **V** = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that RCA has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.		
	P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, RCA checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTOP	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZUPDATE	**Client Instance Update Method** If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M
ZRUSERID	**Admin ID**		30 V

Client Methods (CMETHOD) Class

File:	PRIMARY
Domain:	AUDIT

File:	PRIMARY
Class:	CMETHOD
Icon:	
Description:	This class is used to configure method points for Tcl inventory scans. The base instance of the SCANNER Class is connected to the CMETHOD.INV_FULL instance. This instance can be used for all inventory scans defined in the SCANNER Class.
Can connect to:	RESEARCH

CMETHOD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
_ ALWAYS_	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
NAME	**Friendly Name**	Defaults	80 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.	Hide nvdkit method	50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZREPAIR	**Client Instance Repair Method**	Hide nvdkit method	50 M
ZSTOP	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZUPDATE	**Client Instance Update Method** Hide nvdkit method	Hide nvdkit	50 M

Attribute Name	Explanation	Value of Base Instance	Length Type
		method	
ZVERIFY	**Client Instance Verify Method** Hide nvdkit method	Hide nvdkit method	50 M

Desktop (DESKTOP) Class

File:	PRIMARY
Domain:	AUDIT
Class:	DESKTOP
Icon:	
Description:	This class is reserved for future use.
Can connect to:	CATALOG, ZSERVICE

DESKTOP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
JITARGS	**Application Manager Arguments** Stores the arguments to be passed to the just-in-time executable.		255 V
JITLNK	**Application Manager Installation [Y/N]**		1 V
JITPATH	**Application Manager Path** Stores the fully qualified name of the just-in-time executable. Should be a fully qualified path name with the drive and directory. If the directory name contains embedded spaces then the whole value should be in double quotes, e.g., "c:\program files\HP\test.exe".		255 V
MACHUSER	**Machine User**		32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name**		80 V
VERIFY	**Verify [Y/E/N]**		1 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Create Link** RCA-supplied method or fully qualified, user-defined method.	RADCLNK	50 M
ZDELETE	**Method to Delete Link** RCA-supplied method or fully qualified, user-defined method. RADDLNK		50 M
ZINSTALL	**Method CLNK Processing [Y/N]** Stores if the links/icons have to be installed.		1 V
ZOBJPRI	**Priority [00-99]**	60	2 V
ZPUBVER	**Publisher Version**	_UNDEF_	8 V
ZRSCLFIL	**Link Path** Stores the fully qualified name for the link. The links are usually created in the Windows folder, which might appear in different drives for different users. The Windows system directory is usually stored in the ZMASTER object in ZWINDRV and ZWINDIR variables. A special variable, $NTUSER$, can be used to distinguish between different user directories. This variable is interpreted by the EDMCLNK. Create method to store the value of the current user.		255 V
ZRSCMO	**Mandatory/Optional**	O	1 V
ZSTATUS	**Client Status**	999	3 V
ZSTOP	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZW95ARGS	**Command Line Parameters** Stores the arguments to be passed to the executable specified in the ZW95PATH field.		255 V
ZW95DESC	**Icon Description** A brief description for the icon/link.		60 V
ZW95HOTK	**Hot Key Assigned by MS Windows**		12 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZW95ICON	**Icon File**		128 V
ZW95INDX	**Index of Icon**		60 V
ZW95PATH	**Command Line** Stores the name of the executable associated with this icon/link.		128 V
ZW95SHOC	**Visibility Flag [00000000/00000001]00000001**		8 V
ZW95WDIR	**Working Directory** Stores the starting directory for the program associated with the icon or link. Should be a fully qualified path name with the drive and directory. If the directory name contains embedded spaces then the whole value should be in double quotes, e.g., "c:\program files\HP".		120 V

File (FILE) Class

File:	PRIMARY
Domain:	AUDIT
Class:	FILE
Icon:	
Description:	Defines file scans, such as auditing system DLLs.

FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Lengt-h Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ACTION	**Report Flags [I,N,C,D,S,D,C]** RIMDIFF method performs actions on the files discovered on the user's computer during the agent connect. **Y** configures RIMDIFF to perform the action.	YYYYNNN	7 V

Attribute Name	Explanation	Value of Base Instance	Lengt-h Type
	N configures RIMDIFF to not perform the action. The first four flags determine when to report that the files were found: Report on: **Initial, New, Changed, Deleted** **Initial** means that the file was found during the first scan of the agent computer. **New** means that the file was found during the current scan. The file was not present during the previous scan. **Changed** means that the file was present during the previous scan and is different from the file found during the current scan. **Deleted** means that the file was found during the previous scan. The file is not present for the current scan.		
	The last three flags control the actions to take on the files detected during the current scan. Action to take on discovery: Send, Delete, Custom **Send** means to send the files to the Configuration Server and store them in the location indicated by the ZRSCVLOC attribute (see ZRSCVLOC in this table). **Delete** means to delete the files from the user's computer. **Custom** means to execute the method indicated in the CUSTOM attribute. YYYYNYN – Report whenever encountered and delete the files. NNYYNNN – Report when changed or deleted and take no action. NYYNYYN – Report when the files are new or changed. Then send and delete the files.		
GROUP	**Group Name for Audited Component** Optional way to identify a set of scan results. This maybe useful for querying and reporting on the audited files from the database where audit results can be stored.		50 V
INTERNAL	**Internal Name**		32 V
LANGUAGE	**Language**		16 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
ORGNAME	**Original File Name**		32 V

Attribute Name	Explanation	Value of Base Instance	Lengt-h Type
OUTPUT	**Output Object Name**	FILEAUDT	8 V
PRODUCT	**Product Name** For more details, see "ZVERINFO " on next page.		26 V
PRODVERS	**Version** For more details, see "ZVERINFO " on next page.		16 V
SCANFOR	**File Name or Pattern to Search for** Indicate a fully qualified path and file name to search for. Wildcard characters are permitted.	C:**.*	80 V
TYPE	**Scan Type [FILE]** Scan different file locations. Available scans are Behavior Services, Desktop, File, Path, Registry, and WBEM.	FILE	8 V
VENDOR	**Vendor**		32 V
VERSION	**Product Version**		16 V
ZCRCINFO	**Collect File CRC (Y/N)**		1 V
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCMFIL	**Manager Directory Location**		80 V
ZRSCMME-M	**PDS Member Name** This field is optional.		8 V
ZRSCOBJN	**Persistent Object Name**		8 V
ZRSCPADM	**Admin ID**		30 V
ZRSCSRC	**Resource Source, i.e. Publisher**		20 V
ZRSCSTYP	**Service File Type** Server file type. This can be either Binary or Text. The administrator does not set this.	BINARY	8 V
ZRSCVLOC	**Virtual Manager Location** The location on the Configuration Server where the files are stored because of the Send Action (see ACTION in this table). This variable needs to be configured when sending a file back to the Configuration Server. The	_BASE_ INSTANCE-_	32 V

Attribute Name	Explanation	Value of Base Instance	Lengt-h Type
	variable should contain the name of the MGRVLOC instance that will be used to resolve the location to store the uploaded file. systemdrive:\Data\&(ZOBJPID)\&(name)		
ZSTOP	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZVERINFO	**Collect Extended Info [1/0]** Collect extended information. Set value to 1 to collect additional information for a file. Set value to 0 to not collect additional information. In order for this data to be collected, the associated attribute must exist in the AUDIT.FILE Class template. You can limit the scan to only those files that have some particular values in their extended information. You do so by supplying a value (either 1 or 0) for any of the associated attributes in an AUDIT.FILE instance. This causes the scan to be filtered. Only those files whose extended information data element contains the value you specify in its associated attribute will be scanned. Extended file information consists of one ore more of the following data elements. The associated attribute name for the data element is in parentheses: **(VENDOR)** – Seller of the file/product. **(PRODUCT)** – Name of item for which the file is a part. **(PRODVERS)** – Version of product of which file is a part. **(ORGNAME)** – Name of the organization. **(INTERNAL)** – Internal data element encoded in the file. **(VERSION)** – Version of the file. **(LANGUAGE)** – Language of the file.	1	1 V
ZMD5INFO	**Collect MD5 [Y/N]**		1 V

File Scanner (FILESCAN) Class

File:	PRIMARY
Domain:	AUDIT
Class:	FILESCAN

File:	PRIMARY
Icon:	
Description:	Persistent component class used to configure an inventory scan. Adding File Scanner components to an audit package creates instances of the FILESCAN Class.

FILESCAN Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
_ ALWAYS_	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.	CMETHOD .FILESCAN	50 C
DIFF	**Difference [Y/N]** Specifies if differencing is to be done or not. If DIFF = Y, then the information from the scanned files will be compared with the information from the previous file scan.	Y	1 V
INCLUDES	**Includes Connection**		50 I
NAME	**Friendly Name**	Default	50 V
OUTPUT	**Output Object Prefix** Specifies the prefix to be used for the object names created. If OUTPUT=FILE, then FILEAUDIT, FILEPREV objects will be created on the agent computer.	FILE	4 V

File Scanner Filters (FILTER) Class

File:	PRIMARY
Domain	AUDIT
Class:	FILTER
Icon:	
Description:	Persistent component class used to configure an inventory scan. Adding FILE Scanner Filters components to an audit package creates instances of the FILTER Class.

FILTER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTION	**Report Flags [I,N,C,D,S,D,C]** **I** – Initial (Used for file auditing only [not currently supported]) **N** – New **C** – Changed **D** – Deleted **S** – Send (upload to Configuration Server) **D** – Delete (not currently supported) **C** – Custom (not currently supported	YYYYNNN	7 V
COMPRESS	**Compress [Y/N]**	N	1 V
DEPTH	**# Subdirectory Levels to Scan** Number of subdirectory levels to scan Values: -1root directory and all of its subdirectories 0root directory only 1root directory and its files >1root directory and its files down to the specified depth	-1	2 V
DIR	**Directory to Scan**		255 V
EXCLUDE	**Exclude Globe Pattern**		255 V
INCLUDE	**Include Globe Pattern**	*	255 V
NAME	**Friendly Name**	Filter for File Scanner	50 V
ZRSCVLOC	**RCS Directory Location** Name of an instance in the PRIMARY.AUDIT.MGRVLOC Class that defines the location to place the uploaded scanned files. Default is RADIA_UPLOAD.	RADIA_ UPLOAD	255 V

Inventory Options (RIMOPTS) Class

File:	PRIMARY
Domain:	AUDIT
Class:	RIMOPTS

File:	PRIMARY
Icon:	
Description:	Contains the attributes that offer options that control an inventory management task. For additional information, see the *Radia Client Automation Enterprise Inventory Manager Reference Guide*.

RIMOPTS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
COLLECT	**Audit Collection Type [Diff/Full]** Select Diff to report difference between the previous information collected for the service and the information collected during the current client audit. This is the default setting. Select Full to report the information collected for the service during the current agent connect process without differencing against the previous collection.	Diff	7 V
NAME	**Friendly Name** Name displayed for the instance in the tree view of the CSDB Editor.	Default	80 V
RUNEXEC	**Run Execute on [I,V,U]** Indicated what actions the Inventory Manager will take upon connection. **I** – invokes collection of information when the service is installed (default). **U** – invokes collection of information when the service is updated (default). **V** – invokes collection of information when the service is verified.	IU	10 V
ZSVCTYPE	**Service Type** Contains code that is used internally by the Inventory Manager agent. In all cases, this values should remain set to I.	I	1 V

Inventory Scanners (SCANNER) Class

File:	PRIMARY
Domain:	AUDIT
Class:	SCANNER

File:	PRIMARY
Icon:	
Description:	This persistent component class is used to configure an inventory scan. Create instances of the SCANNER Class by adding Inventory Scanners components to an audit package.
Can connect to:	CMETHOD

SCANNER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ ALWAYS_ class connection is always resolved.	AUDIT.CMETHOD .INV_FULL	50 C
ACTION	**Report Flags [I, N, C, D, S, D, C]** Report on: Initial, New, Changed, Deleted, Scan, Delete, Custom **Initial** means that the file was found during the first scan of the agent computer. **New** means that the file was found during the current scan. The file was not present during the previous scan. **Changed** means that the file was present during the previous scan and is different from the file found during the current scan. **Deleted** means that the file was found during the previous scan. The file is not present for the current scan. **Scan** means that the file was found during the current scan. **Delete** means that the file was found during the previous scan. The file is not present for the current scan. **Custom** means that the file was found during a custom scan.	YYYXXN	7 V
CLASS	**Class**		50 V
DIFF	**Difference [Y/N]** Specifies if differencing is to be done or not. If DIFF = Y, then the information from the scanned files will be compared with the information from the previous file scan.	Y	1 V
KEYS	**Class Keys**		50

			V
NAME	**Friendly Name**		80 V
NAMSPACE	**Name Space**	RADIA	80 V
OUTPUT	**Output Object Prefix**	WBEM	4 V
PARMS	**Parameters**		50 V
SCHEMA	**Schema[Table is <schema>_<class>]**	SITE	16 V
TYPE	**Scan Type**	WBEM	4 V
URL	**Post Audit Data to URL**		80 V7

Path (PATH) Class

File:	PRIMARY
Domain:	AUDIT
Class:	PATH
Icon:	
Description:	This class stores the drive and directory required to install a resource. Packages can be relocated by updating instances of this class.
Can connect to:	DESKTOP, FILE, PATH, MSIFEATS, MSI, PACKAGE, PDACONFG, REGISTRY

ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DIR	**Directory**		255 V
DRIVE	**Drive**		20 V
NAME	**Friendly Name**		255 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCPRI	**Priority**	5	2 V

Registry (REGISTRY) Class

File:	PRIMARY
Domain:	AUDIT
Class:	REGISTRY
Icon:	
Description:	The REGISTRY Class uses WMI to obtain a Registry scan of a Windows machine.

REGISTRY Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTION	**Report Flags (I, N, C, D, S, D, C)** Y, X, or N for each flag.	YYYYXXN 7.	7 V
CLASS	**WBEM Class** Do not change	StdRegProv	50 V
CNDITION	**Registry subkey** Any Windows registry subkey.	`SOFTWARE\Microsoft\Internet Explorer`	255 V
DEPTH	Starting at the registry subkey named in the CNDITION attribute, depth specifies the number of descendent key levels to include in the scan: 0 = Only scan current subkey - 1 = Scan all subkey levels 1 to n = Scan current subkey and the specified subkeys levels deep	0	2 V
FORMAT	**Output format** Do not change.	REGISTRY	8 V
NAME	**Friendly Name** Friendly name for this instance displayed in CSDB Editor.	Default	80 V
NAMSPACE	**Name Space** Do not change.	root\default	80 V
OUTPUT	**Output Object Name**	WBEMAUDT	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
PROPERTY	**Registry hive** Any Windows registry hive: HKEY_CLASSES_ROOT HKEY_CURRENT_USER HKEY_LOCAL_MACHINE HKEY_USERS HKEY_CURRENT_CONFIG HKEY_DYN_DATA	HKEY_ LOCAL_ MACHINE	255 V
RPTCLASS	**Report Class Name** A valid table name. If blank "StdRegProv" will be used.	Registry	32 V
TYPE	**Scan Type (WBEM)** Do not change.	WBEM	4 V

Scheduling (TIMER) Class

File:	PRIMARY
Domain:	AUDIT
Class:	TIMER
Icon:	
Description:	This class contains the instances that enable the RCA administrator to set a timer on agent computers. One or multiple auditing services can be processed whenever the timer expires.

TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
APPSVC	**Application**		32 V
DOMAIN	**Server Domain Name**	&[ZMASTER .ZDOMNAME]	32 V
IPADDR	**Server IP Address/Name**	&[ZMASTER .ZIPADDR]	32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
MGRNAME	**Server Name**	&[ZMASTER .ZMGRNAME]	32 V
NAME	**Friendly Name**		80 V
NETAVAIL	**Check Network Availability [Y/N/W]** Checks for network availability before executing the command.		1 V
OBJGUID	**Instance GUID:** Object Global Unique Identification – for future use.	_UNDEF_	32 V
PINGCNT	**Number of Ping Attempts** This attribute sets the number of ping attempts to be made by the Configuration Server.		32 V
PINGDLAY	**Time between Pings (in msec)** This attribute sets the amount of time between pings in msec.	2000	6 V
REQUEST	**Application Request**	"Apply Updates"	32 V
RETRYFLG	**Enable Retry Support [Y/N]**		1 V
RETRYINT	**Time between Retries (in minutes)**		3 V
RETRYLMT	**Number of Retry Attempts**		3 V
RETRYRC	**Valid Retry RC's (Blank = 200)**		32 V
RUNSYNC	**Synchronous Timer Execution [Y/N]** This attribute sets the value of Yes or No for the synchronous timer execution. The default value is Yes.	Y	1 V
SOCKET	**Server Socket Number**	&[ZMASTER .ZDSTSOCK]	32 V
ZCHNNAME	**Channel [DOMAIN] Name** &(ZSERVICE .ZOBJDOMN)		32 V
ZCREATE	**Client Create Method** RCA-supplied method or fully qualified, user-defined method. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZDELETE	**Client Delete Method** RCA-supplied method or fully qualified, user-defined method. This value is	radtimeq	80 M

Attribute Name	Explanation	Value of Base Instance	Length Type
	inherited from the base instance and should not be changed.		
ZNOPING	**Stop RCS Detection [Y/N]** Controls the automatic sensing of a network connection between the agent computer and the Configuration Server. An expired time will continually evaluate whether communications with the Configuration Server can be established. When communications are established, the command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again. This attribute is especially useful for mobile users. **Note:** In order to use this attribute, you must add it to the TIMER Class template.	Y	1 V
ZOBJPRI	**Priority [00-99]** Sets the priority for deployment of the ZTIMEQ object. The ZTIMEQ object is deployed relative to the other elements being deployed during the agent connect. The elements with a priority number less than the value of ZOBJPRI are deployed before the ZTIMEQ object. A value of 90 is inherited from the base instance and should not be changed.	90	2 V
ZPRVNAME	**Provider (Manager) Name**	&(ZSERVICE.ZMGRNAME)	32 V
ZRSCCMDL	**Command Line to Execute** This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.	radskman req=	255 V
ZSCHDEF	**Time Parameter** Indicates when the timer expires. The		50 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.		
ZSCHFREQ	**Frequency [PERIODIC/ONCE/RANDOM]** This attribute indicates how often the timer should expire according to the frequency specified in the ZSCHDEF attribute. Once for a one-time expiration. Periodic for a repeated expiration. Random for random intervals.	PERIODIC	10 V
ZSCHMODE	**Time Owner [MANAGER/DEFAULT]** This attribute specifies the timer owner. We recommend that you leave the default configuration of USER.	DEFAULT	32 V
ZSCHTYPE	**Type [IMMEDIATE/DEFERRED]** Used only when ZSCHFREQ = PERIODIC. Set ZSCHTYPE to DEFERRED to indicate that the first time you attempt to launch an event, it will be deferred until the next scheduled time, no matter when the timer instance is evaluated. This will handle a daily 4 AM (non-peak) scheduled event that is sent to the agent computer during the day. If it was not deferred, it would launch during the day instead of "waiting" until the next morning. Example 1: If you create and deploy a timer with the ZSCHDEF = DAILY(&ZSYSDATE,4:00:00) If ZSCHTYPE = IMMEDIATE and it is: Before 4:00:00, the command in the instance will be executed the same day at 4:00:00 After 4:00:00, the command in the instance will be executed immediately If ZSCHTYPE = DEFERRED and it is: Before 4:00:00, the command in the instance will be executed the next day at 4:00:00	DEFERRED	10 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	After 4:00:00, the command in the instance will be executed the next day at 4:00:00 Example 2: Suppose you create and deploy a timer with the ZSCHDEF = WEEKDAY(FRIDAY,4:00:00) If ZSCHTYPE = IMMEDIATE and it is: Not Friday or Friday and before 4:00:00, the command in the instance will be executed on Friday at 4:00:00 Friday and after 4:00:00, the command in the instance will be executed immediately If ZSCHTYPE = DEFERRED and it is: Not Friday or Friday and before 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00 Friday and after 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00		
ZSTOP	**Stop Resolution Expression** Use to assign timer conditions. Indicate true to cause resolution of the instance to be skipped. The timer is not deployed for end users. Leave blank for the instance to be accepted, and resolution will continue.		255 E
ZSVCOID	**Service ID** This attribute specifies the object ID of the Application instance that this Scheduling instance is connected to. This value is inherited from the base instance and should not be modified.	&(ZSERVICE.ZOBJID)	80 V
ZUPDATE	**Client Update Method** The Scheduler UPDATE method that runs on the agent computer. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZVERIFY	**Client Verify Method**	radtimeq	80 M

UNIX Permissions (UNIXPERM) Class

File:	PRIMARY
Domain:	AUDIT
Class:	UNIXPERM
Icon:	
Description:	UNIX permissions.

UNIXPERM Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP000	**<ZSTOP000>**	WORDPOS(EDMGETV(ZMASTER,ZOS), 'UNIXHPUX UNIXSOL UNIXAIX UNIXLNUX')=0	255 E
ZRSCRASH	**<ZRSCRASH>**	0666	4 V
NAME	**<NAME>**	Base Instance	80 V

Virtual Mgr Location (MGRVLOC) Class

File:	PRIMARY
Domain:	AUDIT
Class:	MGRVLOC
Icon:	
Description:	This class is used to specify the initial path for files being transferred to the Configuration Server during a FILE audit.

MGRVLOC Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCMFIL	**Audit File Path**		255 V

WBEM (WBEM) Class

File:	PRIMARY
Domain:	AUDIT
Class:	WBEM
Icon:	
Description:	This class contains instances that define Inventory Manager scans of WMI Classes. These can include any class in the WMI database such as Win32_ Services.

WBEM Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTION	**Report Flags [I, N, C, D, S, D, C]** The RIMDIFF method performs actions on the WBEM namespaces (s) instances discovered on the user's computer during the agent connect. • Y configures RIMDIFF to perform the reporting action. • N configures RIMDIFF to not perform the reporting action. • The first four flags determine when to report that the WBEM namespace instance was found: • Report on: Initial, New, Changed, Deleted, Scan, Delete, Custom • Initial means that the file was found during the first scan of the agent computer. • New means that the file was found during the current scan. The file was not present during the previous scan. • Changed means that the file was present during the previous scan and is different from the file found during the current scan. • Deleted means that the file was found during the previous scan. It is not present for the current scan. • Scan means that the file was found during the current scan.	YYYYXXN	7 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	• Delete means that the file was found during the previous scan. It is not present for the current scan. • Custom means that the file was found during a custom scan. The last three flags are not applicable to WBEM audits.		
CLASS	**WBEM Class** The name of the WBEM Class to query or HARDWARE.		50 V
CNDITION	**Query Condition Statement** An optional condition to narrow results of an audit.		255 V
NAME	**Friendly Name** This name will appear in the CSDB Editor's tree view to identify this instance.	Default	80 V
NAMSPACE	**Name Space** The name of the WBEM namespace to query or HARDWARE.	root\cimv2	80 V
OUTPUT	**Output Object Name** This is the name of the object to send to the Configuration Server.	WEBMAUDY	8 V
PROPERTY	**Property Values to Collect** Specify one or more property names to be queried and reported. Use commas to separate more than one property name. If this attribute is blank, all properties in the class will be queried and reported.	*	255 V
RPTCLASS	**WBEM Reporting Class**		50 V
TIMEOUT	**Query Timeout (Seconds)**		4 V
TYPE	**Scan Type [WBEM]** Indicates that WBEM scan is to be employed for this audit package.	WEBM	4 V

Chapter 4

The CLIENT Domain

Use the CLIENT Domain to configure Client Operations Profiles, including setting access points for application data. For more information, see the *Radia Client Automation Enterprise User Guide*. To read the class reference tables, see the section "How to Read the Class Reference Tables" on page 16.

Alert Management (RADALERT) Class

File:	PRIMARY
Domain:	CLIENT
Class:	RADALERT
Icon:	
Description	This class is reserved for future use.

RADLERT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALRTDISP	**Display WMI Events Locally [Y/N]**	N	1 V
DISPCTG	**CSV Event Categories to Display**		200 V
DISPSEV	**Minimum Alert Severity to Display**	0	3 V
REPCTG	**CSV Event Categories to Report**		200 V
REPSEV	**Minimum Alert Severity to Report**	0	3 V
TIMEOUT	**Timeout for Local Event to Display**	5	3 V
WMIALRT	**Monitor WMI BIOS Events [Y/N]**	N	! V

Connect Defer Prefer (CDFCFG) Class

File:	PRIMARY
Domain:	CLIENT
Class:	CDFCFG
Icon:	
Description:	Use this class to configure the user-facing Connect Defer dialog box.

CDFCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ABORT	**Allow / Disallow abort [Y/N]**	Y	1 V
DESCTEXT	**Descriptive text for CDF dialog**		255 V
DESCTXT2	**More descriptive text for dialog**		25 V
DOMAINS	**Allowable domains for CDF**	SOFTWARE, PATCHMGR, OS	255 V
ENABLE	**Enable / Disable CDF [Y/N]**	Y	1 V
NAME	**Friendly Name**		32 V
OS	**Max days since last os conn**		3 V
PATCHMGR	**Max days since last patch conn**		3 V
SOFTWARE	**Max days since last software conn**		3 V
TIMEOUT	**Dialog timeout in minutes**	5	3 V
DEFAULT	**Default max days since last conn**		3 V

Core and Satellite Servers (SERVER) Class

File:	PRIMARY
Domain:	CLIENT
Class:	SERVER
Icon:	
Description:	Each instance is a Core or a Satellite, automatically created and managed by the Core and the Satellite server. There is a bi-directional link to and from the Portal for modeling. Each instance contains a direct connection to its managed SAPs. Any manual changes to the SERVER class will be lost during the next automatic Satellite management update process. Changes should be made to the Satellite server directly, which will then update its respective SERVER and SAP instances. *It is not recommended to make manual changes directly to the CSDB. All changes should be performed through the RCA Core Console. If manual changes are required, they should be performed under the direction of Persistent Support. Manual changes could impact UI operation.*

SERVER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Display name** The display name of the Core or the Satellite server.		80 V
DESCRIPT	**Description** The description of the Core or the Satellite server.		255 V
TYPE	**Server type** This value is automatically filled in for the Core or the Satellite server, based on the server type.		32 V
ENABLED	**Enable server [Y/N]** Enable or disable this server. When disabled, the client does not use this server or its SAPs for resources.	Y	1 V
DEVDN	**Portal device DN** This value defines how the server is represented in the Portal.		100 V
HOSTNAME	**Fully qualified hostname**		100

Attribute Name	Explanation	Value of Base Instance	Length Type
	This value is automatically set to the fully qualified hostname of the Core or the Satellite server.		V
ALWAYS	**Server parameter override method** The method `SYSTEM_ZMETHOD_SERVER_PARAM_OVERRIDE` is called to check whether the server should be part of the resolution or not.	SYSTEM_ ZMETHOD_ SERVER_ PARAM_ OVERRIDE	100 M
ALWAYS	**Connect to SAP** This instance always connects to the SAP instance.		100 A

Settings (SETTINGS) Class

File:	PRIMARY
Domain:	CLIENT
Class:	SETTINGS
Icon:	
Description:	Use an instance in the SETTINGS Class to define how to use your Server Access Profile, define scripts you want to use in pre-configuration processing, and other global parameters.

SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTMAINT	**Maintenance Activation [I/D]** Set to I to immediately run the RCA maintenance module, Upgrdmaint. It is launched to activate the staged maintenance by moving the maintenance modules into their live locations. Upgrdmaint can be launched by radskman immediately after the maintenance is staged or on an independent schedule. This will be controlled by a variable in COP called ACTMAINT (set to Immediate or Deferred). If radskman launches Upgrdmaint, it should only do so after it first checks if there is any new maintenance in the staging directory	I	

Attribute Name	Explanation	Value of Base Instance	Length Type
ADINFO	**Query Active Directory Info [Y/N]** Specify Y if you want to collect the agent computer's active directory information. The information is stored in the ADINFO object in the RADSETUP directory. The default location for the RADSETUP directory is *<InstallDir>*\Lib\RADSETUP. This information will be sent to the Configuration Server for all resolution processes.	Y	1 V
ALWAYSD	**Always Download CFG Objects [Y/N]** Set to Y to always download pre-configuration objects. This guarantees that your SAP or persistent objects are downloaded even if nothing has changed. If your SAP client object is corrupted for any reason, then it will be re-downloaded even if the desired state did not change. In addition, if one of the variables is a substitution then you will download the object with the new values since a variable change by substitution does not change the desired state.	Y	1 V
ALWAYSS	**Always Upload CFG Objects [Y/N]** Always upload all objects in the RADSETUP directory. The default location for the RADSETUP directory is *<InstallDir>*\Lib\RADSETUP	Y	1 V
BANDWDTH	**Bandwidth Percentage (1-99)** Specify the percentage of bandwidth to use between 1 and 99. If the value is blank or the variable does not exist, then all of the bandwidth will be used.		2 V
CMETHOD	**Post Catalog Script** Specify a script that can run after catalog resolution, but before service processing		
DEFROLE	**Default SAP ROLE (A,O,S,M,R)** Specify roles for the Configuration Server specified on the command line. If not specified, the ROLE is set to A (All), and the Configuration Server will be able to perform any ROLE. **Note:** USEDEFS must be set to Y to use DEFROLE.		
DETPROXY	**Internet Proxy detection [Y/N]** Set to N to skip running Internet proxy detection at the beginning of the agent connect.		

Attribute Name	Explanation	Value of Base Instance	Length Type
DISKFREE	**Minimum Free Disk Space Threshold** Specify a minimum of free disk space for RCA to maintain. If a service is over the limit, it will not be installed.		
EQUISORT	**Secondary SAP Priority [R/S]** If several SAP instances have the same priority, set this to R to randomly select which one to use. Set to S to use the SAP with faster network speed. SAPPING must be set to Y to use EQUISORT= S. Use R for workload balancing.	R	1 V
EXASETUP	**Post Config Resolution Script** Specify a script to run after pre-configuration processing. This script must be in the agent computer's IDMSYS directory. The default location is *<InstallDir>*\ConfigurationServr.	INITMETH .REX	80 V
EXBEXIT	**Post Connection Script** Specify a script to execute before RADSKMAN ends. If you are doing a customized reboot process, this is where you would specify it. This script must be in the agent computer's IDMSYS directory. The default location is *<InstallDir>*\ConfigurationServer. **Note:** Client Operations Profiles must be enabled on the RCA agent for the EXBEXIT to be used. This script executes only for RCA Application Manager (RAM) connect.		80 V
EXBOUTBX	**Pre Outbox Script** Specify a script that can run after service processing, but before the objects in the outbox are flushed to the Configuration Server		
EXBSETUP	**Pre Config Resolution Script** Specify a script to run before pre-configuration processing. This script must be in the agent computer's IDMSYS directory. The default location is *<InstallDir>*\ConfigurationServer.	PRESETUP .REX	80 V
FLUSHU	**User Reporting Option [Y/N/A]** Supports flushing objects for all users during a connect or saving the objects locally for transfer at a later time. **A** All Users **Y** Always flush the outbox (default)	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	N Never flush the outbox Sample usage: Specify FLUSHU=N on user connects to build up reporting objects in each user's outbox folder. During a machine connect specify FLUSHU=A to transfer all objects. The default (Y), will always send the current connecting client's reporting objects from the outbox folder.		
LSCRIPT	**Disable Connect on UI Reboot [Y/N]** If you have set a service to perform an immediate reboot and you run RADSKMAN from a login script, set this to Y to run RADSKMAN from the login script. If you have set a service to perform an immediate reboot, and you want radskman to be restarted in the User context when a user logs, set this to N. In other words, if your users are configured to connect to Configuration Server when they log in, set this to N. If you want to do an immediate reboot with context=u, and you want the user to re-establish connection with the Configuration Server, then set LSCRIPT=Y.	Y	1 V
NAME	**Friendly Name** Type the friendly name of the instance.		50 V
NETSPEED	**Speed Check Method** **C** = Detect using ICMP and Link Speed as failsafe (Default - original behavior) C will first try ICMP and fall back to max. **M** =Use the max value of both detect methods. Max will bypass ICMP checking and enumerate the available network connections. Reports the highest speed regardless of loading/latency. **N** =Do not run netspeed checking. (Will not display error). **H** = Perform a high-resolution speed calculation that differentiates between SAPs (for COP) on a network. Uses ICMP.		1 V
NETTTL	**Network Time to Live (0-999)** Controls the maximum number of network segment hops allowed when calculating the speed of network connections. If NETTTL is not available or blank, the default value of 3 is used.		3 V
PUSHBACK	**Push Back (0-999 retries)** Set to 0 to skip a Configuration Server if the Configuration Server pushes back on the agent	0	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	connect. Set to 1 to 999 for number of retries if the Configuration Server pushes back.		
RAD2XUI	**Enable RADUI 2.x** Specify Y to view the vintage UI dialogs. Use this if you are not using System Tray or if you want a message to pop up on the screen in addition to the System Tray.		
RADTRAY	**Radtray Command Line Arguments** Set command line arguments you want to use for the System Tray. Specify Y for the first argument to enable the System Tray, and N to disable it. If set to Y, you can then specify other parameters separated from the Y with a comma. Possible parameters are: **/C** = Show the System Tray in console mode when it starts **/NOCANCEL** = Hide the Cancel button. **/NOPAUSE** = Hide the Pause button. **/D** = Add debug message to the log for troubleshooting. Example: Y, /C /NOPAUSE enables the System Tray in console mode and does not display the PAUSE button.		
RCSDATA	**Download DATA from RCS [Y/N]** After using all of the TYPE = DATA SAPS, if all the needed data has not been downloaded then specify Y to go to SAPs with TYPE = RCS. If you do not want the agent computers to use Configuration Servers, set RCSDATA to N. For Multicast to work, the RCSDATA value should be set to Y.	Y	1 V
REMUNINS	**Allow Remote Notify Uninstall [Y/N/A]** Specify `Y` to stop notifies from remote machines from un-installing a service. Specify `A` to stop notifies from remote and local machines from un-installing a service. This does not stop applications from being un-installed as part of a policy change if a standard RCA agent connect is started from a remote notify. The remove notify string must contain the text `req="Un-install"`. Note: The option `A` works only if agent is installed in the lockdown mode.		

Attribute Name	Explanation	Value of Base Instance	Length Type
RSTROPT	**Bandwidth Checkpoint Restart** Use this attribute to determine when a file is eligible for checkpoint restart based on calculated network bandwidth. This will apply to all files to be downloaded in this agent connect. Specify eligibility in the format (Below Threshold limit, Network Threshold Value, Above Threshold). Suppose you set RSTROPT to 100 KB, 86 KB, 10 MB. First the client calculates the network bandwidth. One of two scenarios will apply: If the network bandwidth is under 86 KB, the file size is compared to 100 KB. If the file size is over 100 KB, checkpoint restart is enabled for that file. If the network bandwidth is over 86KB, the file size is compared to 10MB. If the file size is over 10MB, checkpoint restart is enabled for that file.		
SAPPING	**Ping all SAP [Y/N]** Set to **Y** if the client should ping all of the SAPs. If EQUISORT is set to S, then you must set SAPPING to Y. A result reflecting the speed of the connection will be returned and stored in the SPEED attribute in the SAPSTATS object	N	1 V
SENDRPT	**Send Reporting Object [I/D]** Set to **D** to defer sending all reporting objects to Configuration Server at the end of agent connect. Usually, the reporting objects for each service, such as APPEVENT, CLISTATS, and ZSVCSTAT, are sent to the Configuration Server immediately (I) after they are created. This requires multiple disconnects and reconnects to the Configuration Server.	I	
THROTYPE	**Throttle [RESERVED/ADAPTIVE/NONE/]** Type of Bandwidth throttling to use. Set to ADAPTIVE to yield to other services that are using the network. Set to RESERVED to allow for a specific reservation of the bandwidth. It is the maximum percentage of network bandwidth to use. Set to NONE for no bandwidth throttling, and use the maximum available bandwidth. NONE is the default.		8 V
TIMEOUT	**Communications Timeout (0-3200)s** Specify the timeout in seconds for the Server Access Profile (SAP). This will override the agent timeout (ZMASTER.ZTIMEO) if it contains a valid numeric value. If the value is blank, then the agent will use the		4 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	existing timeout value on the Agent.		
USEDEFS	**Use Default SAP [Y/N]** If a SAP cannot be found for the needed ROLE, specify Y to default to the Configuration Server set on the command line.		
USELSAP	**Use Last SAP [N/Y]** Set this **Y** to specify that the last SAP used in this agent connect should be the SAP used for all remaining services to be resolved. Use of SAPs with type of DATA is at the service level. If set to N, then the client will go through the SAPs in priority for each service. During an agent connect, if a service has to go to a lower priority SAP to complete the data download, decide if you want the remaining services to continue from this SAP (USELSAP=Y) or go back to the highest priority DATA SAP to search for files for the next service (USELSAP=N) and to continue through the SAP priorities.	Y	1 V
ZGRPINFO	**Query NT User Group Info [Y/N]** Specify Y if you want to collect the agent computer's Windows NT user group information. This information will be reflected in the NTGROUPS object in the RADSETUP directory. The default location for the RADSETUP directory is *<InstallDir>*`\ConfigurationServer\Lib\RADSETUP`. This information will be sent to the Configuration Server for all resolution processes.	N	1 V
NATVHTTP	**Use Windows HTTP [Y/N]** Specify this attribute to enable the RCA agent to use Windows WinHTTP library for HTTP communication. Specify Y to use Windows WinHTTP library. Specify N to use HPCA HTTP library.	N	1 V
SALVAGE	**Re-stamp same files [Y/N]** Allows the agent to restamp and reuse resources that have the same signature but different date and time stamp. The checksig=Y parameter added to the RADSKMAN command line instructs the agent to verify the resources' signatures. The packages do not need to be published in a special way to use this flag. This flag is for the agent only, the salvage is always on for staging clients. This will provide savings for packages	N	1 V

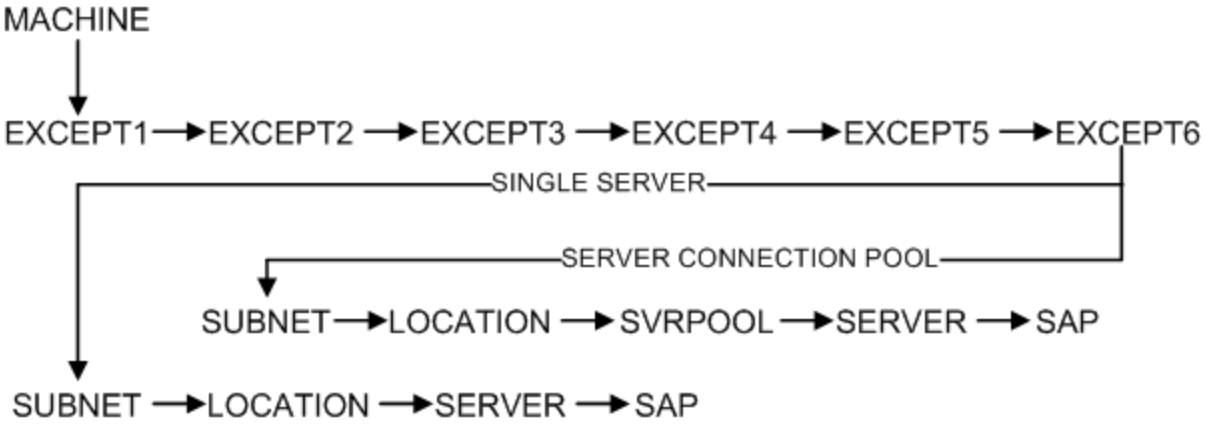
Attribute Name	Explanation	Value of Base Instance	Length Type
	that have resources with the same signature but different date/time stamps. The salvage flag can only be set in the System Explorer.		
RALERTEN	**Use Alert Management [Y/N]** Specify this attribute to enable or disable alert management (RADALERT). To enable the alert management, set the value to Y.	N	1 V

Custom Exception (EXCEPT1-EXCEPT6) Class

File:	PRIMARY
Domain:	CLIENT
Class:	EXCEPT1 EXCEPT2 EXCEPT3 EXCEPT4 EXCEPT5 EXCEPT6
Icon:	
Description:	A MACHINE instance connects to an EXCEPT1 instance, which chains up to EXCEPT6 and then connects to a SUBNET instance. The _ALWAYS_ connection is EXCEPT2 through SUBNET depending on which EXCEPT# is being used. The SUBNET instance connects to a LOCATION instance. *Custom resolution logic should be added here, before the exception pathway reaches the SUBNET instance. It is not recommended to manually change the SUBNET class or any class after this (LOCATION, SERVER, SVRPOOL, and SAP) in the exception pathway.*

The following figure shows the connection flow for single tier Satellite server:

Satellite Server Connection Flow



EXCEPT1-6 Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Display name** The display name of the custom exception.		80 V
DESCRIPT	**Description** The description of the custom exception.		255 V
EXCEPTC	**Exception class name** Do not change this value. This is used for reporting purposes only. The exception CLASS value that was used as a part of the connect process is reported. These values are automatically generated at client resolution time.	&(ZOBJCLAS)	32 V
EXCEPTI	**Exception instance name** Do not change this value. This is used for reporting purposes only. The exception INSTANCE value that was used as a part of the connect process is reported. These values are automatically generated at client resolution time.	&(ZOBJNAME)	32 V
_ ALWAYS_	**Connect To** Specify the custom exception instance to connect to depending on the exception number.	CLIENT.EXCEPT2. &(PREFACE.ZEXCEPT2) CLIENT.EXCEPT3. &(PREFACE.ZEXCEPT3) CLIENT.EXCEPT4. &(PREFACE.ZEXCEPT4) CLIENT.EXCEPT5. &(PREFACE.ZEXCEPT5) CLIENT.EXCEPT6. &(PREFACE.ZEXCEPT6)	100 A

Attribute Name	Explanation	Value of Base Instance	Length Type
		CLIENT.SUBNET. &(ZCONFIG.ZNETLOC)_ &(ZCONFIG.ZSUBNETU)	

Diagnostics (DIAGS) Class

File:	PRIMARY
Domain:	CLIENT
Class:	DIAGS
Icon:	
Description:	Use this class to override default trace settings on the Agent computer.

DIAGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name** Friendly name of the instance.		50 V
RADSTATE	**Command String for RADSTATE** This will run `RADSTATE.EXE` with the parameters specified in this attribute. The base instance of the DIAGS Class is set to VO, which will run RADSTATE in verbose mode, building the ZRSTATE and ZRSTATES objects. If no parameters are specified, RADSTATE will not run. RADSTATE must exist in the IDMSYS directory. You only need to specify the parameters for RADSTATE, not the RADSTATE executable. Refer to the document on RADSTATE for additional information.	MODE=VO	80 V
ZTRACE	**Communication Tracing [Y/S/N]** Specify N to turns off communication buffer tracing. Tracing is off by default. Specify S to provide summary communication buffer information to the client log. This includes number of records read and written and the type of records processed. Specify Y to provide full communication buffer information	N	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	to the client log. All data transmitted and received will be echoed to the client log file		
	Caution: Setting ZTRACE = Y may generate very large logs and severely impact client performance. Do not set this unless instructed to do so by technical support.		
ZTRACEL	**Trace level (000/040/999)** Specify tracing level. If blank, use existing value. **Caution:** Setting ZTRACEL to a higher number may generate very large logs and severely impact client performance. Do not set this unless instructed to do so by technical support.	040	3 V

Hardware Scan Config (RADHWCFG) Class

File:	PRIMARY
Domain:	CLIENT
Class:	RADHWCFG
Icon:	

RADHWCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name** The friendly name of the instance.		50 V
CPU	**CPU [Y/N]** Specify Y to scan for CPU information. **ZCONFIG attributes:** ZHDWBIOS, ZHDWCOMP, ZHDWCPU, ZHDWCPUN, ZHDWCPUS, ZHDWFPU, ZHDWXPAG, ZHWCPU01, ZHDFPU01	Y	1 V
OS	**OS [Y/N]** Specify Y to scan for operating system information.	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	ZCONFIG attributes: REBOOTD, REBOOTT, WTSSRVR, ZHDWLANG, ZHDWOS, ZHDWOSDB, ZHDWOSOG, ZHDWOSOW, ZHDWSVCP		
MEMORY	**Memory [Y/N]** Specify Y to scan for memory information. **ZCONFIG attributes:** ZHDWMEM, ZHDWMEMF	Y	1 V
HDLOCAL	**Local Drives [Y/N]** Specify Y to scan for internal hard drives. **ZCONFIG attributes:** ZHDWCDDR, ZHDWD00, ZHDW00C, ZHDWD00F, ZHDWD00S, ZHDW00T, ZHDWD01, ZHDW01C, ZHDWDF_A, ZHDWDLST, ZHDWDNUM	N	1 V
HDREMOTE	**Remote Drives [Y/N]** Specify Y to scan for external hard drives. **ZCONFIG attributes:** ZHDW00, ZHDWD00C, ZHDWD00F, ZHDW00S, ZHDW00T, ZHDWDLST, ZHDWDNUM	N	1 V
NETWORK	**Network [Y/N]** Specify Y to scan for network information. **ZCONFIG attributes:** GATEWY01, IPADDR01, LADAPT01, NETLOC01, SUBNET01, ZGATEWAY, ZHDWIPAD, ZHDWLANA, ZHDWNET1, ZHDWNNET, ZNETLOC, ZSUBNET	Y	1 V
PERIPHER	**Peripherals [Y/N]** Specify Y to scan for peripherals such as keyboard and mouse. **ZCONFIG attributes:** ZHDWKYBD, ZHDWMOUS, ZHDWPPAR, ZHDWPSER, ZHDWVIDO, ZHDWVRES	N	1 V
PRINTER	**Printers [Y/N]** Specify Y to scan for printers. **ZCONFIG attributes:** ZHDWPA00, ZHDWPA01, ZHDWPPRN	N	1 V
HAL_VER	**HAL Statistics [Y/N]** Specify Y to scan for the HAL (Hardware Abstraction Layer) version. **ZCONFIG attributes:** HALCOMP, HALDATE, HALFNAME, HALFVER, HALINAME, HALLANG, HALPNAME, HALPVER, HALSIZE	N	1 V
APP_VER	**Application Version [Y/N]** Specify Y to scan for versions of MSI (ZHDWVMSI) and IE (ZHDWVIE).	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
WMISCAN	**Use WMI to collect data [Y/N]** Specify Y to perform the scan using WMI (Windows Management Instrumentation).	Y	1 V
DSCAN00n	**Dynamic Scan 00n** Specify Y to use the dynamic scan variable.		1 V

Load Balancers (BALANCER) Class

The Load Balancers (BALANCER) class is reserved for future use.

File:	PRIMARY
Domain:	CLIENT
Class:	BALANCER
Icon:	
Description:	A balancer connects to a SVRPOOL instance only. It has a hostname configured that overrides all SERVER hostname in a SVRPOOL. This class should be used with hardware load balancers. BALANCER configuration is not currently supported in the UI.

BALANCER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Display name** The display name of the load balancer.		80 V
DESCRIPT	**Description** The description of the load balancer.		255 V
ENABLED	**Enable balancer [Y/N]** Specify Y if the environment uses hardware load balancers.	Y	1 V
URL	**Management URL**		100 V
HOSTNAME	**Fully qualified host name** Fully qualified host name of the load balancer, or the IP		100 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	address on which the load balancer is listening for requests.		
ALWAYS	**Connect to SVRPOOL** Specify the SVRPOOL instance to which the load balancer connects.		100 A

Machine Exception (MACHINE) Class

File:	PRIMARY
Domain:	CLIENT
Class:	MACHINE
Icon:	
Description:	This is the entry point exception class to allow per machine overrides. By default, it connects back to the SUNBNET instance through the exception pathway for normal production operation. However, this can be customized if needed. RADSETUP has been changed to point to this instance using CLIENT.MACHINE.&(ZCONFIG.ZHDWCOMP). *Custom resolution logic should be added here, before the exception pathway reaches the SUBNET instance. It is not recommended to manually change the SUBNET class or any class after this (LOCATION, SERVER, SVRPOOL, and SAP) in the exception pathway.*

MACHINE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Display name** The display name of the machine.		80 V
DESCRIPT	**Description** The description of the machine.		255 V
EXCEPTC	**Exception class name** Do not change this value. This is used for reporting purposes only. The exception CLASS value that was used as a part of the connect process is reported. These values are automatically generated at client resolution time.	&(ZOBJCLAS)	32 V
EXCEPTI	**Exception instance name**	&(ZOBJNAME)	32

Attribute Name	Explanation	Value of Base Instance	Length Type
	Do not change this value. This is used for reporting purposes only. The exception INSTANCE value that was used as a part of the connect process is reported. These values are automatically generated at client resolution time.		V
_ ALWAYS_	**Connect to** Specify the exception instance to connect to.	CLIENT. EXCEPT1. &(PREFACE. ZEXCEPT1	100 A

Network Locations (LOCATION) Class

File:	PRIMARY
Domain:	CLIENT
Class:	LOCATION
Icon:	
Description:	Use instances in the LOCATION class to define the agent connection order to use when obtaining resources from the RCA infrastructure. *It is not recommended to make manual changes directly to the CSDB. All changes should be performed through the RCA Core Console. If manual changes are required, they should be performed under the direction of Persistent Support. Manual changes could impact UI operation.*
Can connect to:	DIAGS, SETTINGS, NTFYSEC, RADALERT, SERVER, SVRPOOL, BALANCER

LOCATION Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Display name of this location**		80 V
DESCRIPT	Description of this location		255 V
ALOCINST	**Actual location instance name**	&(ZOBJNAME)	32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
RLOCINST	**Resolved location instance name**	&(ZOBJNAME)	32 V
REGION	Region		50 V
COUNTRY	**Country**		50 V
STATE	**State**		50 V
CITY	**City**		50 V
ADDRESS	Address		50 V
BUILDING	**Building**		50 V
FLOOR	**Floor**		50 V
_ ALWAYS_	**Core SETTINGS Class Connection** Specify an instance in the SETTINGS Class.	SETTINGS .DEFAULT _SETTINGS	100 C
_ ALWAYS_	**Diagnostics Class Connection** Specify an instance in the DIAGS Class.	DIAGS .DEFAULT _DIAGS	100 C
_ ALWAYS_	**UI Class Connection** Specify an instance in the RADUICFG Class.		100 C
_ ALWAYS_	**Hardware Class Connection** Specify an instance in the RADHWCFG Class.		100 C
_ ALWAYS_	**Notify Security Class Connection** Specify an instance in the NTFYSEC Class.	NTFYSEC.DEFAULT_ NTFYSEC	100 C
_ ALWAYS_	**RADALERT Class Connection** Specify an instance in the RADALERT Class RADALERT.DEFAULT_RADALERT		100 C
_	**Connect Defer Class Connection**		100

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS_	Specify an instance in the CDFCFG Class.		C
_ ALWAYS_	**Reboot Defer Class Connection** Specify an instance in the RBOOTCFG Class.		100 C
_ ALWAYS_	**Connect To Class** Specify an instance in any class to connect to this Location instance		100 C
_ ALWAYS_	**Connect To Class** Specify an instance in any class to connect to this Location instance.		100 C
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	10	3 V
_ ALWAYS_	**Connect To SVRPOOL SERVER BALANCER** Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	20	3 V
_ ALWAYS_	**Connect To SVRPOOL SERVER BALANCER** Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	30	3 V
_ ALWAYS_	**Connect To SVRPOOL SERVER BALANCER** Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	40	3 V

Attribute Name	Explanation	Value of Base Instance	Length Type
_ ALWAYS_	**Connect To SVRPOOL SERVER BALANCER** Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	50	3 V
_ ALWAYS_	**Connect To SVRPOOL SERVER BALANCER** Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	60	3 V
_ ALWAYS_	**Connect To SVRPOOL SERVER BALANCER** Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	70	3 V
_ ALWAYS_	**Connect To SVRPOOL SERVER BALANCE** Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	80	3 V
_ ALWAYS_	**Connect To SVRPOOL SERVER BALANCER** Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class	90	3 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	connection below this attribute.		
_ ALWAYS_	**Connect To SVRPOOL SERVER BALANCER** Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	100	3 V
_ ALWAYS_	**Connect To SVRPOOL SERVER BALANCER** Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute. SVRPOOL.HPCA_ CORE		100 A

Notify Security (NTFYSEC) Class

File:	PRIMARY
Domain:	CLIENT
Class:	NTFYSEC
Icon:	
Description:	Use this class to use COPs to set RADEXECD to use internal authentication with the RCA Portal

NTFYSEC Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZEXTSEC	**Extra security [Y/N/L]** Enables notify security. Valid values are `Y` (Yes), `N` (No), and `L` (Lock). The default is `Y`. Set `Y` to restrict execution of the notify request to programs residing in the agent's `IDMSYS` directory. Set `L` to further limit execution to the agent's main execution modules RADSKMAN, RADPINIT, RADCONCT, and UPGRDMAINT. Set `N`, to issue the notify request from wherever it resides.	N	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZIGNDURI	**DATAURI stripping [Y/N/A]** This anti-spoofing attribute lets you to enable DATAURI stripping (the notify daemon strips out the value before the command is run). Valid values are Y (Yes), N (No), and A (All). The default is N. The option Y enables you to strip the DATAURI for notifies from remote and local machines. The option A enables you to strip the DATAURI for notifies from remote and local machines, direct radskman launch, and direct radpinit launch.	N	1 V
ZIGNRURI	**RCSURI stripping [Y/N/A]** This anti-spoofing attribute lets you to enable RCSURI stripping (the notify daemon strips out the value before the command is run). Valid values are Y (Yes), N (No), and A (All). The default is N. The option Y enables you to strip the RCSURI for notifies from remote and local machines. The option A enables you to strip the RCSURI for notifies from remote and local machines, direct radskman launch, and direct radpinit launch.	N	1 V
ZNTFYSEC	**Notify Security [Y/N/L]** Enables notify security. Valid values are Y (Yes), N (No), and L (Lock). The default is Y. Set Y to restrict execution of the notify request to programs residing in the agent's IDMSYS directory. Set L to further limit execution to the agent's main execution modules RADSKMAN, RADPINIT, RADCONCT, and UPGRDMAINT. Set N, to issue the notify request from wherever it resides.		1 V
ZVRFYPWD	**Verify Internal Password [Y/N/I]** Enables password verification. Valid values are Y (Yes) and N (No). The default is N. Set Y to verify that the password sent by the Notify command matches the ZPWD field found in an agent's ZMASTER object. **Note:** The ZPWD attribute is encrypted and is not visible in clear text.	N	1 V
ZVRFYUID	**Verify Internal User ID [Y/N/I]** Enables user ID verification. Valid values are Y (Yes) and N (No). The default is N. Set Y to verify that the user ID sent by the Notify command matches the ZUSERID field found in an agent's ZMASTER object.	N	1 V

Reboot Defer Prefer (RBOOTCFG) Class

File:	PRIMARY
Domain:	CLIENT
Class:	RBOOTCFG
Icon:	
Description:	Use this class to configure the user-facing Reboot Defer (RDF) dialog box.

RBOOTCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly name of the instance.		32 V
ENABLE	Enable / Disable RDF [Y/N]	N	1 V
DESCTEXT	Descriptive text for RDF dialog		32 V
DESCTEXT2	More descriptive text for RDF dialog		32 V
TIMEOUT	**Dialog timeout in minutes** Specify time for the RDF dialog to wait before automatically triggering the reboot.	10	3 V
MAXDAYS	Specify the maximum number of days for which the reboot operation can be deferred. Reboot deferral is not allowed when the MAXDAYS value is zero or empty.	3	3 V
MAXCANCL	Specify the maximum number of times the reboot operation can be cancelled. Reboot cancel is not allowed when the MAXCANCL value is zero. MAXCANCL value -1 signifies that you can cancel the reboot any number of times. • You cannot cancel the reboot if the maximum number of days (MAXDAYS) for reboot defer are exhausted.	-1	3 V

RepObjs Differencer (REPTDIFF) Class

File:	PRIMARY
Domain:	CLIENT
Class:	REPTDIFF
Icon:	
Description:	Use this class to configure the Messaging server to report difference data objects.

REPTDIFF Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
FLUSHDB	**Recreate Reporting Reference Info** Removes all the reference information of the reporting objects in the SQLite database and rebuilds the database. Set to Y to recreate the SQLite database.	N	1 V
FULLREFR	**Perform a Full Refresh** Refreshes the SQLite database and sends the data to the Messaging Server. Set to Y to refresh the complete data to CSDB. **Note:** The value given to the FULLREFR attribute can be overridden by passing the command line parameter 'fullrefr=y' during the agent connect.	Y	1 V
REPTDIFF	**Enable Differencer Engine (Y/N)** Enables the Reporting Differencer. RCA Agent invokes the `RepObjDiff.exe` before flushing the objects out of the OUTBOX folder. Set to Y to invoke the `RepObjDiff.exe`. **Note:** To enable the Reporting Differencer, set REPTDIFF to Y and FULLREFR to N.	N	1 V
REPTOBJS	**List of Reporting Objects** Contains the data objects for differencing, such as `DESTATUS.edm`, `BUSTATUS.edm`, and `PASTATUS.edm`. RCA agent invokes the `RepObjDiff.exe` only if any of these objects are available in the OUTBOX folder and the Reporting Differencer is enabled. There is no default for this attribute.		255 V

RSM UI Preferences (RADUICFG) Class

File:	PRIMARY
Domain:	CLIENT
Class:	RADUICFG
Icon:	

RADUICFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ASKOFFL	**Prompt for offline mode [Y/N/U]** Specify U to allow the user to control prompting for offline use of Application Self-service Manager. Specify Y or N to turn the prompt on or off, and not allow the user to control the prompt.	Y	1 V
BNBNDWTH	**Display Bandwidth [Y/N]** Specify Y to display the Bandwidth button on the Side Bar.	Y	1 V
BNHOME	**Display Home Button [Y/N]** Specify Y to display the Home button on the Side Bar.	Y	1 V
BNHISTRY	**Display History [Y/N]** Specify Y to display the History button on the Side Bar.	Y	1 V
BNMYSOFT	**Display My Software [Y/N]** Specify Y to display the My Software button on the Side Bar.	Y	1 V
BNPREFER	**Display Preferences [Y/N]** Specify Y to display the Preferences button on the Side Bar.	Y	1 V
BNSTATUS	**Display Status [Y/N]** Specify Y to display the Status button on the Side Bar.	Y	1 V
BTNCANCL	**Enable Cancel Button [Y/N]** Specify Y to enable the Cancel button.	Y	1 V
BTNDEL	**Enable Delete Button [Y/N]** Specify Y to enable the Delete button.	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
BTNDWLD	**Enable Download Button [Y/N]** Specify Y to enable the Download button.	Y	1 V
BTNINST	**Enable Install Button [Y/N]** Specify Y to enable the Install button.	Y	1 V
BTNPAUSE	**Enable Pause Button [Y/N]** Specify Y to enable the Pause button.	Y	1 V
BTNRECFG	**Enable Reconfigure Button [Y/N]** Specify Y to enable the Reconfigure button.	Y	1 V
BTNREPR	**Enable Repair Button [Y/N]** Specify Y to enable the Repair button.	Y	1 V
BTNUNDO	**Enable Undo Button [Y/N]** Specify Y to enable the Undo button.	Y	1 V
BTNUPDT	**Enable Update Button [Y/N]** Specify Y to enable the Install button.	Y	1 V
BTNVRFY	**Enable Verify Button [Y/N]** Specify Y to enable the Verify button.	Y	1 V
BWSTRTUP	**Show BW Control on Startup [A/Y/N]** Set to A to automatically display the bandwidth control when processing a service that has bandwidth settings. Set to Y to always display whether or not the service has bandwidth settings and N never to display.	A	1 V
COLNAMES	**Name of Columns (CSV format)** Specify the columns you want displayed. Separate the columns with a comma.	Size, Version, Vendor	50 V
COLORBAK	**Specify RGB or actual Color Back** Specify color for the interface's background. Check the Microsoft Web site for possible colors.		20 V
COLORBTN	**Specify RGB or actual Color Button** Specify the button colors. Check the Microsoft Web site for possible colors.		20 V
COLORSEL	**Specify RGB or actual Color Select** Specify color for selection areas. Check the Microsoft Web site for possible colors.		20 V

Attribute Name	Explanation	Value of Base Instance	Length Type
COLORSET	**Colors [SYSTEM/DEFAULT/CUSTOM/USER]** Select SYSTEM to use the operating system colors, DEFAULT to use the RCA default color scheme, CUSTOM to use COLORSEL, COLORBAK, COLORBTN and COLORWK. The user will not be able to change the colors if SYSTEM, DEFAULT, or CUSTOM is selected. Select USER to allow the user to control the colors.	DEFAULT	10 V
COLORWK	**Specify RGB or actual Color WorkAr** Specify the color for the work area. Check the Microsoft Web site for possible color.		20 V
CUSTIMG	**Custom Image File or RSM Banner** Specify a custom image file or banner. Acceptable file types are JPG/JPEG, GIF, TIF, and BMP. The size limitations in pixels are approximately height of 60 and a width of 250. If no location is specified for the file, the default is IDMLIB (*<InstallDir>*\ConfigurationServer\Lib).		20 V
CUSTURL	**Custom URL on RSM Banner** Specify a URL that the agent computer's default Internet browser will open to if the subscriber clicks on the CUSTIMG		40 V
CUSTTEXT	**Custom Hover Text on RSM Banner** Specify the text to display when the agent computer's mouse hovers over the CUSTOMIMAGE.	Visit Tech Support.	20 V
CUSTTTLE	**Custom Title on RSM Banner** Specify the text to display in the Application Self-service Manager title bar.		20 V
COLTYPE	**Columns [Forced/Required]** Set to Forced if you want only the columns specified in COLNAMES to appear. Set to Required if at least the columns specified in COLNAMES should appear. Name and Status are always displayed.	REQUIRED	10 V
EXPCITEM	**Expand Active Catalog Item [Y/N/U]** Specify U to allow the user to control the expansion of the active catalog item. Specify Y or N to allow or not allow the user to expand the active catalog item.	N	1 V
EXPSITEM	**Expand Active Service item [Y/N/U]** Specify U to allow the user to control the expansion of the active Service List item. Specify Y or N to allow or	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	not allow the user to expand the active item in the Service List.		
NAME	**Friendly Name** Friendly name of the instance.		20 V
PNLOUTBR	**Display Outbar [Y/N]** Specify Y to display the Side Bar. This is located on the left side of the panel and provides navigation throughout the interface.	Y	1 V
PROXYADD	**Proxy Server Address** Specify the Internet proxy server's address.		20 V
PROXYDSC	**Discover proxy address [Y/N/U]** Specify U to allow the user to control Internet proxy discovery. Specify Y or N proxy discovery on or off, and not allow the user to control its appearance.	U	1 V
PROXYPRT	**Proxy Server Port** Specify the Internet proxy server's port.		4 V
PROXYUSE	**Use Proxy Server [Y/N/U]** Specify U to allow the user to control the use of an Internet proxy. Specify Y or N to turn the use of an Internet proxy on or off, and not allow the user to control the use of an Internet proxy.	U	1 V
SHWADVOP	**Show Advanced Options [Y/N/U]** Specify U to allow the user to control the display of Advanced Options. Specify Y or N to turn off or on the display of Advanced Options such as Download Only, Reconfigure, and Undo buttons.	Y	1 V
SHWCATLG	**Show Catalog [Y/N/U]** Specify U to allow the user to control appearance of the list of catalogs. Specify Y or N to turn the catalog list on or off, and not allow the user to control its appearance.	U	1 V
SHWCOLEX	**Show Expand/Collapse Button [Y/N]** Specify Y to show the Install button.	Y	1 V
SHWGRID	**Show Grid Lines [Y/N/U]** Specify U to allow the user to control the display of grid lines. Specify Y or N to turn off or on the display of grid lines.	N	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
SHWINFO	**Show/Hide Extended Info [Y/N]** Specify Y to show the Extended Info button when a service item is expanded.	Y	1 V
SHWMENUS	**Show Menus [Y/N/U]** Specify U to allow the user to control appearance of the menu bar. Specify Y or N to turn the Menu bar on or off, and not allow the user to control its appearance.	U	1 V
SHWSCHEV	**Show/Hide Scheduled Event [Y/N]** Specify Y to show the Scheduled Event button when a service item is expanded. This button looks like a clock.	Y	1 V
STATSTRT	**Status window on startup [Y/N]** Set to Y to show the status window on start up.	N	1 V
STRTCHNG	**Startup param modifications [Y/N]** Specify Y to allow the user to modify the startup parameters in General Options in Preferences. Specify N to not allow the user to modify the startup parameters.	N	1 V
STRTFILE	**Startup parameter filename** Specify the file name for the startup parameters found in the General Options in Preferences.		50 V
STRUPMSG	**Warn if Startup file changes [Y/N]** Specify Y to warn the user if the startup parameter file has changed.	Y	1 V
TMNUCMDn	**RadTray Menu Command** *n* (n is any value ranging from 0 to 9) Create a custom menu item for the System Tray. Specify a command to run when you click **TMNUTXT***n* in the System Tray. The command must be available from the IDMSYS directory.		80 V
TMNUTXTn	**RadTray Menu Text** *n* (n is any value ranging from 0 to 9) Create a custom menu item for the System Tray. This menu will be available when you right click on the System Tray icon. To create a separator bar, type SEPARATOR as the menu text.		20 V

Server Access Profile (SAP) Class

File:	PRIMARY
Domain:	CLIENT
Class:	SAP
Icon:	
Description:	A SAP instance is used by the SERVER class to identify resources provided by RCA Core and Satellite servers. *It is not recommended to make manual changes directly to the CSDB. All changes should be performed through the RCA Core Console. If manual changes are required, they should be performed under the direction of Persistent Support. Manual changes could impact UI operation.* *Any manual changes to the SAP class will be lost during the next automatic Satellite management update process. Changes should be made to the Satellite server directly, which will then update its respective SERVER and SAP instances.*

SAP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP000	**Expression Resolution Method** Use a ZSTOP expression to stop the process from completing if certain requirements are met, e.g., you may want to prevent a laptop computer from using this SAP.		100 E
ZSTOP001	**Expression Resolution Method** Use a ZSTOP expression to stop the process from completing if certain requirements are met, e.g., you may want to prevent a laptop computer from using this SAP.	(UPPER(EDMGETV (SERVER, ENABLED))<>'N')	255 E
NAME	**Friendly Name** Friendly name of the SAP instance.		80 V
TYPE	**Type [RCS /DATA/ROM/PMG]** This setting is automatically managed by the respective Core and Satellite Servers.		4 V

Attribute Name	Explanation	Value of Base Instance	Length Type
BALANCER	**Balancer Instance Name** This value is used for reporting purposes and should not be changed.	&(BALANCER.ZOBJNAME)	32 V
SVRPOOL	**Server Pool Instance Name** This value is used for reporting purposes and should not be changed.	&(SVRPOOL.ZOBJNAME)	32 V
SERVER	**Server Instance Name** This value is used for reporting purposes and should not be changed.	&(SERVER.ZOBJNAME)	32 V
ALOCINST	**Actual Location Instance Name** This value is used for reporting purposes and should not be changed.	&(LOCATION.ALOCINST)	32 V
RLOCINST	**Resolved Location Instance Name** This value is used for reporting purposes and should not be changed.	&(LOCATION.RLOCINST)	32 V
PROTOCOL	**Protocol [http/https/tcp/tcps]** Specify a transport protocol.		5 V
HOSTNAME	**Fully Qualified Host Name** This value is automatically set from the parent SERVER instance and should not be changed.	&(SERVER.HOSTNAME)	100 V
PORT	**Port** This setting is automatically managed by the respective Core and Satellite Servers.		5 V
URI	**Universal Resource Identifier** This value is dynamically built based on the SERVER and SAP information available and should not be changed.	&(PROTOCOL)://&(HOSTNAME):&(PORT)	255 V
ROLE	**RCS Role A,B,O,S,M,R,D,Z** Specifies the role of the SAP. Specify as many values as are needed separated by a comma. A blank or null value defaults to ALL. Possible values are A = all, B = Multicast Enablement, O = Client Operations Profiles, S = Service Resolution, M = Agent Self Maintenance, R = Reporting, D= Data Download.	A	12 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	Note: Only a Configuration Server can be designated as anything other than type D. For servers where TYPE=DATA, if you specify anything other than D, that SAP instance will be skipped.		
ENABLED	**Enable/Disable [Y/N]** This setting is automatically managed by the respective Core and Satellite Servers	Y	1 V
TIMEOUT	**Communications Time-out (0-3200)s** Specify the timeout in seconds. This will override client time-out (ZMASTER.ZTIMEO) if it contains a valid numeric value. If blank, then use existing variable value on client.		4 V
PUSHBACK	**Push Back (0-999 retries)** Set to 0 to skip a Configuration Server if the Configuration Server pushes back on the agent connect. Set to 1 to 999 for number of retries if the Configuration Server pushes back.	0	3 V
THROTYPE	**[NONE/ADAPTIVE/RESERVED]** Type of bandwidth throttling to use. Set to ADAPTIVE to yield to other services that are using the network. Set to RESERVED to allow for a specific reservation of the bandwidth. It is the maximum percentage of network bandwidth to use. Set to NONE for no bandwidth throttling, and use the maximum available bandwidth. This will override client bandwidth throttling if it contains a valid value. If blank, then use existing variable value on the agent computer.		8 V
BANDWDTH	**Bandwidth Percentage (1-99)** Specify the percentage of bandwidth to use between 1 and 99. If blank value or non-existent variable, then use all of the bandwidth. This will override agent bandwidth		2 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	setting if it contains a valid value. If blank, then use existing variable value on agent computer.		
STREAM	**Enable Streaming [Y/N]** Specify Y to use streaming. This will override the client setting in ZMASTER.ZNORSPNS. **Caution:** Streaming is not suitable for all network environments. Consult your network administrator before setting this to Y.	N	1 V
PROXY	**Internet Proxy URI** Do not modify. The Internet proxy URI through which the agent will connect to the SAP. Maintained by agent		255 V
PRIORITY	**Selection Priority** Do not modify. The SAP obtains its priority by looking at the priority specified in the LOCATION Class. &(LOCATION .SAPPRI)		20 V
PRODUCT	**Product Filter** Specify which types of agents can use this SAP instance. Specify multiple clients separated by a comma. Below are suggested identifiers for each agent: Application Manager: AM Inventory Manager: IM Application Self-service Mgr: ASM OS Manager: OSM Patch Manager: PATCH On your radskman command line, specify which products to filter by using the product parameter. For example, if this SAP should only be used by Application Manager, then you may want to set this attribute to AM. Then, set product to AM on your radskman command line.		32 V
FILTER	**Filter Expression [Obj.Var = Value]**		100

Attribute Name	Explanation	Value of Base Instance	Length Type
	Use this attribute to filter the SAP based on any available object attribute. For example, if you only wanted to use this SAP for a specific service, specify APPINFO.ZOBJNAME=GS-CALC. **Note:** The ZSERVICE object is not available during installation. Use the APPINFO object instead. Appinfo, located in the service's LIB directory, is a copy of the service's instance from the ASERVICE object.		V
NETTTL	**Network Time to Live (0-999)** Controls the maximum number of network segment hops allowed when calculating the speed of network connections. If NETTTL is not available or blank, the default value of 3 is used.		3 V
IPVER	**IP Version [46/64/4/6]** The IP version through which the communication happens. The value 46 signifies that the agent connects to the Satellite sever specified in the priority list first through IPv4. If IPv4 is not found, the communication happens through IPv6. The value 64 signifies that the agent first connects to the Satellite server through IPv6. If IPv6 is not found, the agent connects through IPv4. The value 4 signifies that the agent connects to the Satellite server through IPv4. The value 6 signifies that the agent connects to the Satellite server through IPv6.	46	3 V

Server Connect Pool (SVRPOOL) Class

File:	PRIMARY
Domain:	CLIENT
Class:	SVRPOOL
Icon:	
Description:	The group of SERVER instances supporting up to 30 servers per server pool. *It is not recommended to make manual changes directly to the CSDB. All changes should be performed through the RCA Core Console. If manual changes are required, they should be performed under the direction of Persistent Support. Manual changes could impact UI operation.*

SVRPOOL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Display name** The display name of the server pool.		80 V
DESCRIPT	**Description** The description of the server pool.		255 V
ENABLED	**Enable/Disable [Y/N]** Use this attribute to enable or disable device connections to the server pool. You can disable the server pool during the maintenance periods.	Y	1 V
_ ALWAYS_	**Connect to SERVER** Specify the SERVER instance to connect to.		100 A

Subnet (SUBNET) Class

File:	PRIMARY
Domain:	CLIENT
Class:	SUBNET

File:	PRIMARY
Icon:	
Description:	A MACHINE instance connects to an EXCEPT1 instance, which chains up to EXCEPT6 and then connects to a SUBNET instance. The _ALWAYS_ connection for the SUBNET instance is a LOCATION instance. *Custom resolution logic should be added in the custom exception chain, before the exception pathway reaches the SUBNET instance. It is not recommended to manually change the SUBNET class or any class after this (LOCATION, SERVER, SVRPOOL, and SAP) in the exception pathway.*

SUBNET Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Display name** The display name of the subnet.		80 V
DESCRIPT	**Description** The description of the subnet.		255 V
EXCEPTC	**Exception class name** Do not change this value. This is used for reporting purposes only. The exception CLASS value that was used as a part of the connect process is reported. These values are automatically generated at client resolution time.	&(ZOBJCLAS)	32 V
EXCEPTI	**Exception instance name** Do not change this value. This is used for reporting purposes only. The exception INSTANCE value that was used as a part of the connect process is reported. These values are automatically generated at client resolution time.	&(ZOBJNAME)	32 V
_ ALWAYS_	**Connect to** This instance always connects to the LOCATION instance.	CLIENT.LOCATION ._NULL_ INSTANCE_	100 A

Subnet For IPV6 (SUBNET6) Class

File:	PRIMARY
Domain:	CLIENT
Class:	SUBNET6

File:	PRIMARY
Icon:	
Description:	

SUBNET6 Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Display name** The display name of the subnet.		
IPADDR	**IP Address with prefix**		
LOCATION	**Location**		

Chapter 5

The MOBILE Domain

The MOBILE domain contains information related to the mobile applications that are managed using RCA. This domain also provides details on the methods that are used to deploy the mobile applications.

Android Policies (ANDRDPOL) Class

File:	PRIMARY
Domain:	MOBILE
Class:	ANDRDPOL
Icon:	
Description	Use an instance of this class to create security profile for Android devices.
Can connect to	ZSERVICE

ANDRDPOL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
Name	Friendly name of the profile.	-	255 V
DSCRIPT	Description of the security profile.	-	255 V
WIPE	Set this attribute to wipe the mobile device data.	-	1 V
LOCKNOW	Set this attribute to lock the device at that instance.	-	1 V
DISBLCAM	Reserved for future use.	-	-
MAXPWDWP	The maximum number of failed	-	255 V

	password attempts, after which RCA wipes the mobile device data.		
MAXTMLCK	The maximum time a device can remain in idle state before the device is locked.	-	255 V
PWDEXPT	Reserved for future use.	-	-
PMINLENT	The minimum length of the password.	-	255 V
PMINLETR	Reserved for future use.	-	-
PMINLOWC	Reserved for future use.	-	-
PMINNOLE	Reserved for future use.	-	-
PMINNUM	Reserved for future use.	-	-
PMINSYMB	Reserved for future use.	-	-
PMINUPCS	Reserved for future use.	-	-
PQUALITY	The type of characters that the password must contain. This determines the strength and quality of the password.	-	255 V
STORENCR	Reserved for future use.	-	-
PWDRQD	Set a value for this attribute if the managed mobile device user must have a password.	-	255 V

PWDRESET	Set a value for this attribute if the password must be reset.	-	255 V
ZSTOP001	Governs the profile that is to be provisioned. Identifies that the profile is applicable only for Android devices.	WORDPOS('AND', SUBSTR(EDMGETV(ZMASTER,ZOS),1,3))=0	255 E
ZSTOP002	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

Application (ZSERVICE) Class

File:	PRIMARY
Domain:	MOBILE
Class:	ZSERVICE
Icon:	
Description	A ZSERVICE instance represents a unit of managed content that can be connected to many other class instances.
Can connect to	WORKGRP, STAGER

ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Contains** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.	-	50 C
ALWAYS	**Contains** An _ALWAYS_ class connection is always resolved. An Includes connection is used to express inter-package relationships.	-	50 I
ALWAYS	**Utility Resolution Method** Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved. A valid method name, for example, `ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST`.	-	51 M
ADAPTIVE	Reserved for future use.	-	-
APPTYPE	Reserved for future use.	-	-
AUTHOR	Reserved for future use.	-	-
BDELETE	Reserved for future use.	-	-
BNDLEID	Required for iOS applications. The bundle ID is defined for each application, for example, `com.hpca`.	-	-
BREPAIR	Reserved for future use.	-	-
BUPDATE	Reserved for future use.	-	-
CACHE	Reserved for future use.	-	-
CACHELIM	Reserved for future use.	-	-
CACHELOC	Reserved for future use.	-	-
CATGROUP	Reserved for future use.	-	-
COMPSIZE	Reserved for future use.	-	-
DELDATE	Reserved for future use.	-	-
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List.	-	100 V
ERTYPE	Reserved for future use.	-	-

EVENTS	Reserved for future use.	-	-
INSTDATE	Reserved for future use.	-	-
ITEMS	Reserved for future use.	-	-
LREPAIR	Reserved for future use.	-	-
MCELIGBL	Reserved for future use.	-	-
NAME	**Friendly Name** Friendly name for the service. This appears in the properties for the service in the Service List.	-	80 V
OWNER	Reserved for future use.	-	-
PRICE	Reserved for future use.	-	-
PUBDATE	Reserved for future use.	-	-
REBOOT	Reserved for future use.	-	-
RECONFIG	Reserved for future use.	-	-
REMOVAL	Reserved for future use.	-	-
RSTRSIZE	Reserved for future use.	-	-
RUNDLG	Reserved for future use.	-	-
RUNLEVEL	Reserved for future use.	-	-
SCHEDOK	Reserved for future use.	-	-
SIZE	Reserved for future use.	-	-
THROTYPE	Reserved for future use.	-	-
UIOPTION	Reserved for future use.	-	-
UIOPTMSI	Reserved for future use.	-	-
UPDDATE	Reserved for future use.	-	-
UPGDATE	Reserved for future use.	-	-
URL	Reserved for future use.	-	-
VENDOR	Reserved for future use.	-	-
VERDATE	Reserved for future use.	-	-
VERSION	**Version Description** Version of the software. This appears in the properties for the service in the Service List.	-	50 V
ZAVIS	Reserved for future use.	-	-

ZBITARCH	Reserved for future use.	-	-
ZBWAPCT	Reserved for future use.	-	-
ZBWPCT	Reserved for future use.	-	-
ZCONTEXT	Reserved for future use.	-	-
ZCREATE	Reserved for future use.	-	-
ZDELETE	Reserved for future use.	-	-
ZDISCONN	Reserved for future use.	-	-
ZINIT	Reserved for future use.	-	-
ZREPAIR	Reserved for future use.	-	-
ZSTOP000 to ZSTOP002	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		100 E
ZSTOP999	**Stop Unless Radia Connect**	“\(UPPER (EDMGETV (ZMASTER, ZDOMNAME)) ='SOFTWARE'	50 E
ZSVCCAT	Reserved for future use.	-	-
ZSVCCSTA	Reserved for future use.	-	-
ZSVCMO	Reserved for future use.	-	-
ZSVCMODE	Reserved for future use.	-	-
ZSVCNAME	Service Name	Unknown Service	24 V
ZSVCPRI	Reserved for future use.	-	-
ZSVCTTYP	Reserved for future use.	-	-
ZSYSACCT	Reserved for future use.	-	-
ZUPDATE	Reserved for future use.	-	-
ZVERIFY	Reserved for future use.	-	-

Application Packages (PACKAGE) Class

File:	PRIMARY
Domain:	MOBILE
Class:	PACKAGE
Icon:	
Description	An instance of the MOBILE Domain Application Packages (PACKAGE) class represents one software application or unit of other content to be managed on mobile devices.
Can connect to	ZSERVICE

PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.	-	50 C
ALWAYS	**Package Includes** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.	-	50 C
BEHAVIOR	Reserved for future use.	-	-
COMPSIZE	Reserved for future use.	-	-
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List.	-	255 V
DESKTOP	Reserved for future use.	-	-
FILE	Includes connection to FILE Class instances.	-	255 I
INCLUDES	Reserved for future use.	-	-
ITEMS	Reserved for future use.	-	-
NAME	Friendly name of the package.	-	80 V

OWNER	Reserved for future use.	-	-
PATH	Reserved for future use.	-	-
PKGNAME	Reserved for future use.	-	-
REGISTRY	Reserved for future use.	-	-
RELEASE	Reserved for future use.	-	-
REQUIRES	Reserved for future use.	-	-
SIZE	Reserved for future use.	-	-
UNIXFILE	Reserved for future use.	-	-
ZBITARCH	Reserved for future use.	-	-
ZSTOP000 to ZSTOP003	Stop Resolution Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.	-	255 E

File Resources (FILE) Class

File:	PRIMARY
Domain:	MOBILE
Class:	FILE
Icon:	
Description	An instance of this class lets you define and specify characteristics of an application such as the file name and file size.
Can connect to	ZSERVICE

FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C

FVERSION	File Version	_ UNDEF_	30 V
LOCATION	Reserved for future use.	-	-
NAME	Friendly Name		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_ UNDEF_	32 V
PVERSION	Reserved for future use.	-	-
SIGTYPE	Reserved for future use.	-	-
ZCMPKEY	**Compression Key** Reserved for future use.	-	-
ZCMPSIZE	**Compressed File Size** Reserved for future use.	-	-
ZCONTEXT	Reserved for future use.	-	-
ZCREATE	**Method to Install Resource** Reserved for future use.	-	-
ZDELETE	**Method to De-install Resource** Reserved for future use.	-	-
ZFILEUPD	**Client File Update/Add Method** Reserved for future use.	-	-
ZINIT	**Resource Initialization Method** Reserved for future use.	-	-
ZOBJPATCH	Perform Patching [Y/N] Reserved for future use.	-	-
ZOPENERR	**Client Method on File Open Error** Reserved for future use.	-	-
ZPUBVER	Publisher Version Reserved for future use.	-	-
ZREPAIR	Client Instance Repair Method Reserved for future use.	-	-
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint** Reserved for future use.	-	-

ZRSCCONF	**Confirm File Download [Y/N]** Reserved for future use.	-	-
ZRSCCRC	**Resource CRC** Reserved for future use.	-	-
ZRSCCSTA	**Client File Status** Reserved for future use.	-	-
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMMEM	**PDS Member Name** Reserved for future use.	-	-
ZRSCMO	**Mandatory/Optional [M/O]** Reserved for future use.	-	-
ZRSCNAME	**Resource Name** Reserved for future use.	-	-
ZRSCOBJN	**Persistent Object Name** Reserved for future use.	-	-
ZRSCPADM	Admin ID Reserved for future use.	-	-
ZRSCPRI	**Create Sequence Priority** Reserved for future use.	-	-
ZRSCRASH	**DOS File Attribute [R/A/S/H]** Reserved for future use.	-	-
ZRSCRSTR	**Restart [Y/N/R]** Reserved for future use.	-	-
ZRSCSIG	File Signature Reserved for future use.	-	-
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher** Stores the source of the resource: If resource was retrieved from Configuration Server, the value would be M. If resource existed on the desktop, the value would be E. If resource was retrieved from Stager, value would be S. These values are filled in by the RCA user during an application installation. When the user uninstalls an application, only the files that were retrieved from the Configuration Server or the Staging Server would be deleted. The files that existed on the desktop prior to an application install would not be deleted.		20 V

ZRSCSTYP	**Server File Type** Reserved for future use.	-	-
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Reserved for future use.	-	-
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Reserved for future use.	Y	1 V
ZUPDATE	**Client Instance Update Method** Reserved for future use.		50 M

iOS Profile (IOSPRFIL) Class

File:	PRIMARY
Domain:	MOBILE
Class:	IOSPRFIL
Icon:	
Description	Use an instance of this class to create security profile for iOS devices.
Can connect to	ZSERVICE

IOSPRFIL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
RESRQD	Set if restrictions are required on the device.	-	1 V
NAME	Friendly name of the profile.	-	32 V
DESCRIPT	Description of the iOS profile	-	255 V
PWDRQD	Set a value for this attribute if password is	-	1 V

	required on the mobile device.		
PWDSIM	Set a value for this attribute if the password must not contain any special character.	-	1 V
PWDALNUM	Set a value for this attribute if the password must contain alphanumeric characters.	-	1 V
PMINLENT	The value for the minimum length of the password.	-	255 V
PWDMINCX	Minimum number of non-alphanumeric characters that the password must contain.	-	255 V
PWDMXMAG	The time after which the user must change the password (1-730 days).	-	3 V
MAXTMLCK	The time (in minutes) the device can remain in idle state, after which the device is locked automatically.	-	6 V
PWDHIST	The number of passwords that the device remembers. A user cannot set a password that matches the passwords available in the history list.	-	5 V
GRCPRD	The grace period for device lock.	-	3 V

MAXPWDWP	The maximum number of times a user can enter a wrong password, after which the device is wiped.	-	2 V
SECURITY	Set if a user can delete a security profile.	-	20 V
SCRTYCOD	Reserved for future use	-	-
WIPE	Set to wipe the mobile device data.	-	1 V
LOCKNOW	Set to lock the device at that instance.	-	1 V
PWDCLR	Set to clear the password set for the device.	-	1 V
ENBLITUN	Set to enable user to use iTunes store on the device.	-	1 V
ENBLAPPS	Set to enable user to allow application installation on the device.	-	1 V
ENBLSFRI	Reserved for future use	-	-
ENBLUTUB	Reserved for future use	-	-
ENBLINAP	Reserved for future use	-	-
ENBLBACK	Enable to take backup on an iCloud account.	-	1 V
ENBLDOCS	Enable to sync documents with an iCloud account.	-	1 V
ENBLPHOT	Enable the use of photo stream	-	1

	functionality.		V
ENBLGAME	Reserved for future use	-	-
ENBLGCEN	Reserved for future use	-	-
ENBLSIRI	Reserved for future use	-	-
ZSTOP001	Governs the profile that is to be provisioned. Identifies that the profile is applicable only for iOS devices.	WORDPOS('IOS', SUBSTR(EDMGETV(ZMASTER,ZOS),1,3))=0	255 E
ZSTOP002	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.	**-**	255 E

MDM (MDM) Class

File:	**PRIMARY**
Domain:	MOBILE
Class:	MDM
Icon:	
Description	An instance of this class lists the full-service Satellite servers that are configured

File:	PRIMARY
	for mobile device management (MDM).
Can connect to	-

MDM Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly name of the Satellite server that provides MDM functionality.		32 V
SERVER	Host name of the server that provides MDM functionality.		255 V
DESCRIPT	Description of the full-service Satellite server that provides MDM functionality.		255 V

Path (PATH) Class

This class is reserved for future use.

PROFILE (PROFILE) Class

This class is reserved for future use.

SCEP (SCEP) Class

File:	PRIMARY
Domain:	MOBILE
Class:	SCEP
Icon:	
Description	Use an instance of this class to add a SCEP server. For the current release, only base instance is supported; an administrator cannot create multiple instances of this class.
Can connect to	-

SCEP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Reserved for future use.	-	-
SCEPNAME	The name of the SCEP server.	-	255 V
URL	The URL of the SCEP server.	-	255 V
CHLNG	The enrollment challenge password that you obtain from the SCEP server administrator.	-	255 V
RTRYDEL	Reserved for future use.	-	-
RETRY	Reserved for future use.	-	-
DESCRIPT	Reserved for future use.	-	-
ZSTOP	Reserved for future use.	-	-

Scheduling (TIMER) Class

File:	PRIMARY
Domain:	MOBILE
Class:	TIMER
Icon:	
Description	Use the TIMER Class to schedule service deployments. For more information, see *Radia Client Automation Enterprise Administrator User Guide*.
Can connect to	ZSERVICE

TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
FREQ	The frequency at which the timer should be run (hours/days).	1	
NAME	**Friendly Name**	-	80 V

ZSCHFREQ	**Frequency [DAY/HOUR]** Use this attribute to specify how often the timer should expire. **DAY** = expire one time **HOUR** = expire repeatedly	DAY	10 V
ZSCHTYPE	**Type [IMMEDIATE/DEFERRED]** Reserved for future use	IMMEDIATE	10 V
ZSTOP	**Stop Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.	-	255 E

Settings (SETTINGS) Class

File:	PRIMARY
Domain:	MOBILE
Class:	SETTINGS
Icon:	
Description:	This class stores the MDM settings that are passed to the agent. The values for the base instance of this class are populated from the RCA Core console.

SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ANRDPWD	The password using which you can unlock a device after an administrator resets the password.	c2VjcmV0	255 V
LOG	Reserved for future use.	-	-
MDMPNAME	The name of the profile that a mobile device user views during the device enrollment process	-	255 V
NAME	**Friendly Name** The friendly name of the instance.	-	32 V
PAYLOADD	The description of the security profile. This profile	-	255

Attribute Name	Explanation	Value of Base Instance	Length Type
	contains details on the security policies that an administrator has applied on the device.		V
PAYLOADN	The name of the security profile. This profile contains details on the security policies that an administrator has applied on the device.	-	255 V
PROJCTID	The project ID that you received when you created your Google API project. This is required to validate that the RCA Android application is registered to send messages to the mobile device.	-	255 V

Chapter 6

The PRDMAINT Domain

Use the PRDMAINT Domain to store packages for self-maintenance. See the *Radia Client Automation Enterprise Application Manager and Application Self-Service Manager Reference Guide* for additional information on self-maintenance packages.

Application (ZSERVICE) Class

File:	PRIMARY	Description:	A ZSERVICE instance represents a unit of managed content that can be connected to many other class instances. Defining an instance of the ZSERVICE Class within the PRDMAINT Domain should be exclusively for Agent and Admin self-maintenance purposes.
Domain:	PRDMAINT		
Class:	ZSERVICE		
Icon:		Can connect to:	PACKAGE, FILE, BEHAVIOR, DIALOG, DEPT, WORKGRP, TIMER, VGROUP, STAGER, HTTP, EXECUTE, ZSERVICE, PDACONFG

ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Contains** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Contains** An _ALWAYS_ class connection is always resolved. An Includes connection is used to express inter-package relationships.		50 I
ALWAYS	**Utility Resolution Method** Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD.PUT_ZERROR_HIST.		51 M
ADAPTIVE	**Auto Adaptability [Y/N]** Indicates whether the installed package is dependent on client settings that must be monitored periodically.		1 V

	If the settings change, the client must reconnect to the Configuration Server to get new or different components. Useful for "plug and play" services.		
AUTHOR	**Author Name** Name of the author of the service that appears in the properties for the service in the Service List.		50 V
BDELETE	**Service Pre-Delete Method** Method to run before deleting the service.		100 M
BREPAIR	**Service Pre-Update Method** Method to run before updating the service.		100 M
BUPDATE	**Service Pre-Repair Method** Method to run before repairing the service.		100 M
CACHE	**App Element Caching [Y/N]**	N	1 V
CACHELIM	**Percent Disk Limit for Cache** Cache limit, which is defined as the percentage of used drive space. Type a number between 000 and 100. **Note:** Used for Windows Installer applications only. If the percentage of used space is greater than the cache limit, then all of the cached files for the product are removed and the cache folder is deleted. This is checked after every file is cached on the disk.	000	3 V
CACHELOC	**CACHE Location on Client** For Windows Installer applications only. Location of the folder on the agent computer that is used to cache the compressed application files needed for the product. RCA support for Windows Installer tags the PRODGUID value to this value to create the folder. For example, If `CACHELOC=c:\progra~1\HP`, and `PRODGUID = 12345_XXXX\cache`, the cache folder would be: `c:\progra~1\HP\12345_XXXX\cache`. **Note:** The folder name `\cache` is automatically appended to PRODGUID. If you are not deploying a Windows Installer-enabled application, the files will be cached in IDMDATA.	_UNDEF_	254 V

CATGROUP	**Catalog Group Name** Type a name for the catalog to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		30 V
COMPSIZE	**Application Size – Compressed** The size of the compressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface.Cumulative value of the COMPSIZE defined in the PACKAGE Class.		12 V
DELDATE	**Delete Date** Indicates when the application was removed (in local time) from the agent computer. The Agent manages and maintains this attribute.		32 V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).		100 V
ERTYPE	**Event Reporting Method [O/E/X]** Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server. **O** = Object Currently supports object format only.	O	1 V
EVENTS	**Events to Report** Indicates which events to report on. **Event to report on:** **AI** = Application Install **AD** = Application De-install **AU** = Application Update **AR** = Application Repair **AV** = Application Verify **VA** = Version Activation **VD** = Version Deactivation **UM** = Upgrdmaint Maintenance **What (about the event) to report on:** **S** = Success **F** = Failure **B** = Both Success and Failure **N** = None	AI=B AD=B AU=B AR=B AV=F VA=B VD=B UM=B	50 V
INSTDATE	**Installed Date** Indicates when the application was installed (in local time) on the agent computer. The Agent manages and maintains this attribute. The date is in text form, as in:		32 V

	Jan 28, 1998 16:10:00.		
ITEMS	**Number of Component Instances**		7 V
LREPAIR	**Local Repair [Y/N]** Enables local repair of broken applications. If an application is broken because of missing files, the files (stored locally) can be used to repair the application.		1 V
MCELIGBL	**Service Multicast Eligible [Y/N]** Indicates if the application is eligible for multi-casting.	Y	1 V
NAME	**Friendly Name** Friendly name for the service. This appears in the properties for the service in the Service List.		80 V
OWNER	**Application Contact** Package owner, as documented by the Admin Publisher.		50 V
PRICE	**Price** Type in the price of an application to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		10 V
PUBDATE	**Published Date of Service** Date service was published.		32 V
REBOOT	Install/Update/Delete/Version Change Used to restart the agent computer after the service is installed. **Event to report on:** **AI** = Install **AD** = Deinstall **AU** = Update **AR** = Repair **AV** = Verify **Type of reboot:** **S** = Soft Boot (Default of type Y panel.) **H** = Hard Boot (Default of type A panel.) **N** = None **Type of panel:** **Q =** No panel. **A = OK** button only. **Y = OK** and **Cancel** button. **Type of connect:** **None specified:** Reboot on Machine connect (context = m). **U** = reboot on user connect only (context = u). **MU =** reboot when both machine and user parts of the service have been installed. **Example:** AI=S performs a soft boot on application		64 V

	installation.		
RECONFIG	**Reconfiguration Enabled [Y/N]** Indicates whether an application can be relocated after it has been installed.		1 V
REMOVAL	**Un-Managed Behavior [A/D/U]** Controls removal of the service. **If ZVCMO is set to M, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **If ZVCMO is set to O, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **U** = Unmanage (does not delete the objects or components)	D	1 V
RSTRSIZE	Download Restart Threshold (bytes)	0	11 V
RUNDLG	**Dialog Processing [Y/N]** Specifies whether to enable processing of dialog boxes during the installation of the service.	N	1 V
RUNLEVEL	**Runlevel Support for UNIX.**		1 V
SCHEDOK	**Update Schedule Locally [Y/N]** Specifies whether the subscribers are allowed to change the update schedule for the service locally. **Y** = Subscriber is allowed to change the schedule. **N** = Configuration Server controls the update schedule.		1 V
SIZE	**Application Size – Uncompressed:** The size of the uncompressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface.		12 V
UIOPTION	**Progress Indicator [NONE/FULL/INFO]** Controls whether the status window appears. **NONE** = No interface appears. **FULL** = Interface appears and **Cancel** button is available. **INFO** = Interface appears with no option to cancel.		4 V
UIOPTMSI	**MSI Progress Indicator [NONE/FULL/INFO]** Controls whether the MSI status window appears. **NONE** = No interface appears.		

	FULL = Displays what is happening on the agent computer and provides the subscriber with controls to make changes. **INFO** = Displays what is happening on the agent computer, but disables all the controls so that the subscriber cannot make any changes. See the Setup log files and Event Viewer for warnings, errors, successes, failures, and other details.		
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		32 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the RCA user after the dialogs have been installed. This date can be used for reporting purposes. The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
URL	**WEB URL Name** Address of a Web page where the subscriber can find additional information about the service.		100 V
VENDOR	**Vendor Name** Name of the vendor of the service.		24 V
VERDATE	**Verified Date of Service** Indicates when the application was last verified (in local time) on the agent computer. The Agent manages and maintains this attribute.		32 V
VERSION	**Version Description:** Version of the software. This appears in the properties for the service in the Service List.		50 V
ZAVIS	Available, Verified, Installed, Sync F. The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: **Available** indicates whether a service is available from the Configuration Server. **Verified** indicates whether a service has been verified. **Installed** indicates whether the service has been installed. **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.	YXNX	4 V

ZCONTEXT	**Component Context [M/U]**		1 V
ZCREATE	**Service Installation Method** RCA-supplied method or fully qualified, user-defined method.		100 M
ZDELETE	**Service Delete Method** RCA-supplied method or fully qualified, user-defined method.		100 M
ZDISCONN	**Disconnect on Install [Y/N]** Allows the client to disconnect from the Configuration Server if there is an open session with the Configuration Server. **Y** = Disconnects the agent from the Configuration Server. **N** = Does not disconnect from the agent from the Configuration Server.	Y	1 V
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		100 M
ZREPAIR	**Service Repair Method** Name of the method to repair the service.		100 M
ZSTOP000	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.	EDMGETB (ZMASTER .ZOBJFLOR) ='PACKAGE'	100 E
ZSTOP001 to ZSTOP002	**Expression Resolution Method - 001**		100 E
ZSVCCAT	**Service Visible in Catalog? [Y/N]**		1 V
ZSVCCSTA	**Service Status on Client (999)** Status code for the service that leads you to the reason why files for a service may not be deployed correctly. **000** = All actions for service completed. **008** = At least one resource had a writer error. **014** = No disk space for at least one resource. **015** = ZDLIMIT exceeded for at least one resource. **024** = A method timed out. **036** = A create method set ZBRC>7. **900** = Not all files were verified. No work done for service.	999	3 V

ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager *and* Application Self-Service Manager, you could also specify mandatory and then optional, **MO**, or optional then mandatory, **OM**. The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.	O	1 V
ZSVCMODE	**Application Context [M/U/MU]** Specifies whether the service is to be installed in the Machine or User context. **M** = Machine **U** = User		2 V
ZSVCNAME	**Service Name/Description**	Unknown Service	24 V
ZSVCPRI	**Service Create Ordering [01-99]** Enables you to specify a priority level for this service. If disk space on the client desktop is not available, services will be downloaded based on the priority level set here.**01** = ighest priority **10** = Default value **99** = Lowest priority		2 V
ZSVCRASH	**Verify Attributes [Y/F/D/N]** The agent will check permissions on files and/or directories when ZSVCRASH is set. Valid values are: **Y** – verify files and directories **F** – verify files only **D** – verify directories only **N** – do not verify permissions		1 V
ZSVCTTYP	**Application Target Type [A/S]** Indicates which agent will receive this application. **A** = Application Manager **S** = Application Self-service Manager		2 V
ZSYSACCT	**Install Under System Account [Y/N/M]** Specifies whether to install the service under the system account or the user's account. **Y** = The application is installed using the system rights. **N** = The application is installed using the rights of the user who is logged on. **M** = The application is installed using the system rights if the current connect is in the machine context (context =m).	Y	1 V

ZUPDATE	**Service Update Method** RCA-supplied method or fully qualified, user-defined method.		130 M
ZVERIFY	**Service Verify Method**		100 M

Application Packages (PACKAGE) Class

File:	PRIMARY	Description:	An instance of the PRDMAINT Domain Application Packages (PACKAGE) class represents one software application or unit of other content to be managed on agent computers. A PACKAGE in the PRDMAINT Domain should be used exclusively to house self-maintenance applications.
Domain:	PRDMAINT		
Class:	PACKAGE		
Icon:		Can connect to:	DESKTOP, FILE, PATH, MSIFEATS, MSI, PACKAGE, PDACONFG, REGISTRY

PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Contains** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Package Includes** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BEHAVIOR	**Behavior**		255 I
INCLUDES	**Package Includes**		50 I
COMPSIZE	**Package Compressed Resource Size**		12 V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).		255 V
DESKTOP	**Desktop**		255 I

FILE	**File**		255 I
ITEMS	**Number of Component Instances**		7 V
NAME	**Friendly Name**		80 V
OWNER	**Application Contact** Package owner, as documented by the Admin Publisher.		80 V
PATH	**Path**		255 I
PKGNAME	**Package Name**		80 V
REGISTRY	**Registry**		255 I
RELEASE	**Package Release** Release level of the package, as documented by the Admin Publisher.		80 V
REQUIRES	**Required Package Level**		8 R
SIZE	**Package Compressed Resource Size**		12 V
UNIXFILE	**UNIX File**		255 I
ZSTOP000 to ZSTOP003	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the Admin CSDB Editor to set this attribute.		255 E

File Resources (FILE) Class

File:	PRIMARY	Description:	An instance of this class lets you define and specify characteristics of an application such as the file's name, and size. Instances of the PRDMAINT File Resources (FILE) class are specific to the applications used for administration and client self-maintenance.
Domain:	PRDMAINT		
Class:	FILE		
Icon:		Can connect to:	

FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Connect to**	PRDMAINT .MAINTLOC .MAINTENANCE	50 C
FIXNUM	**File Fix Number**		8 V
FVERSION	**File Version**	_UNDEF_	30 V
LEVEL	**Maintenance level [V,R,S,F]** A collection of the FILE variables RELEASE, SPLEVEL and FIXNUM. For example: RELEASE = 4.0 SPLEVEL = 0 FIXNUM = 2091 LEVEL = 4.0.0.2091		20 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PRODUCT	**Product identifier**		8 V
PVERSION	**Product Version**	_UNDEF_	30 V
RELEASE	**Product release level**		6 V
SIGTYPE	**File Signature Type**		3 V
SPEVEL	**File service pack**		3 V

ZCMPKEY	**Compression Key**	_UNDEF_	80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.	RADREMF	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.	RADLKM	50 M
ZPUBVER	**Publisher Version**	_UNDEF_	8 V
ZREPAIR	**Client Instance Repair Method**		50 M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option		8 V

ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote** Date stamp on resource file from promote process.		8 V
ZRSCMMEM	**PDS Member Name**	_UNDEF_	8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name**	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name**		8 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCRSTR	**Restart [Y/N/R]** Set to Y to restart. Set to R to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	N	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type[BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag[Y/N]**		1

			V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both RCA - and non-RCA distributed files. (For example, an RCA -managed application file or `CONFIG.SYS` file.). Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before, Or, the file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for RCA maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.	MN	8 V
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag		

	is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that RCA has. If the incoming file has a higher internal version number than it will be placed on the **desktop over the existing file.** **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, RCA checks to see if System File Protection protects the file. If the file is protected, it will not be deployed.		
ZUPDATE	Client Instance Update Method		50 M

Mac File Resources (MACFILE) Class

File:	PRIMARY	Description:	Mac operating systems only. An instance of this class lets you define and specify characteristics of an application such as the file's name, and size. Instances of the PRDMAINT Mac File Resources (MACFILE) class are specific to the applications used for administration and agent self-maintenance.
Domain:	PRDMAINT		
Class:	MACFILE		
Icon:		Can connect to:	

MACFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
LINKDEST	**Symbolic Link Destination**		30 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.	RADRMEF	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M

ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Client Instance Repair Method**		50 M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** **Y** enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process. A value up to eight digits long.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name**	&ZRSCCFIL	30 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here.**01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]** Set to Y to restart.	Y	3 V

ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, that is Publisher**		20 V
ZRSCSTYP	**Server File [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	Verify Resource File on Connect Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both RCA - and non-RCA distributed files. (For example, a RCA - managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for RCA maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed.	Y	8 V
	L = Forces the lock method to be used. The file will be		

	automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that RCA has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, RCA checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**		50 M

Maintenance Location (MAINTLOC) Class

File:	PRIMARY	Description:	This class points to the instance that defines the self-maintenance options available in Radia 3.0 and later.
Domain:	PRDMAINT		
Class:	MAINTLOC		
Icon:		Can connect to:	

MAINTLOC Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
LOCATION	**Maintenance Location**	&(ZMASTER.ZROOTDRV)& (ZMASTER.ZROOTDIR)_MAINT_\	255 V

Path (PATH) Class

File:	PRIMARY	Description:	This class stores the drive and directory required to install a resource. Packages can be relocated by updating instances of this class. Instances of the PRDMAINT Path (PATH) class are specific to the applications used for administration and client self-maintenance
Domain:	PRDMAINT		
Class:	PATH		
Icon:		Can connect to:	CATALOG, ZSERVICE

PATH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DRIVE	**Drive**	&(ZMASTER.ZSYSDRV)	20 V
DIR	**Directory**	&(ZMASTER.ZROOTDIR_ MAINT_\	255 V
NAME	**Friendly Name**	Maintenance Staging Directory	255 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V

ZRSCPRI	**Priority**	5	2 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V

Product Maintenance (PRDMAINT) Class

File:	PRIMARY	Description:	Maintenance for the Agents is available from Technical Support. Maintenance includes import decks for the CSDB. New instances are created in the PRDMAINT Class. There is one PRDMAINT instance for each PRODUCT_PLATFORM _RELEASE combination. These instances are connected based on the agent's platform and current product level. Once you have decided to roll out the maintenance to the agent computers, you can add the service to the user's entitlements.
Domain:	PRDMAINT		
Class:	PRDMAINT		
Icon:		Can connect to:	PACKAGE, FILE, PATH

PRDMAINT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP000	**Expression Resolution Method**		100 E
ZSTOP001	**Expression Resolution Method**		100 E
NAME	**Friendly Name**		80 V
REQUIRES	**Requires Connection**		80 R

Scheduling (TIMER) Class

File:	PRIMARY	Description:	Use the TIMER Class to schedule service deployments. For more information, see *Radia Client Automation Enterprise Administrator User Guide*.
Domain:	PRDMAINT		
Class:	TIMER		
Icon:		Can connect to:	

TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
APPSVC	**Application**		32 V
DOMAIN	**Server Domain Name**	&(ZMASTER .ZDOMNAME)	32 V
IPADDR	**Server IP Address/Name**	&(ZMASTER .ZIPADDR)	32 V
MGRNAME	**Server Name**	&(ZMASTER .ZMGRNAME)	32 V
NAME	**Friendly Name**		80 V
NETAVAIL	**Check Network Availability [Y/N/W]** Checks for network availability before executing the comman.d		1 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PINGCNT	**Number of Ping Attempts** This attribute sets the number of ping attempts to be made by the Configuration Server.	3	2 V
PINGDLAY	**Time between Pings (in msecs)** This attribute sets the amount of time between pings in msecs.	2000	6 V
REQUEST	**Application Request**	"Apply Updates"	32 V
RUNSYNC	**Synchronous Timer Execution [Y/N]** This attribute sets the value of Yes or No for the synchronous timer execution. The default value is Yes.	Y	1 V
SOCKET	**Server Socket Number**	&(ZMASTER.ZDSTSOCK)	32 V
ZCHNNAME	**Channel [DOMAIN] Name**	&(ZSERVICE.ZOBJDOMN)	32

			V
ZCREATE	**Client Create Method** RCA-supplied method or fully qualified, user-defined method. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZDELETE	**Client Delete Method** RCA-supplied method or fully qualified, user-defined method. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZNOPING	**Stop RCS Detection [Y/N]** Controls the automatic sensing of a network connection between the agent computer and the Configuration Server. An expired time will continually evaluate whether communications with the Configuration Server can be established. When communications are established, the command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again. This attribute is very useful for mobile users. **Note:** In order to use this attribute, you must add it to the TIMER Class template.	Y	1 V
ZOBJPRI	**Priority [00-99]** Sets the priority for deployment of the ZTIMEQ object. The ZTIMEQ object is deployed relative to the other elements being deployed during the agent connect. The elements with a priority number less than the value of ZOBJPRI are deployed before the ZTIMEQ object. A value of 90 is inherited from the base instance and should not be changed.	90	2 V
ZPRVNAME	**Provider (Manager) Name**	&(ZSERVICE .ZMGRNAME)	32 V
ZRSCCMDL	**Command Line to Execute**	radskman req=	255

			V
ZSCHDEF	**Time Parameter** Indicates when the timer expires. The syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.		50 V
ZSCHFREQ	**Frequency [PERIODIC/ONCE/RANDOM]** Use this attribute to specify how often the timer should expire. **ONCE** = expire one time. **PERIODIC** = expire repeatedly. **RANDOM** = expire in random intervals.	PERIODIC	10 V
ZSCHMODE	**Timer Owner [MANAGER/DEFAULT]** This attribute specifies the timer owner. It is recommended that you leave the default configuration of USER.	DEFAULT	32 V
ZSCHTYPE	**Type [IMMEDIATE/DEFERRED]** *Used only when ZSCHFREQ = PERIODIC*. Set ZSCHTYPE to DEFERRED to indicate that the first time an event is attempted to be launched, it will be deferred until the *next* scheduled time, no matter when the timer instance is evaluated. This was designed to handle the case of a daily 4am (non-peak) scheduled event that is sent to the agent computer during the day. If it was not deferred, it would launch during the day instead of "waiting" until the next morning. **Example 1**: Suppose you create and deploy a timer with the ZSCHDEF = DAILY(&ZSYSDATE, 4:00:00) If ZSCHTYPE = IMMEDIATE and it is: Before 4:00:00, the command in the instance will be executed the same day at 4:00:00 After 4:00:00, the command in the instance will be executed immediately If ZSCHTYPE = DEFERRED and it is: Before 4:00:00, the command in the	DEFERRED	10 V

	instance will be executed the *next* day at 4:00:00 After 4:00:00, the command in the instance will be executed the *next* day at 4:00:00 Example 2: Suppose you create and deploy a timer with the ZSCHDEF = WEEKDAY(FRIDAY, 4:00:00) If ZSCHTYPE = IMMEDIATE and it is: Not Friday or Friday and before 4:00:00, the command in the instance will be executed on Friday at 4:00:00 Friday and after 4:00:00, the command in the instance will be executed immediately If ZSCHTYPE = DEFERRED and it is: Not Friday or Friday and before 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00 Friday and after 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00		
ZSTOP	**Stop Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZSVCOID	**Service ID** This attribute specifies the object ID of the Application instance that this Scheduling instance is connected to. This value is inherited from the base instance and should not be modified.	&(ZSERVICE.ZOBJID)	80 V
ZUPDATE	**Client Update Method** The Scheduler UPDATE method that runs on the agent computer. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZVERIFY	**Client Verify Method**	radtimeq	80 M

Unix File Resources (UNIXFILE) Class

File:	PRIMARY	Description:	UNIX® operating systems only. The attributes of the PRDMAINT Unix File Resources (UNIXFILE) define the owner and group associations as well as the permissions of each published resource. Attributes of the PRDMAINT Unix File Resources (UNIXFILE) class are specific to the applications used for administration and client self-maintenance.
Domain:	PRDMAINT		
Class:	UNIXFILE		
Icon:		Can connect to:	

UNIXFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.	PRDMAINT .MAINTLOC .MAINTENANCE	50 C
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.	RADRMEF	50 M
ZFILEUPD	**Client File Update/Add Method**		50

			M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Client Instance Repair Method**		50 M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process. A value up to eight digits long.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name**	&ZRSCCFIL	30 V
ZRSCPADM	**Admin ID**		30 V

ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]** **Y to restart.**	Y	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, that is Publisher**		20 V
ZRSCSTYP	**Server File [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both RCA - and non-RCA distributed files. (For example, a RCA -managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = he file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed.	MU	8 V

	The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before Or, the file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for RCA maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that RCA has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, RCA checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the		

	ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**		50 M

Chapter 7

The PATCH Domain

The PATCH Domain stores the list of available patches within the PATCH Class. See the *Radia Client Automation Enterprise Administrator User Guide* for additional information about this domain and the Service Optimization function.

Patch (PATCH) Class

File:	PRIMARY	Description:	The PATCH Class contains one instance for each patch created when you use Service Optimization. The file signatures of the patch are used to identify the associated instance that contains the data for the patch.
Domain:	PATCH		
Class:	PATCH		
Icon:		Can connect to:	

Table Caption Outside Table: PATCH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
FROMFDCI	**Origin of FROM Resource**: Original location of the From instance.		96 V
FROMOID	**Object ID of FROM Resource**: Object ID of the original From instance.		12 V
FROMSIG	**Signature of FROM Resource**: The content-based signature of the **From** file.		64 V
FROMSIZE	**Size of FROM Resource**: The size of the **From** file. This value is taken from the ZRSCSIZE of the From instance.		11 V
MESSAGE	**Explanation of Status**: Contains the explanation of the status. Reference this attribute to determine if a patch was built successfully.		255 V
NAME	**Friendly Name**: The value of ZRSCCFIL attribute in the **To** instance.		255 V
POS	**OS where Patch was Built**: The operating system on which the patch was built.		32 V

PVERSION	**Patch Builder Version**: The version of the patch builder.		3 V
SIGTYPE	**Content-based Signature Type**: For now, MD5 is the only signature type supported.		8 V
STATUS	**Status of Patch:** Queued, Rejected, or Built.		8 V
TOFDCI	**Origin of TO Resource**: The original location of the **To** instance.		96 V
TOOID	**Object ID of TO Resource**: The object ID of the original **To** instance.		12 V
TOSIG	**Signature of TO Resource**: The content-based signature of the **To** file.		64 V
TOSIZE	**Size of TO Resource**: The size of the **From** file. This value is taken from the ZRSCSIZE of the **To** instance.		11 V
ZCMPSIZE	**Compressed File Size:** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTRL1	**Patch Control 1**: ZSTOPPCT is the percentage of target data when the patch will stop building the path.		64 V
ZCONTRL2	**Patch Control 2**: ZSTOPMAX is the maximum size of the patch.		64 V
ZCONTRL3	**Patch Control 3**: ZTIMEOUT is the time allotted to patch creation before aborting the Create.		64 V
ZRSCCSTA	**Status of Patch Resource**: Status of patch resource. The only valid value is 999.		3 V
ZRSCDATE	**Date Patch was Built:** Date stamp on patch file from promote process.		8 V
ZRSCSIG	**Signature of Patch**: The content-based signature of the patch type.		64 V
ZRSCSIZE	**Size of Patch:** Byte count of patch file from promote process.		11 V
ZRSCTIME	**Time Patch was Built:** Time stamp on patch file from promote process.		8 V
ZRSCTYPE	**Type of Resource**: The only valid value is PATCH.		8 V

Chapter 8

The PATCHMGR Domain

The PATCHMGR Domain contains information about the software being managed and themethods used to deploy the software.

Application Package (PACKAGE) Class

File:	PRIMARY	Description:	The PACKAGE class contains the metadata for each vendor as well as the patch agent binaries.
Domain:	PATCHMGR		
Class:	PACKAGE		
Icon:		Can connect to:	

PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50C
ALWAYS	**Package Includes** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
INCLUDES	**Package Includes**		50 I
REQUIRES	**Requires Package Level**		80 R
OWNER	**Application contact** The Owner for the Package.		80 V
RELEASE	**Package Release** The Release version for the package.		80 V
PATH	**Path** Includes connection to PATH Class instances.		80 I

DESKTOP	**Desktop** Includes connection to DESKTOP Class instances.		80 I
FILE	**File** Includes connection to FILE Class instances.		80 I
REGISTRY	**Registry** Includes connection to REGISTRY Class instances.		80 I
REQUIRES	**Required Package Level** Generic Requires connection.		80 R
BEHAVIOR	**Behavior** Includes connection to BEHAVIOR Class instances.		255 I
ZSTOP000 to ZSTOP003	**Stop Resolution (000)** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users..		255 E
PKGNAME	**Package Name**		80 V
NAME	**Friendly Name**		80 V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List.		255 V
SIZE	**Package Resource Size** Total size of the entire package.		12 V

AUTOPKG (AUTOPKG) Class

File:	PRIMARY	Description:	AUTOPKG class contains the connection to PACKAGE class for the patch agent scripts.
Domain:	PATCHMGR		
Class:	AUTOPKG		
Icon:		Can connect to:	

AUTOPKG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
WIN32	Package Connection for WIN32 Includes connection to Windows PACKAGE		80 A

	Class instance.		
HPUX	Package Connection for HPUX Includes connection to HPUX PACKAGE Class instance.		80 A
COMMON	Package Connection for COMMON Includes connection to Common PACKAGE Class instance.		80 A
SUSE	Package Connection for SUSE Includes connection to SUSE PACKAGE Class instance.		80 A
REDHAT	Package Connection for REDHAT Includes connection to RedHat PACKAGE Class instance.		80 A
LINUX	Package Connection for LINUX Includes connection to Linux PACKAGE Class instance.		80 A
SOLARIS	Package Connection for SOLARIS2 Includes connection to Solaris PACKAGE Class instance.		80 A
AIX	Package Connection for AIX Includes connection to AIX PACKAGE Class instance.		80 A

Bulletin (BULLETIN) Class

File:	PRIMARY	Description:	BULLETIN class contains the connection to PATCH and LOCATION class instance which contributes to the bulletin.
Domain:	PATCHMGR		
Class:	BULLETIN		
Icon:		Can connect to:	

BULLETIN Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Bulletin ID** Name for the bulletin.		32 V
ID	**Unique Identifier** CSDB ID for that bulletin, used for the connection to		12 V

	zservices.		
TITLE	**Title** Title for the bulletin as per vendor documentaton.		255 V
POSTED	**Bulletin Posted On** Bulletin posted date by vendor.		18 V
REVISED	**Bulletin Revised On** Bulletin revised date by vendor.		18 V
SUPPORT	**Support [Y/N]**		I V
URL	**Bulletin URL** Link to the bulletin page on the vendor site.		255 V
FAQURL	**FAQ URL** Link to the FAQ page on the vendor site		255 V
IMPACT	**Impact ID**		8 V
PREREQ	**Prereq ID**		8 V
MITIGATE	**Mitigate ID**		8 V
POPULAR	**Popularity ID**		8 V
CTIME	**Bulletin Created on (ISO-8601)** Date and time of the bulletin created in the CSDB		24 V
MTIME	**Bulletin Modified on (ISO-8601)** Date and time of the bulletin last modified in the CSDB		24 V
SOURCE	**Source [MICROSOFT/NOVADIGM/CUSTOM]** Source for the bulletin metadata. Usually Vendor name if bulletin metadata from the vendor site. NOVADIGM if HP provided metadata. CUSTOM if its customized.		32 V
MANAGE	**Manages Patches**	SYSTEM. ZMETHOD. PATCH_ RESOLVE	80 M
PRELOAD	**Preload of Patch Data** Connection to the LOCATION class instance for the bulletin ID	LOCATION. &(ID)_*	32 V

TYPE	**Bulletin Type** Type of bulletin, usually “Security Updates”		40 V
PLATFORM	**Platform** Platform on which the bulletin has to be installed		32 V
VENDOR	**Vendor**		80 V
CVENAME	**CVE Name** Common Vulnerability Exposure ID for bulletin		255 V
ALTIDS	**Alternate IDs**		255 V
ENABLED	**Bulletin Enabled [Y/N]** Set to Y if the bulletin has to be managed, and N otherwise.	Y	1 V
XMLMD5	**MD5 of Bulletin XML File** MD5 checksum value for the bulletin XML metadata file		32 V
ROLLBACK	**Bulletin Rollback [Y/N]** Set to Y if the bulletin can be uninstalled, and N otherwise		1 V
REVISION	**Revision Number** Revision number assigned by the vendor of the bulletin		32 V
RUNMODE	**Install Mode** Bulletin installation mode	AUTOMATIC	48 V
SYNC	**Patch Connection** `https://svn.ind.hp.com/rg0203/bsaca-dev/tech_pubs/branches/CA78/RNs`	PATCH.&(ID)_*	80 C
SYNC	**Location Connection** Connection to the LOCATION class instances.	LOCATION.&(ID)_*	80 C
SYNC	**Patch Signature** Connection to the PATCH class instances.	PATCHSIG.&(ID)_*	80 C
HPPOSTED	**Date** when HP Posted the Bulletin		32 V
HPREVISED	**Date** when HP Revised the Bulletin		32 V
ALLDATA	**Is there Data for all Patches**	N	1 V
RATING	**Bulletin Rating** Vendor rating for the bulletin		255 V

HTTP Codes (CODES) Class

File:	PRIMARY	Description:	CODES contains the various HTTP/FTP status codes.
Domain:	PATCHMGR		
Class:	CODES		
Icon:		Can connect to:	

CODES Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
CODE	**Code** HTTP Status Code.		32 V
TYPE	**Type of Code** It can be HTTP or FTP.		12 V
NAME	**Friendly Name**		32 V
DESCRIPT	**Description**		255 V

Client Method (CMETHOD) Class

File:	PRIMARY	Description:	CMETHOD contains the various client methods used managing the bulletin on the target machine.
Domain:	PATCHMGR		
Class:	CMETHOD		
Icon:		Can connect to:	

CMETHOD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCREATE	**Create Method** RCA-supplied method or fully qualified method. This is predefined and should not be changed.		150 V

ZDELETE	**Delete Method** RCA-supplied method or fully qualified method. This is predefined and should not be change.		150 V
ZVERIFY	**Verify Method** RCA-supplied method or fully qualified method. This is predefined and should not be change.		150 V
ZUPDATE	**Update Method** RCA-supplied method or fully qualified method. This is predefined and should not be change.		150 V
ZREPAIR	**Repair Method** RCA-supplied method or fully qualified method. This is predefined and should not be change.		150 V

Dialog Services (DIALOG) Class

File:	PRIMARY	Description:	DIALOG class contains the connection to the REXX packages in the PACKAGE.
Domain:	PATCHMGR		
Class:	DIALOG		
Icon:		Can connect to:	

DIALOG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP000	**Expression Resolution Method**		100 E
ZSTOP001	**Expression Resolution Method - 001**		100 E
ZSTOP002	**Expression Resolution Method - 002**		100 E
ZSTOP999	**Stop Unless Radia Connect**		50 E
ZSVCNAME	**Service Name/Description**	&(NAME)	50 V
ALWAYS	**RCS Method**		80 M
ZSVCTTYP	**Application Target Type [A/S]**		2

			V
ZSVCMO	**Mandatory or Optional Service [M/O]**	O	2 V
ZSVCCSTA	**Service Status on Client (999)**	999	3 V
ZSVCPRI	**Service Create Ordering [01-99]**		2 V
ZCREATE	**Service Installation Method**		100 M
ZINIT	**Service Initialization Method**		100 M
ZDELETE	**Service Delete Method**		100 M
ZUPDATE	**Service Update Method**		100 M
ZVERIFY	**Service Verify Method**		100 M
ZREPAIR	**Service Repair Method**		100 M
ZAVIS	**Available,Verified,Installed,Sync F**	YXNX	4 V
PUBDATE	**Published Date of Service**		32 V
VERDATE	**Verified Date of Service**		32 V
UPGDATE	**When Application was Upgraded on De**		32 V
UPDDATE	**Upgrade Date (Programmatic)**		32 V
INSTDATE	**Installed Date**		32 V
DELDATE	**Delete Date**		32 V
AUTHOR	**Author Name**		50 V
DESCRIPT	**Application Description**		100 V

VENDOR	**Vendor Name**		24 V
URL	**WEB URL Name**		100 V
SIZE	**Application Size - Uncompressed**		12 V
COMPSIZE	**Application Size - Compressed**		12 V
PRICE	**Price**		10 V
SCHEDOK	**Update Schedule Locally [Y/N]**		1 V
VERSION	**Version Description**		50 V
NAME	**Friendly Name**	<Defaults>	80 V
OWNER	**Application Contact**		50 V
RUNDLG	**Dialog Processing [Y/N]**	N	1 V
REBOOT	**Install/Update/Delete/Version Change**		64 V
EVENTS	**Events to Report**	AI=B,AD=B,AU=B,AR=B, AV=F,VA=B,VD=B	50 V
ERTYPE	**Event Reporting Method [O/E/X]**	O	1 V
ADAPTIVE	**Auto Adaptability [Y/N]**		1 V
LREPAIR	**Local Repair [Y/N]**		1 V
REMOVAL	**Un-Managed Behavior [A/D/U]**	D	1 V
RECONFIG	**Reconfiguration Enabled [Y/N]**		1 V
ZSVCCAT	**Service Visible in Catalog? [Y/N]**		1 V
UIOPTION	**Progress**	INFO	4

	Indicator[NONE/FULL/INFO]		V
CACHE	**App Element Caching [Y/N]**	N	1 V
CACHELOC	**CACHE Location On Client**	_UNDEF_	255 V
CACHELIM	**Percent Disk Limit For Cache**	000	3 V
ZDISCONN	**Disconnect on Install [Y/N]**	Y	1 V
ZSYSACCT	**Install under System Account[Y/N/M]**	Y	1 V
MCELIGBL	**Service Multicast Eligible[Y/N]**	Y	1 V
RSTRSIZE	**Download restart threshold (bytes)**	0	11 V
CATGROUP	**Catalog Group Name**		30 V
ZSVCMODE	**Application Context [M/U/MU]**		2 V
ZSVCGRP	**Service Group Dependency [Y/N/D/]**		1 V
ZSVCTYPE	**Service Type [I/M/D]**	M	1 V
PRELOAD	**Preload Connection**		80 V

DOMVER (DOMVER) Class

File:	PRIMARY	Description:	The DOMVER class contains the Domain Version for the current PATCHMGR domain.
Domain:	PATCHMGR		
Class:	DOMVER		
Icon:		Can connect to:	

DOMVER Class Attribute Reference

Attribute Name	Explanation	Value of Base	Length

		Instance	Type
DOMVER	**Domain Version** Version of the installed RCA Patch Manager.		8 V

File Change (FILECHG) Class

File:	PRIMARY	Description:	The FILECHG class contains the file probe information for the MSSecure data feed.
Domain:	PATCHMGR		
Class:	FILECHG		
Icon:		Can connect to:	

FILECHG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
PATH	File Path Path to the file to be verified.		255 V
NAME	File Name		255 V
VERSION	Internal File Version Version of the file to be verified for the vulnerability detection.		32 V
GMTDATE	GMT Date File date in GMT.		8 V
GMTTIME	GMT Time File time in GMT.		8 V
CHECKSUM	Checksum of File Content		12 V
CRC32	CRC32 of File Content		12 V
SIZE	File Size		12 V
ZOBJPART	Parent Instance Parent Instance ID to group the FILECHG		128 V
REPORT	Report Threshold		5 V

	Report the status if the return code is beyond the threshold		
DSTATE	Desired State The expected desired state of the component		32 V
USE	Variables to Use The list of variables to be used when evaluating the logical expression to determine the state of the file		50 V
OPTIONS	Standard Options The Class connection to the OPTIONS class instance	OPTIONS.F_NEW_WARN	80 A

File Resources (FILE) Class

File:	PRIMARY	Description:	An instance of the FILE Class defines a file, or a group of files, to include in an package. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Domain:	PATCHMGR		
Class:	FILE		
Icon:		Can connect to:	

FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCNAME	Resource Name	&ZRSCCFIL	30 V
ZRSCCFIL	Resource File Name		255 V
ZRSCM	Mandatory/Optional on Client [M/O] Flag set to to M if the file has to be mandatory on the target device. Otherwise, it is set to O.	M	1 V
ZRSCVRFY	Verify Source File on Connect	U	8 V
ZRSCCONF	Confirm File Download [Y/N]	Y	1 V
ZRSCRASH	DOS File Attribute [R/A/S/H] File attribute to be set, R - Read, A- Archive, S - System, H - Hidden.		4 V

ZRSCSTYP	Server File Type [BINARY/TEXT] Type of the file.	BINARY	8 V
ZRSCMMEM	PDS Member Name		8 V
ZRSCDATE	Resource Date Stamp - From Promote		8 V
ZRSCTIME	Resource Time Stamp - From Promote		8 V
ZRSCSIZE	Resource Size - From Promote		11 V
ZRSCVERS	Resource Version - From Promote		12 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCRC	Resource CRC		8 V
ZRSCRSTR	Restart [Y/N]	Y	3 V
ZRSCOBJN	Persistent Object Name		8 V
ZCMPSIZE	Compressed File Size		11 V
ZCMPKEY	Compression Key	_UNDEF_	80 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCPRI	Create Sequence Priority	50	2 V
ZRSCPADM	Admin ID		30 V
ZRSCSRC	Resource Source, i.e. Publisher		20 V
ZINIT	Resource Initialization Method		50 M
ZCREATE	Method to Install Resource		50

			M
ZDELETE	Method to De-install Resource	RADREMF	50 M
ZREPAIR	Client Instance Repair Method		50 M
ZUPDATE	Client Instance Update Method		50 M
ZFILEUPD	Client File Update/Add Method		50 M
ZOPENERR	Client Method on File Open Error	RADLKM	50 M
ALWAYS	Connect To		50 C
NAME	Friendly Name		80 V
LOCATION	Location		255 V
ZCONTEXT	Component Context		8 V
FVERSION	File Version		30 V
PVERSION	Promote Version		30 V
ZPUBVER	Publisher Version		8 V
OBJGUID	Instance GUID		32 V
ZOBJPTCH	Perform Patching [Y/N]		1 V
ZRSCSIG	File Signature		32 V
SIGTYPE	File Signature Type		3 V

HP-US Fileset (HPFSET) Class

File:	PRIMARY	Description:	HPFSET contains the file set and version information for HPUX bulletins.
Domain:	PATCHMGR		
Class:	HPFSET		
Icon:		Can connect to:	

HPFSET Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Fileset Name		255 V
VERSION	Fileset Version		255 V
ZOBJPART	Parent Instance Parent Instance ID to group the HPFSET.		128 V

Location (LOCATION) Class

File:	PRIMARY	Description:	The instance of the LOCATION class defines the location for every patch instance.
Domain:	PATCHMGR		
Class:	LOCATION		
Icon:		Can connect to:	

LOCATION Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP000	Stop Expression		255 E
ZSTOP001	Stop Expression		255 E

URL	URL Location		25 V
ID	Unique Identifier		12 V
STATUS	Status of Primary URL	999	8 V
DATE	GMT Date/Time		18 V
SIZE	Patch Size		12 V
CRC	CRC of Data		12 V
LOCATION	Installation Directory	&(ZMASTER.ZROOTDRV)& (ZMASTER.ZROOTDIR) PATCHES\&(BULLETIN.NAME)	255 V
ZRSCCFIL	Patch File Name		128 V
ZRSCDATE	Resource Date		8 V
ZRSCTIME	Resource Time		8 V
ZRSCVRFY	Resource Options		8 V
ZRSCSIZE	Resource Size		12 V
ZRSCCRC	Resource CRC		8 V
ZRSCSIG	Resource Signature		32 V
SIGTYPE	Signature Type		5 V
ZCMPSIZE	Compressed Size		12 V
ZRSCSTYP	Resource Type [BINARY/TEXT]	BINARY	8 V
ZOBJMO	Mandatory/Optional on Client [M/O]		1 V

ZRSCRASH	DOS File Attributes [R/A/S/H]		4 V
ZRSCRSTR	Restart [Y/N]		1 V
ZOBJPRI	Create Sequence Priority		2 V
CTIME	Data Creation Time		24 V
MTIME	Data Modification Time		24 V
ZRSCRSTR	Check Point Restart	Y	1 V
ZCREATE	Patch extraction command	50	255 V
ZUPDATE	Patch extraction command		255 V
ZDELETE	Patch delete method	RADREMF	50 M

Message Catalogs (MSGCAT) Class

File:	PRIMARY	Description:	MSGCAT class contains the file instance of Message Catalog files.
Domain:	PATCHMGR		
Class:	MSGCAT		
Icon:		Can connect to:	

MSGCAT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCNAME	Resource Name		30 V
ZRSCCFIL	Resource File Name		255 V
ZRSCMO	Mandatory/Optional on Client [M/O]	M	1 V

ZRSCVRFY	Verify Resource File on Connect	U	8 V
ZRSCCONF	Confirm File Download [Y/N]	Y	1 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCMMEM	PDS Member Name		8 V
ZRSCDATE	Resource Date Stamp - From Promote		8 V
ZRSCTIME	Resource Time Stamp - From Promote		8 V
ZRSCSIZE	Resource Size - From Promote		11 V
ZRSCVERS	Resource Version - From Promote		12 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCRC	Resource CRC		8 V
ZRSCSIG	Resource Signature		32 V
ZRSCRSTR	Restart [Y/N]	Y	3 V
ZRSCOBJN	Persistent Object Name		8 V
ZCMPSIZE	Compressed File Size		11 V
ZCMPKEY	Compression Key		80 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCPRI	Create Sequence Priority	50	2

			V
ZRSCPADM	Admin ID		30 V
ZRSCSRC	Resource Source, i.e. Publisher		20 V
ZINIT	Resource Initialization Method		50 M
ZCREATE	Method to Install Resource		50 M
ZDELETE	Method to De-install Resource	RADREMF	50 M
ZREPAIR	Client Instance Repair Method		50 M
ZUPDATE	Client Instance Update Method		50 M
ZFILEUPD	Client File Update/Add Method		50 M
ZOPENERR	Client Method on File Open Error	RADLKM	50 M
ALWAYS	Connect To		50 C
NAME	Friendly Name		80 V
LOCATION	Location		255 V
ZCONTEXT	Component Context		8 V
FVERSION	File Version		30 V
PVERSION	Promote Version		30 V
ZPUBVER	Publisher Version		8 V
OBJGUID	Instance GUID		32 V
ZOBJPTCH	Perform Patching [Y/N]	Y	1 V

SIGTYPE	File Signature Type		3 V

Metadata Resources (METADATA) Class

File:	PRIMARY	Description:	Metadata Class contains the patch manager metadata files.
Domain:	PATCHMGR		
Class:	METADATA		
Icon:		Can connect to:	

METADATA Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCNAME	Resource Name	&ZRSCCFIL	30 V
ZRSCCFIL	Resource File Name		255 V
ZRSCMO	Mandatory/Optional on Client [M/O]		1 V
ZRSCVRFY	Verify Resource File on Connect		8 V
ZRSCCONF	Confirm File Download [Y/N]		1 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCMMEM	PDS Member Name		8 V
ZRSCDATE	Resource Date Stamp - From Promote		8 V
ZRSCTIME	Resource Time Stamp - From Promote		8 V
ZRSCSIZE	Resource Size - From Promote		11 V

ZRSCVERS	Resource Version - From Promote		12 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCRC	Resource CRC		8 V
ZRSCSIG	Resource Signature		32 V
ZRSCRSTR	Restart [Y/N]	Y	3 V
ZRSCOBJN	Persistent Object Name		8 V
ZCMPSIZE	Compressed File Size		11 V
ZCMPKEY	Compression Key		80 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCPRI	Create Sequence Priority	50	2 V
ZRSCPADM	Admin ID		30 V
ZRSCSRC	Resource Source, i.e. Publisher		20 V
ZINIT	Resource Initialization Method		50 M
ZCREATE	Method to Install Resource		50 M
ZDELETE	Method to De-install Resource	RADREMF	50 M
ZREPAIR	Client Instance Repair Method		50 M
ZUPDATE	Client Instance Update Method		50 M
ZFILEUPD	Client File Update/Add Method		50

			M
ZOPENERR	Client Method on File Open Error	RADLKM	50 M
ALWAYS	Connect To		50 C
NAME	Friendly Name	Default	80 V
LOCATION	Location		255 V
ZCONTEXT	Component Context		8 V
FVERSION	File Version	_UNDEF_	30 V
PVERSION	Promote Version	_UNDEF_	30 V
ZPUBVER	Publisher Version	_UNDEF_	8 V
OBJGUID	Instance GUID	_UNDEF_	32 V
ZOBJPTCH	Perform Patching [Y/N]	Y	1 V
SIGTYPE	File Signature Type		3 V

Options (OPTIONS) Class

File:	PRIMARY	Description:	OPTIONS class contains the Report Threshold Desired.
Domain:	PATCHMGR		
Class:	OPTIONS		
Icon:		Can connect to:	

OPTIONS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
REPORT	Report Threshold	1	2

			V
DSTATE	Desired State Options		32 V
USE	Variables to use in compression		64 V

Patch (PATCH) Class

File:	PRIMARY	Description:	PATCH class contains the patch instance for each bulletin. This contains all the necessary information related to that patch.
Domain:	PATCHMGR		
Class:	PATCH		
Icon:		Can connect to:	

PATCH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
LANG	ISO 639 Alpha(2) code2		5 V
ARCH	Architecture		8 V
PLATFORM	Platform [winnt/win9x]		16 V
OSVER	OS Version String		12 V
OSTYPE	Type [server/workstation]		16 V
OSSUITE	Suite [Datacenter/Blade]		16 V
LOCATION	Location Instance		32 V
PATCHSIG	Patch Signature Instance		32 V
RELEASE	Release Instance Name		32 V
NAME	Patch Name		80

			V
REBOOT	Reboot [Y/N]		1 V
BULLETIN	Bulletin Name		32 V
QNUMBER	Q Number		32 V
ID	Unique Identifier		12 V
SUPERCED	Patch Superceded [Y/N]	N	1 V
SUSNAME	SUS Patch Name		80 V
MSSNAME	MS SECURE NAME		80 V
SUPERBU	Superceded bulletin name		32 V
SUPERPA	Superceded Patch Instance Name		32 V
SUPERMSS	Superceded MS SECURE NAME		80 V
DATA	Patch Data file exists [Y/N]		1 V
PATCHURL	Patch URL		255 V
PATCHFN	Patch File Name		255 V
FORCEDL	Download on each acquisition [Y/N]	N	1 V
CTIME	Patch Creation Time		24 V
MTIME	Patch Modified Time		24 V
FIXEDIN	Fixed in Release		32 V
ROLLBACK	Patch Rollback [Y/N/]		1 V

RUNMODE	Install Mode	AUTOMATIC	48 V
MANAGE	Patch Signature	PATCHSIG.&(PATCHSIG)	80 C
OPTIONS	Options connection	OPTIONS.PATCH	80 A
ZSTOP000	Stop if not enabled		128 E
ZSTOP001	Stop if superceded		128 E
ZSTOP002	Stop if not managingX		128 E
SYNC	Release Connections	RELEASE.&(RELEASE)	80 C
PATCHARG	Patch Arguments Instance		80 A
OTYPE	Object Type		80 V
OCREATE	Create Arguments	_NULL_	255 V
ODELETE	Delete Arguments	_NULL_	255 V
OVERIFY	Verification arguments		255 V
OASSERT	Assert arguments		255 V
OUPDATE	Update arguments		255 V
ENABLED	Patch Enabled [Y/N]	Y	1 V
INSORDER	Install Order		3 V
DELORDER	Delete Order		3 V
CPU	Number of CPU's [uni/multi]		8 V
PATCHNAM	Patch File Name from archive		255

			V
REBOOT_U	Uninstall On Reboot		10 V
RATING	Patch Rating		255 V
TITLE	Patch Title		255 V

Patch Arguments (PATCHARG) Class

File:	PRIMARY	Description:	PATCHARG contains the patch arguments required forthe different operating systems.
Domain:	PATCHMGR		
Class:	PATCHARG		
Icon:		Can connect to:	

PATCHARG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
OCREATE	Patch Command Line	/z /q	255 V
ODELETE	Uninstall Command Line	/q/ /z	255 V

Patch Auth. Store (PASTORE) Class

File:	PRIMARY	Description:	PASTORE contains the Patch Status being acquired and published to the CSDB.
Domain:	PATCHMGR		
Class:	PASTORE		
Icon:		Can connect to:	

PASTORE Class Attribute Reference

Attribute	Explanation	Value of Base	Length

Name		Instance	Type
NAME	Friendly Name		80 V
ID	Unique Identifier		12 V
DVERSION	Data Version		16 V
LDUPDATE	Last Data Update Date		16 V
SVERSION	Schema Version		16 V
LSUPDATE	Last Schema Update Date		16 V
TVERSION	Tool Version		16 V
BULLTNUM	Bulletin Count		8 V
ZRSCCFIL	Resource File		255 V
LOCATION	Location of Resource File		80 V
ZRSCSIZE	Resource Size		12 V
ZCMPSIZE	Compressed Size		12 V
ZGMTDATE	Resource Date		8 V
ZGMTTIME	Resource Time		8 V
ZRSCSIG	MD5 Signature		32 V
SIGTYPE	Signature Type		5 V
ZSTATUS	Status	999	3 V
SRCURL	Source URL		255 V

JOBSTART	Start time of publishing job		32 V
JOBEND	End time of publishing job		32 V
MACHINE	Publisher Machine		80 V
AUTHOR	Author		32 V
PATCHNUM	Total Numer of Patches in Data Store		8 V
PATCHERR	Number of Patches with Errors		8 V
ZRSCCRC	Resource CRC		8 V
ZRSCSTYP	Resource Type	BINARY	8 V
RVENDORS	Requested Vendor List		255 V
AVENDORS	Acquired Vendor List		255 V
ERRORS	List of Errors	PATCHMGR.PUBERROR.&(ID)_ *	80 A

Patch Signature (PATCHSIG) Class

File:	PRIMARY	Description:	PATCHSIG contains the class connection to FILECHG and REGCHG.
Domain:	PATCHMGR		
Class:	PATCHSIG		
Icon:		Can connect to:	

PATCHSIG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP001	Stop if not needed	(EDMGETV(ZCURRENT,ZCURMSG) = 'MANAGE' & ((EDMGETV(PATCH,ZOBJRC) = '0') |	255 E

		(EDMGETV(PATCH,ZOBJRC) = '2') |(EDMGETV(PATCH,ZOBJRC)='999')))	
NAME	Package Name		32 V
ID	Unique Identifier		12 V
CRC	CRC of FILECHGS and REGCHGS		8 V
CTIME	Creation Time		24 V
MTIME	Modification Time		24 V
FILECHGS	File Connection	FILECHG.&(ID)_*	80 A
REGCHGS	Registry Connection	REGCHG.&(ID)_*	80 A
HPFSETS	HP Fileset Connection	HPFSET.&(ID)_*	80 A

Path (PATH) Class

File:	PRIMARY	Description:	PATH class stores the drive and directory required to install a resource.
Domain:	PATCHMGR		
Class:	PATUH		
Icon:		Can connect to:	

PATH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DRIVE	Drive		20 V
DIR	Directory		255 V

NAME	Friendly Name		255 V
ZRSCPRI	Priority	5	2 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V
OBJGUID	Instance GUID	_UNDEF_	32 V

Product (PRODUCT) Class

File:	PRIMARY	Description:	PRODUCT Class contains the information on various products supported.
Domain:	PATCHMGR		
Class:	PRODUCT		
Icon:		Can connect to:	

PRODUCT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly Name		255 V
ID	Unique Identifier		12 V
TAG	Normalized Name		255 V
CVERSION	Current Product Version		32 V
RSUPPORT	Minimum Supported Release		255 V
RCURRENT	Current Release		255 V
CTIME	Creation Time		24 V
MTIME	Modification Time		24 V

RELEASE	Release Connection	RELEASE.&(ID)_*	80 C
OPTIONS	Options Connection	OPTIONS.PRODUCT	80 A
PATCHARG	Patch Arguments Instance		80 A
OTYPE	Object Type		80 V
OVERIFY	Verify Arguments		255 V
VENDOR	Vendor [MICROSOFT/REDHAT/SUSE/HPUX]		80 V
SYNC	Connection PG to PR	PG2PR.*_&(ID)	80 C

Product Association (PG2PR) Class

File:	PRIMARY	Description:	PG2PR contains the class connection to the PRODUCT and RELEAE classes.
Domain:	PATCHMGR		
Class:	PG2PR		
Icon:		Can connect to:	

PG2PR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
PROGROUP	Product Group Instance		12 V
PRODUCT	Product Instance		12 V
MEMBER	Product Connection	PRODUCT.&(PRODUCT)	80 A
SYNC	Product Group Connection	PROGROUP.&(PROGROUP)	80 C

Publisher Error (PUBERROR) Class

File:	PRIMARY	Description:	PUBERROR contains the errors if any during the publishing of the patches.
Domain:	PATCHMGR		
Class:	PUBERROR		
Icon:		Can connect to:	

PUBERROR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
URL	Patch URL		255 V
PATCHNAM	Patch Name		80 V
BULLETIN	Bulletin		16 V
ERROR	Error Code		3 V
ERRORMSG	Error Message		255 V
ID	Job ID		32 V
LOCATION	Location Instance Name		32 V
VENDOR	Vendor Name		80 V

Registry Resources (REGCHG) Class

File:	PRIMARY	Description:	REGCHG class contains the registry related information required for the patch metadata..

Domain:	PATCHMGR		
Class:	REGCHG		
Icon:		Can connect to:	

REGCHG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
PATH	Registry Key Name		255 V
VALUE	Value Data		255 V
NAME	Value Name		255 V
TYPE	Value Type[sz/dword]		12 V
ZOBJPART	Parent Instance Name		128 V
REPORT	Report Threshold		5 V
DSTATE	Desired State		32 V
USE	Variables to Use		50 V
OPTIONS	Options Connection	OPTIONS.R_EXACT	80 A

Release (RELEASE) Class

File:	PRIMARY	Description:	RELEASE contains the different releases of the PRODUCT, which patch manager supports.
Domain:	PATCHMGR		
Class:	RELEASE		
Icon:		Can connect to:	

RELEASE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
PRODUCT	Product Instance Name		32 V
SP	SP Instance Name		32 V
ID	Unique Identifier		12 V
PROBE	Probe Name		32 V
ARGS	Probe Arguments		128 V
NAME	Release Name		255 V
CTIME	Creation Time		24 V
MTIME	Modification Time		24 V
PARENTC	Parent Class	PRODUCT	8 V
PARENTI	Parent Instance	&(PRODUCT)	32 V
CHILDC	Child Class	SP	8 V
CHILDI	Child Instance	&(SP)	32 V
PRODUCT	Product Connection	PRODUCT.&(PRODUCT)	80 C
SP	SP Connection	SP.&(SP)	80 C
RELEASE	Children Release Instances	RELEASE.&(ID)_*	80 C
DISC_PA	Patch Connection	PATCH.*_&(ID)_*	80 C
OPTIONS	Options	OPTIONS.RELEASE	80 A
SYNC	Sync Connection to Fetch Product	PRODUCT.&(PRODUCT)	80

			C
SYNC	Sync Connection to Fetch SP	SP.&(SP)	80 C

Services Packs (SP) Class

File:	PRIMARY	Description:	SP Class contains the Service Pack details for the product.
Domain:	PATCHMGR		
Class:	SP		
Icon:		Can connect to:	

SP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	SP Name		255 V
ID	Unique Identifier		12 V
TAG	Normalized Name		255 V
POSTED	SP Post Date		18 V
REVISED	SP Revised Date		18 V
SUPPORT	Supported [Y/N]		1 V
URL	SP URL		255 V
FAQURL	FAQ URL		255 V
IMPACT	Impact ID		8 V
PREREQ	Prereq ID		8 V
MITIGATE	Mitigate ID		8

			V
POPULAR	Popularity ID		8 V
CTIME	Creation Time		24 V
MTIME	Modification Time		24 V
OTYPE	Object Type		80 V
OASSERT	Assert Arguments		255 V
OVERIFY	Verify Arguments		255 V

Services (ZSERVICE) Class

File:	PRIMARY	Description:	ZSERVICE class contains the Bulletin, patches and any required files to define the Bulletin by the vendor.
Domain:	PATCHMGR		
Class:	ZSERVICE		
Icon:		Can connect to:	

ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Lengt-h Type
ZSTOP000	Expression Resolution Method		100 E
ZSTOP001	Expression Resolution Method - 001		100 E
ZSTOP002	Expression Resolution Method - 002		100 E
ZSTOP999	Stop Unless Radia Connect	\(UPPER(EDMGETV(ZMASTER, ZDOMNAME))='PATCH' | POS('PATCHMGR',EDMGETV (PATCHOBJ,FDCI))>0)	50 E

SYNC	Sync Connection	BULLETIN.&(ZOBJNAME)(SYNC)	80 C
ZSVCNAM- E	Service Name/Description	&(NAME)	50 V
_ ALWAYS_	RCS Method		80 M
ZSVCTTY- P	Application Target Type [A/S]		2 V
ZSVCMO	Mandatory or Optional Service [M/O]	O	2 V
ZSVCCST- A	Service Status on Client (999)	999	3 V
ZSVCPRI	Service Create Ordering [01-99]		2 V
_ ALWAYS_	Contains	BULLETIN.&(ZOBJNAME)(MANAGE)	50 A
ZCREATE	Service Installation Method		100 M
ZINIT	Service Initialization Method		100 M
ZDELETE	Service Delete Method		100 M
ZUPDATE	Service Update Method		100 M
ZVERIFY	Service Verify Method		100 M
ZREPAIR	Service Repair Method		100 M
ZAVIS	Avail- able,Verified,Installed,Sync F	YXNX	4 V
PUBDATE	Published Date of Service		32 V
VERDATE	Verified Date of Service		32 V
UPGDATE	When Application was Upgraded on De		32 V

UPDDATE	Upgrade Date (Programmatic)		32 V
INSTDATE	Installed Date		32 V
DELDATE	Delete Date		32 V
AUTHOR	Author Name		50 V
DESCRIP-T	Application Description		100 V
VENDOR	Vendor Name		24 V
URL	WEB URL Name		100 V
SIZE	Application Size - Uncompressed		12 V
COMP-SIZE	Application Size - Compressed		12 V
PRICE	Price		10 V
SCHEDOK	Update Schedule Locally [Y/N]		1 V
VERSION	Version Description		50 V
NAME	Friendly Name	<Defaults>	80 V
OWNER	Application Contact		50 V
RUNDLG	Dialog Processing [Y/N]	Y	1 V
REBOOT	Install/Up-date/Delete/Version Change		64 V
EVENTS	Events to Report	AI=B,AD=B,AU=B,AR=B,AV=F,VA=B,-VD=B	50 V
ERTYPE	Event Reporting Method [O/E/X]	O	1 V
ADAPTIVE	Auto Adaptability [Y/N]		1

			V
LREPAIR	Local Repair [Y/N]		1 V
REMOVAL	Un-Managed Behavior [A/D/U]	O	1 V
RECON-FIG	Reconfiguration Enabled [Y/N]		1 V
ZSVCCAT	Service Visible in Catalog? [Y/N]	N	1 V
UIOPTION	Progress Indi-cator[NONE/FULL/INFO]	INFO	4 V
CACHE	App Element Caching [Y/N]	N	1 V
CACHE-LOC	CACHE Location On Client		255 V
CACHE-LIM	Percent Disk Limit For Cache	000	3 V
ZDIS-CONN	Disconnect on Install [Y/N]	Y	1 V
ZSY-SACCT	Install under System Account[Y/N/M]	Y	1 V
MCELIGBL	Service Multicast Eligible[Y/N]	Y	1 V
RSTRSIZE	Download restart threshold (bytes)	0	11 V
CAT-GROUP	Catalog Group Name		30 V
ZSVCMOD-E	Application Context [M/U/MU]		2 V
ZSVCGRP	Service Group Dependency [Y/N/D/]		1 V
ZSVCTYP-E	Service Type [I/M/D]	M	1 V
RUN-MODE	Install Mode	AUTOMATIC	48 V
PRELOAD	Preload Connection	BULLETIN.&(ZOBJNAME)(PRELOAD)	80 CV

Chapter 9

The POLICY Domain

Use the POLICY Domain to create users and groups, and to assign users to groups. For more information, see *Radia Client Automation Enterprise Administrator User Guide*.

Country / Region (COUNTRY) Class

File:	PRIMARY	Description:	Country / Region. Use an instance of the COUNTRY Class to define the time zone, date format, clock synchronization with the Configuration Server, and language for an agent computer. Do not assign services to this class.
Domain:	POLICY		
Class:	COUNTRY		
Icon:		Can connect to:	

COUNTRY Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Utility Resolution Method:** Any method you specify for this attribute is unconditionally executed by Client Automation when this object is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD.PUT_ ZERROR_HIST.		50 M
DATEFORM	**Date Format:** This attribute sets up the date format display. A valid date structure (for example, MM/DD/YY or DD/MM/YY).	MM/DD/YY	16 V
LANGUAGE	**Language:** This informational attribute informs other programs the language the client is using. Input the language that your enterprise uses while running Client Automation.	ENGLISH	16 V
NAME	**Friendly Name**		80 V
TIMEZONE	**Time Zone:** Informational attribute that lets you specify a time zone for an agent, e.g., EST, CST, PST, and so forth.	EST	8 V
ZTIMEDIF	**Time Zone Offset (in minutes):** If you do not		4

	synchronize the agent to your site's server clock, you must enter an offset value for this attribute. HPCA time is set on Eastern Standard Time (EST). Thus, if your site's time zone is Central Standard Time (CST), enter 60 for this attribute. If your site's time zone is Pacific Standard Time (PST), enter 180 for this attribute, and so forth. Numeric value between 1 and 9999.		V

Departments (DEPT) Class

File:	PRIMARY	Description:	Use an instance of the DEPT Class to group subscribers into departments.
Domain:	POLICY		
Class:	DEPT		
Icon:		Can connect to:	ZSERVICE, COUNTRY, STAGER, HTTP, MULTCAST

DEPT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
_ ALWAYS_	**Offers:** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
_ ALWAYS_	**Utility Resolution Method:** Any method you specify for this attribute is unconditionally executed by RCA when this instance is resolved. A valid method name, for example, ZSYSTEM .ZMETHOD. PUT_ZERROR_HIST.		51 M
ACCTNO	**Account Number:** Attribute that lets you specify the account number for the department. Site-specific account number.		12 V
NAME	**Friendly Name**		80 V

Machine Manufacturer (MANUFACT) Class

File:	PRIMARY	Description:	Used to assign policy based on the machine manufacturer. Refer to the *Radia Client Automation Enterprise OS Management Reference Guide* for more information.
Domain:	POLICY		
Class:	MANUFACT		
Icon:		Can connect to:	

MANUFACT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Utility Method**		U
ALWAYS	**Service Connection**		C
NAME	**Friendly Name**		V

Machine Models (MODEL) Class

File:	PRIMARY	Description:	Used to assign policy based on the machine model. For more information, see the *Radia Client Automation Enterprise OS Management Reference Guide*.
Domain:	POLICY		
Class:	MODEL		
Icon:		Can connect to:	

MODEL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Utility Method**		U
ALWAYS	**Service Connection**		C
NAME	**Friendly Name**		V

Machine Roles (ROLE) Class

File:	PRIMARY	Description:	Used to assign policy based on the machine role. For more information, see the *Radia Client Automation Enterprise OS Management Reference Guide*.
Domain:	POLICY		
Class:	ROLE		
Icon:		Can connect to:	

ROLE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Utility Method**		U
ALWAYS	**Service Connection**		C
NAME	**Friendly Name**		V

Machine Subnets (SUBNET) Class

File:	PRIMARY	Description:	Used to assign policy based on the machine subnet. For more information, see the *Radia Client Automation Enterprise OS Management Reference Guide*.
Domain:	POLICY		
Class:	SUBNET		
Icon:		Can connect to:	

SUBNET Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Utility Method**		U
ALWAYS	**Service Connection**		C
NAME	**Friendly Name**		V

Mobile Device Confg (MBLCONFG) Class

File:	PRIMARY	Description:	This class defines the parameters for mobile device configuration when using the Mini Management Server.
Domain:	POLICY		
Class:	MBLCONFG		
Icon:		Can connect to:	

MBLCONFG Class

Attribute Name	Explanation	Value of Base Instance	Length Type
RPSADR1	**Radia Proxy Server #1 [IP Addr:Port]:** Specifies the first Proxy Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 192.168.0.1:3466		255 V
RPSADR2	**Radia Proxy Server #2 [IP Addr:Port]:** Specifies the second Proxy Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 192.168.0.2:3466		255 V
RMDSADR1	**Radia Mobile Dist [IP Addr:Port]:** Specifies the Mini Management Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 192.168.0.3:3466		255 V
RIMADR	**Radia Inventory Mgr [IP Addr:Port]:** Specifies the Inventory Manager Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 192.168.0.4:3466		255 V
RMPADR	**Radia Mgmt Portal [IP Addr:Port]:** Specifies the Portal's IP address and port number, in the format of <IP Address>:<Port>. For example: 192.168.0.5:3466		255 V
ZMBLSGNO	**Mobile Signon Panel [Y/N]:** Specifies whether to display the mobile device's sign on panel. Use **Y** to display the panel and **N** to suppress the panel.	N	1 V
SETUSER	**Set Userid on Mobile Device [Y/N]:** Set this to **Y** if you want the userID set to the serial number of the mobile device. Set this to **N** if you want this to be left as user entry.	N	1 V
STORUSER	**Store Userid & Password [Y/N]:** Set to **Y** if you want to	Y	1

	store the User/Password in the `UPDATE.INI` file. Set this to **N** if you want to clear the User/Password in the `UPDATE.INI` file.		V

Attribute Reference

Multicast (MULTCAST) Class

File:	PRIMARY	Description:	Use the MULTCAST Class to configure agent computers to use multicasting.
Domain:	POLICY		
Class:	MULTCAST		
Icon:		Can connect to:	

MULTCAST Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Manager REXX Method A Configuration Server REXX method.	SYSTEM .ZMETHOD .MULTCAST	255 M
ADDRESS	**Broadcast or Multicast Address** Specifies a valid broadcast/multicast address. Additionally, this attribute is important to the dynamic multicast feature.	229.0.0.0	19 V
ALTADDRM	**Multicast Server IP** The IP address of Multicast Server for object exchange.		32 V
ALTPORTM	**Multicast Server Port** The port of Multicast Server for object exchange. **Note:** This is the TCP/IP port that the Multicast Server listens on, not the multicast transmission port. The default is **3463**. This port was chosen to avoid conflicts with known Client Automation ports (such as the Configuration Server port). Therefore, be prepared to adjust accordingly, as other network software might also conflict.	3463	5 V
BYPASCON	User to Prime Multicast Server Limits which clients send which data to the Multicast Server. **BYPASCON = blank) -** All clients will exchange a control object and a needs list object with the Multicast Server. **BYPASCON = User** - The client with this user ID will send *both* objects to the Multicast Server, and the other clients will send *only* the control object.		255

	Note: This option requires that the local time on the clock of the machine that houses the Multicast Server be in synchronization with all multicast-eligible clients.		V8
CGMTDATE	**Collect Start Date (YYYYMMDD)** The start date of the collection period. The format is YYYYMMDD. Additionally, this attribute is important to the dynamic multicast feature.		8 V
CGMTTIME	**Collect Start Time GMT (HH:MM:SS)** The start time of the collection period. The format is HH:MM:SS. Additionally, this attribute is important to the dynamic multicast feature.		8 V
CLASS	**Class Name** Specifies the class name.	&(ZOBJCLASS)	12 V
CWINDOW	Duration of Collection Window (min) Duration (in minutes) of collection phase for all clients to register their list of required files. Additionally, this attribute is discussed as it relates to the dynamic. **Note:** When specifying the duration of your collection window, be sure it is sufficient to collect all the files in the request list.		3 V
DELAYBP	**Delay between Packets (msec)** Delay (milliseconds) between packets.	40	5 V
DELAYFP	**Delay after Packets (msec)** Delay (msec) after the first packet is sent.	40	5 V
DOMAIN	**Domain Name** Specifies the domain name.	&(ZOBJDOMN)	32 V
INSTANCE	**Instance Name** Specifies the instance name.	&(ZOBJNAME)	32 V
MCAST	**Enable Multicast [Y/N]** A flag to indicate if multicast is enabled. The default is Y.	Y	1 V
MCORDER	**Service Installation Order [B/A/S]** Enables an administrator to specify when to download and install mandatory services that are not multicast eligible. **B -** Download the service and install it on the client	S	1 V

	before the multicast session. **A -** Download the service and install it on the client *after* the multicast session. **S** - SPLIT the process so that it downloads the service to the client *before* the multicast, and installs the service *after* the multicast session. This is the default setting.		
MDELAY	**Delay before Multicast Start (min)** Delay between close of collection and start of multicast (minutes).		3 V
MINREF	**Minimum Number of Clients Requesting File** The minimum number of clients that must request a file in order for it to be considered for multicast.	1	7 V
MINSIZE	**Minimum File Size for Multicast** The minimum size a file must be in order to be considered for multicast	1024	10 V
MODE	**Broadcast or Multicast [M/B** Broadcast or Multicast. The default is M. **Note:** If MODE = M, the ADDRESS variable should be specified in the standard Internet 'dotted-decimal' format, and should be between 225.0.0.0 and 239.255.255.255. (Multicast addresses are defined as IP class D addresses in this range. Avoid using the extreme low end of the range (224.0.0.1 – 224.255.255.255), as most of these are reserved for specific purposes.) The B option is for those network configurations (primarily satellite and single sub-area networks) that don't support IGMP.	M	1 V
MWINDOW	**Duration of Multicast Window (min)** Controls the amount of time (in minutes) for a client to run before terminating its multicast "receive" activity. The default is **0**, which allows a client to maintain the receive mode for as long as is necessary to receive all the requested data.	0	3 V
PORT	**Broadcast or Multicast UDP Port** Broadcast or Multicast UDP port.	9512	5 V
RESENDS	**Number of Resends** Number of re-sends. **Note:** Multicast is designed to re-send all packets if RESENDS > 0. It will send STORE	1	5 V

STORE	**Backup Packets to Store for Resend** Number of packets to buffer for resends. **Note:** Multicast is designed to re-send all packets if RESENDS > 0. It will send STORE number of packets and then re-send that group for RESENDS times.	20	5 V
TTL	**Number of Router Hops**	3	3 V

PDACONFG (PDACONFG) Class

File:	PRIMARY	Description:	Defines the parameters for PDA configuration and is used to obtain inventory reports of cradled-PDAs
Domain:	POLICY		
Class:	PDACONFG		
Icon:		Can connect to:	

PDACONFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
MODE	**Operation Mode**	RADIA	10 V
RIS_ADDR	**RIS Server Address: Radia Integration Server IP Address.**		50 V
RIS_PORT	**RIS Server Port: Radia Integration Server IP Port.**	3466	4 V
SVC_NTFY	**Service Notify Flag [Y/N]**	N	1 V

POLPRMS (POLPRMS) Class

File:	PRIMARY	Description:	Use an instance of this class to restrict the policy resolution for a single-service.
Domain:	POLICY		
Class:	POLPRMS		
Icon:		Can connect to:	None

USER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
XDOMAIN	**Single Service Resolution:** The domain names that will be used for single-service policy resolution. For more information on how to implement single service policy resolution, see the section *Optimization for Single-Service Policy Resolution* in the *Radia Client Automation Enterprise Policy Server Reference Guide*.	None	32 V

Server Stagers (STAGER) Class

File:	PRIMARY	Description:	Use to define Staging Servers or Proxy Servers within your distribution network. For more information, see the *Radia Client Automation Enterprise Proxy Server Reference Guide*. In this table staging server can refer to either a Proxy Server or Staging Server.
Domain:	POLICY		
Class:	STAGER		
Icon:		Can connect to:	

STAGER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZDATAURL	**Radia Proxy Server URL Address:** This parameter is for use with the Proxy Server only. Use the Proxy Server if you would like to use http and dynamic		80 V

	caching. For more information, refer to the *Radia Client Automation Enterprise Proxy Server Reference Guide*.		
ZNETNDIR	**Alternative Install Directory:** Specify a path to a folder on the agent computer's ZNETNDRV drive where the Staging Server's resources are located. The location on the server where staged data is stored is created by a concatenation of the values of the ZNETNDRV and ZNETNDIR attributes. Add a leading and trailing slash, for example, `\STAGER\`.		64 V
ZNETNDRV	**Alternative Install Drive:** Type a drive letter defined on the agent computer followed by a colon, for example, `D:`. This can be a local drive, such as a CD-ROM drive, or a mapped network drive.		19 V
ZPCPROTL	**Stager Protocol [TCP/HTTP]:** The protocol to be used for communications between the Staging Requestor and the Staging Server. Select one of the following: **NETB** – Net BIOS **TCP** – TCP/IP **SPX** – Novell NOS	TCP	4 V
ZSTGDESC	**Stager Description:** Specify a text string that subscribers will identify with the Staging Server.	Radia Stager	30 V
ZSTGENV	**Stager Environment [S/M]:** S if the Staging Server is on a machine separate from the Configuration Server. M if the Staging Server is co-resident with the Configuration Server. **S** = separate **M** = located on Configuration Server.		1 V
ZSTGLOCS	**Type-Server/Network/Both [S/N/B]** Specify **S** if the subscriber is to retrieve files from the Staging Server via a TCP/IP session. Specify **N** if the subscriber is to retrieve files from an addressable location on the agent computer such as a mapped network drive or a local CD-ROM drive. Specify **B** if the subscriber is to retrieve files from both. If both (**B**), first the addressable location on the agent computer is checked for the necessary resources. If the files are not found, then the Staging Server is requested to supply them. If there is no STAGER instance assigned to the subscriber, the client obtains the files from the Configuration Server. If there *is* a STAGER instance assigned to the subscriber, the client attempts to obtain resources from all possible sources, in the following sequence: The location specified by ZNETNDRV and ZNETNDIR. This can be a local CD-ROM drive or a network share. The	S	4 V

	and ZSTGSDIR. This can be a dedicated Staging Server, or a Staging Server co-resident with a Configuration Server. The resources are unavailable from this source if the ZSTGSDRV and ZSTGSDIR are blank, or if the Staging Server cannot supply them from the designated location. **3.** The Configuration Server.		
ZSTGOPT	**Perform Staging [1/0]** **1** = enable staging on the agent. **0** = disable staging on the agent.	1	1 V
ZSTGPORT	**TCP/IP Stager Port:** If the agent connects to the Staging Server via a TCP/IP connection, type the TCP/IP port through which the communication will take place. The default port is **3461**. This is a well-known port that has been registered for this purpose. For non-TCP/IP connections, leave blank.		4 V
ZSTGSDIR	**Stager Directory:** Specify a path to a folder on the Staging Server's ZSTGSDRV where the Staging Server will store staged data. The location on the server where staged data is stored is created by a concatenation of the values of the ZSTGSRDV and ZSTGSDIR attributes. Specify a leading and trailing slash, e.g., `\STAGER\`, `/opt/novadigm/Stager/`, `\nvdm\radstage\`. If the specified folder does not exist, Client Automation creates it automatically when data is first copied to the Staging Server.		64 V
ZSTGSDRV	**Stager Drive:** Specify the drive on the Staging Server where Client Automation will store staged data. Specify the drive letter followed by a colon, e.g., **C:, UNIX:, SYS:**. **Note:** The drive letter is the local drive designation on the stager.		19 V
ZSTGSRVR	**Stager Name or IP Address:** If the agent connects to the Staging Server via a TCP/IP connection, type the IP address or host name of the Staging Server. Otherwise, type the Staging Server's network name.		50 V

Users (USER) Class

File:	PRIMARY	Description:	Use to define individual subscribers or agent computers.

Domain:	POLICY		
Class:	USER		
Icon:		Can connect to:	COUNTRY, DEPT, HTTP, STAGER, , MULTCAST, WORKGRP, ZSERVICE

USER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Utility Method		64 M
ALWAYS	**Member of:** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.	POLICY.WORKGRP. DEFAULT	50 C
ALWAYS	**Member of:** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Member of:** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.	PRDMAINT .ZSERVICE .CLIENT	50 C
EMAIL	**E-Mail Address**		128 V
MSITRACE	**Activates MSI Verbose Trace-*vpath**		255 V
NAME	**Friendly Name:** User-specific ID.		80 V
RETRYINT	**Retry Interval (in seconds)**		2 V
RETRYLIM	**Number of Retries**		2 V
SELFPIND	**Self Maintenance Display [Y/N]:** Controls the self-maintenance status display screen.	N	1 V
SLFINTVL	**Self Maintenance Interval (hours):** Sets the frequency for self-maintenance (how often).	0	3 V

TYPSEL	**Type Selection-Calc. Pack Size**	Typical	10 V
UNAME	**Name**		30 V
USERID	**Enterprise User ID:** A valid eight-character alphanumeric User ID that identifies the Client Automation user. This must be the enterprise User ID that is already administered and authenticated by security software at your site. Eight-character Client Automation User ID.		8 V
ZCONFIG	**Collect Hardware Information [Y/N]:** Specify Y to allow hardware auditing information to be collected from the user's desktop. Specify N, and you will not be able to audit hardware assets. Note that this attribute value does not specify what is audited on a user's desktop, only that it can be.	Y	1 V
ZDLIMIT	**Maximum Disk Space**	0	11 V
ZGRPINFO	**Gather Group Membership Information [Y/N]**	N	1 V
ZOBJPFUE	**Free Unused Pool Elements**	Y	1 V
ZOBJPTCH	**Perform Patching [Y/N]**	N	1 V
ZPRIORIT	**Execute Priority:** For multiprocessing platforms, establishes the priority at which the agent connect process will execute Create methods. Numeric value between 1 and 99.	000	3 V
ZSETMSGA	**Send Message to Audit Resource:** If you insert (Y) in the ZAUDIT attribute (above), this value will determine the auditing process frequency: HOURLY, DAILY, MONTHLY.	DAILY	8 V
ZSHOW	**Display Status Indicator [Y/N]:** Enables or disables batch indicator bars. **Y** = Display batch indicator bars. **N** = Do not display batch indicator bars.	N	1 V
ZTIMEO	**Client Time-out (seconds):** Time that the Agent will wait for Configuration Server response, before the agent program is deactivated (timed out). Numeric value between 0 and 240 (in	240	3 V

	seconds).		
ZTRACE	**Trace On or Off [Y/N]:** Enables log to include communications buffer information; also generates unique logs for create methods. **Y** = Trace on **N** = Trace off	N	1 V
ZTRACEL	**Trace Log Level [0-999]:** Level of tracing generated in the client log files. **0** = none **40** = acceptable for most activity **999** = maximum	040	3 V
ZVERDT	**Verify Desktop [Y/N]:** Use this variable to verify that user has all of his links and desktop settings. **Y** = Verify desktop, registry, and ini files **N** = Do not verify	Y	1 V

Workgroups (WORKGRP) Class

File:	PRIMARY	Description:	Use to group subscribers into functional groups. For example, a project team may be made up of subscribers from several different departments.
Domain:	POLICY		
Class:	WORKGRP		
Icon:		Can connect to:	COUNTRY, DEPT, ZSERVICE, STAGER, HTTP, MULTCAST

WORKGRP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
_ ALWAYS_	**Offers:** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
_ ALWAYS_	**Utility Resolution Method:** Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST.		50 M
NAME	**Friendly Name**		80 V

ZSTOP	**Stop Resolution Expression:** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

Chapter 10

The SECURITY Domain

The SECURITY Domain contains the tools that are used to collect vulnerability management information from devices in your environment. Once collected, this information is available for reporting purposes. See the *Radia Client Automation Enterprise User Guide* for more information.

Alert/Defer (ALERTDEF) Class

File:	PRIMARY	Description:	Use an instance of the ALERTDEF Class to define an application alert message or deferral.
Domain:	SECURITY		
Class:	ALERTDEF		
Icon:		Can connect to:	ZSERVICE

ALERTDEF Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALERTMSG	**Alert Message (! = High Priority)** An exclamation point (!) preceding "Service Alert Message" denotes a high priority message.		100 V
DM	**Alert Mode [I/U/B]** Set to **I** for Install. Set to **U** for Update. Set to **B** for either Install or Update.	B	1 V
DN	**Number of deferrals allowed** Maximum number of deferrals allowed before the action specified in DM (Alert Mode) is taken.	0	2 V
DT	**Network Threshold** Network bandwidth threshold in bytes.	86000	12 V
DBT	**Below Threshold Alert Size (bytes)**	50000	12 V
DAT	**Above Threshold Alert Size (bytes)**	0	12 V

DTO	**Alert Timeout (in seconds)** Specify in seconds the amount of time to display the Defer Alert dialog box. After the timeout is reached, the action specified in the DA (Action on timeout) variable, will be taken.	120	4 V
DA	**Action on timeout Cont/Defer [C/D]** Specify C to continue with the specified action if the subscriber does not respond to the defer alert dialog box by the value specified in the DTO (Alert Timeout). Specify D to defer the specified action.	C	1 V
DI	**Allow Install Deferral up to [DATE]** After this date is reached, the option to defer installation will no longer be available. The application will be installed. This should be in the format YYYYMMDD.	NA	20 V
DU	**Allow Update Deferral up to [DATE]** After this date is reached, the option to defer installation will no longer be available. The application will be updated. This should be in the format YYYYMMDD.	NA	20 V
NAME	**Friendly NameFriendly Name for the instance.**	Default	80 V
DEPOPTNS	**Defer Options (Do Not Modify)** This attribute is used to resolve the values of the other attributes of this class. *Do not modify*.	&(DM),&(DN),&(DT), &(DBT),&(DAT), &(DTO),&(DA), &(DI),&(DU)	12 V

Application (ZSERVICE) Class

File:	PRIMARY	Description:	Use an instance of the ZSERVICE Class to define an application and its characteristics to Client Automation. An instance of the ZSERVICE Class always includes the resource files that comprise it.
Domain:	SECURITY		
Class:	ZSERVICE		
Icon:		Can connect to:	PACKAGE, FILE, BEHAVIOR, DIALOG, DEPT, WORKGRP, TIMER, VGROUP, STAGER, HTTP, EXECUTE, ZSERVICE, PDACONFG

ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base	Length Type

		Instance	
ALWAYS	**Contains** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Contains** An _ALWAYS_ class connection is always resolved. An Includes connection is used to express inter-package relationships.		50 I
ALWAYS	**Utility Resolution Method** Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST.		51 M
ADAPTIVE	**Auto Adaptability [Y/N]** Indicates whether the installed package is dependent on client settings that must be monitored periodically. If the settings change, the client must reconnect to the Configuration Server to get new or different components. Useful for plug-and-play services.		1 V
AUTHOR	**Author Name** Name of the author of the service that appears in the properties for the service in the Service List.		50 V
BDELETE	**Service Pre-Delete Method** Method to run before deleting the service.		100 M
BREPAIR	**Service Pre-Update Method** Method to run before updating the service.		100 M
BUPDATE	**Service Pre-Repair Method** Method to run before repairing the service.		100 M
CACHE	**App Element Caching [Y/N]**	N	1 V
CACHELIM	**Percent Disk Limit for Cache** Cache limit, which is defined as the percentage of used drive space. Type a number between 000 and 100. **Note:** Used for Windows Installer applications only. If the percentage of used space is greater than the cache limit, then all of the cached files for the product are removed and the cache folder is deleted. This is checked after every file is cached on the disk.	000	3 V
CACHELOC	**CACHE Location on Client** ~~For Windows Installer applications only~~. Location of the folder on the agent computer that is used to cache the compressed application files needed for the product. RCA support for Windows Installer tags the PRODGUID value to this value to create the folder. For example, If `CACHELOC=c:\progra~1\HP`, and	_	254

	Note: The folder name `\cache` is automatically appended to PRODGUID. If you are not deploying a Windows Installer-enabled application, the files will be cached in IDMDATA.	UNDEF_	V
CATGROUP	**Catalog Group Name** Type a name for the catalog to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		30 V
COMPSIZE	**Application Size – Compressed** The size of the compressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface.Cumulative value of the COMPSIZE defined in the PACKAGE Class.		12 V
DELDATE	**Delete Date** Indicates when the application was removed (in local time) from the agent computer. The Agent manages and maintains this attribute.		32 V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).		100 V
ERTYPE	**Event Reporting Method [O/E/X]** Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server. **O** = Object Currently supports object format only.	O	1 V
EVENTS	**Events to Report** Indicates which events to report on. **Event to report on:AI** = Application Install **AD** = Application De-install **AU** = Application Update **AR** = Application Repair **AV** = Application Verify **VA** = Version Activation **VD** = Version Deactivation What (about the event) to report on: **S** = Success **F** = Failure **B** = Both Success and Failure **N** = None	AI=B AD=B AU=B AR=B AV=F VA=B VD=B	50 V
INSTDATE	**Installed Date** Indicates when the application was installed (in local time) on the agent computer. The Agent manages and maintains		32 V

	this attribute. The date is in text form, as in: Jan 28, 1998 16:10:00.		
ITEMS	**Number of Component Instances** Cumulative numeric value of the component instances of all the attached packages. (See ITEMS from PACKAGE Class.)		7 V
LREPAIR	**Local Repair [Y/N]** Enables local repair of broken applications. If an application is broken because of missing files, the files (stored locally) can be used to repair the application.		1 V
MCELIGBL	**Service Multicast Eligible [Y/N]** Indicates if the application is eligible for multi-casting.	Y	1 V
NAME	**Friendly Name** Friendly name for the service. This appears in the properties for the service in the Service List.		80 V
OWNER	**Application Contact** Package owner, as documented by the Admin Publisher.		50 V
PRICE	**Price** Type the price of an application to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		10 V
PUBDATE	**Published Date of Service** Date service was published.		32 V
REBOOT	**Install/Update/Delete/Version Change** Used to restart the agent computer after the service is installed. Event to report on: **AI** = Install **AD** = Deinstall **AU** = Update **AR** = Repair **AV** = Verify Type of reboot: **S** = Soft Boot (Default of type **Y** panel.) **H** = Hard Boot (Default of type **A** panel.) **N** = None **Type of panel:** **Q =** No panel. **A = OK** button only. **Y = OK** and **Cancel** button. **Type of connect:** **None specified:** Reboot on Machine connect (context = m). **U** = reboot on user connect only (context = u). **MU =** reboot when both machine and user parts of the		64 V

	service have been installed. **Example:** AI=S performs a soft boot on application installation.		
RECONFIG	**Reconfiguration Enabled [Y/N]** Indicates whether an application can be relocated after it has been installed.		1 V
REMOVAL	**Un-Managed Behavior [A/D/U]** Controls removal of the service. **If ZVCMO is set to M, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **If ZVCMO is set to O, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **U** = Unmanage (does not delete the objects or components)	D	1 V
RSTRSIZE	**Download Restart Threshold (in bytes)** Use the RSTRSIZE attribute in the appropriate ZSERVICE Class instance to control which files are enabled for check point restart based on the amount of data being downloaded (in bytes). This is for Windows Installer-Enabled Applications (MSI)	0	11 V
RUNDLG	**Dialog Processing [Y/N]** Specifies whether to enable processing of dialog boxes during the installation of the service.	N	1 V
RUNLEVEL	**Runlevel Support for UNIX**.		1 V
SCHEDOK	**Update Schedule Locally [Y/N]** Specifies whether the subscribers are allowed to change the update schedule for the service locally. **Y** = Subscriber is allowed to change the schedule. **N** = Configuration Server controls the update schedule.		1 V
SIZE	**Application Size – Uncompressed** The size of the uncompressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface.		12 V
THROTYPE	**[ADAPTIVE/RESERVED/NONE/]** Type of Bandwidth throttling to use. Set to **ADAPTIVE** to yield to other services that are using the network. Set to **RESERVED** to allow for a specific reservation of the bandwidth. It is the maximum percentage of network bandwidth to use. Set to **NONE** for no bandwidth throttling, and use the		8 V

	maximum available bandwidth. **NONE** is the default.		
UIOPTION	**Progress Indicator [NONE/FULL/INFO]** Controls whether the status window appears. **NONE** = No interface appears. **FULL** = Interface appears and **Cancel** button is available. **INFO** = Interface appears with no option to cancel.		4 V
UIOPTMSI	**MSI Progress Indicator [NONE/FULL/INFO]** Controls whether the MSI status window appears. **NONE** = No interface appears. **FULL** = Displays what is happening on the agent computer and provides the subscriber with controls to make changes. **INFO** = Displays what is happening on the agent computer, but disables all the controls so that the subscriber cannot make any changes. See the Setup log files and Event Viewer for warnings, errors, successes, failures, and other details.		
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		32 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the RCA user after the dialogs have been installed. This date can be used for reporting purposes. The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
URL	**WEB URL Name** Address of a Web page where the subscriber can find additional information about the service.		100 V
VENDOR	**Vendor Name** Name of the vendor of the service.		24 V
VERDATE	**Verified Date of Service**Indicates when the application was last verified (in local time) on the agent computer. The Agent manages and maintains this attribute.		32 V
VERSION	**Version Description** Version of the software. This appears in the properties for the service in the Service List.		50 V
ZAVIS	**Available, Verified, Installed, Sync F** The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown	YXNX	4 V

	The four states are: **Available** indicates whether a service is available from the Configuration Server. **Verified** indicates whether a service has been verified. **Installed** indicates whether the service has been installed. **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.		
ZBITARCH	**Target Bit Architecture [/32/64]** Set to 32 to deploy to 32-bit architectures. Set to 64 to deploy to 64-bit architectures. Set to blank to deploy to all architectures.		8 V
ZBWAPCT	**Adaptive Percentage** Adaptive minimum percentage of bandwidth used when using bandwidth throttling.		3 V
ZBWPCT	**Reserved Percentage** Reserved maximum percentage bandwidth used when using bandwidth throttling.		3 V
ZCONTEXT	**Component Context [M/U]**		8 V
ZCREATE	**Service Installation Method** RCA-supplied method or fully qualified, user-defined method.		255 M
ZDELETE	**Service Delete Method** RCA-supplied method or fully qualified, user-defined method.		255 M
ZDISCONN	**Disconnect on Install [Y/N]** Allows the client to disconnect from the Configuration Server if there is an open session with the Configuration Server. **Y** = Disconnects the client from the Configuration Server. **N** = Does not disconnect from the client from the Configuration Server.	Y	1 V
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		100 M
ZREPAIR	**Service Repair Method** Name of the method to repair the service.		255 M
ZSTOP000 to ZSTOP002	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		100 E
ZSTOP999	**Stop Unless Radia Connect**		50

			E
ZSVCCAT	**Service Visible in Catalog? [Y/N]**		1 V
ZSVCCSTA	**Service Status on Client (999)** Status code for the service that leads you to the reason why files for a service may not be deployed correctly. **000** = All actions for service completed. **008** = At least one resource had a writer error. **014** = No disk space for at least one resource. **015** = ZDLIMIT exceeded for at least one resource. **024** = A method timed out. **036** = A create method set ZBRC>7. **900** = Not all files were verified. No work done for service.	999	3 V
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the Agent. If you are using Client Automation Application Manager *and* Application Self-service Manager, you could also specify mandatory and then optional, **MO**, or optional then mandatory, **OM**. The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.	O	1 V
ZSVCMODE	**Application Context [M/U/MU]** Specifies whether the service is to be installed in the Machine or User context. **M** = Machine **U** = User		2 V
ZSVCNAME	**Service Name/Description**	Unknown Service	24 V
ZSVCPRI	**Service Create Ordering [01-99]** Enables you to specify a priority level for this service. If disk space on the agent desktop is not available, services will be downloaded based on the priority level set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		2 V
ZSVCTTYP	**Application Target Type [A/S]** Indicates which Agent will receive this application. **A** = Application Manager **S** = Application Self-service Manager		2 V
ZSYSACCT	**Install Under System Account [Y/N/M]** Specifies whether to install the service under the system account or the user's account. **Y** = The application is installed using the system rights.	Y	1 V

	N = The application is installed using the rights of the user who is logged on. **M** = The application is installed using the system rights if the current connect is in the machine context (context =m).		
ZUPDATE	**Service Update Method** RCA-supplied method or fully qualified, user-defined method.		255 M
ZVERIFY	**Service Verify Method**		255 M

Application Control Class (APPCNTRL)

File:	PRIMARY	Description:	The Application Control Class is used to publish and execute Application Management Profiles (AMPs). For additional information on using AMPs, see the *Radia Client Automation Enterprise Application Management Profiles User Guide* .
Domain:	SECURITY		
Class:	APPCNTRL		
Icon:		Can connect to:	

Application Control Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
AUTHOR	**Author Name**		255 V
PMODDT	**Parent Modified date/time (ISO8601)**		32 V
PCREDT	**Parent Created date/time (ISO8601)**		32 V
MODDT	**Modified Date/Time (ISO8601)**		32 V
CREDT	**Created Date/Time (ISO8601)**		32 V
TITLE	**Title**		255 V
TYPE	**Type of Profile [CAP/MAP]**		8 V
LANGUAGE	**Language**		8

			V
SCEMAVER	**Schema Version**		32 V
REVISION	**Revision**		32 V
PRODUCT	**Product Name**		255 V
PRODVER	**Product Version**		32 V
ZRSCCFIL	**File Name**		255 V
LOCATION	**Resource Location**		255 V
ZRSCSIZE	**Resource Size**		12 V
ZRSCTYP	**Resource Type**		32 V
ZRSCSIG	**Resource**		32 V
SIGTYPE	**Signature Type**		5 V
ZRSCRSTR	**Restart options**		1 V
ZCMPSIZE	**Resource compressed size**		12 V
ZRSCDATE	**Resource Date**		8 V
ZRSCTIME	**Resource Time**		8 V
ZRSCVRFY	**Verify options**		32 V
ZRSCCRC	**Resource CRC**		8 V
ZSTATUS	**Instance Status**	999	3 V
ZOBJPRI	**Instance Priority**		3 V

ZCONTEXT	**Instance Context**		1 V

Application Packages (PACKAGE) Class

File:	PRIMARY	Description:	The PACKAGE Class contains an instance with associated references used to identify an application component model. An administrator uses the Admin Publisher to create a package instance.
Domain:	SECURITY		
Class:	PACKAGE		
Icon:		Can connect to:	DESKTOP, FILE, PATH, MSIFEATES, MSI, PACKAGE, PDACONFG, REGISTRY

PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Package Includes** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BEHAVIOR	**Behavior** Includes connection to BEHAVIOR Class instances		255 I
COMPSIZE	**Package Compressed Resource Size** Compressed size of package (in bytes).		12 V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).		255 V
DESKTOP	**Desktop** Includes connection to DESKTOP Class instances.		255 I
FILE	**File** Includes connection to FILE Class instances.		255 I
INCLUDES	**Package Includes** Generic Includes connection.		50 I

ITEMS	**Number of Component instances** Number of component instances in a package at time of publishing.		7 V
NAME	**Friendly Name**		80 V
OWNER	**Application Contact** Package owner, as documented by the Admin Publisher.		80 V
PATH	**Path** Includes connection to PATH Class instances.		255 I
PKGNAME	**Package Name**		80 V
REGISTRY	**Registry** Includes connection to REGISTRY Class instances.		255 I
RELEASE	**Package Release** Release level of the package, as documented by the Admin Publisher.		80 V
REQUIRES	**Required Package Level** Generic Requires connection.		80 R
SIZE	**Package Resource Size– Uncompressed** Size of package (in bytes).		12 V
UNIXFILE	**UNIX File** Includes connection to UNIXFILE Class instances.		255 I
ZBITARCH	**Target Bit Architecture [/32/64]** Set to 32 to deploy to 32-bit architectures. Set to 64 to deploy to 64-bit architectures. Set to blank to deploy to all architectures.	_ UNDEF_	8 V
ZSTOP000 to ZSTOP003	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

Auto Run (EXECUTE) Class

File:	PRIMARY	Description:	An instance of the EXECUTE Class defines a file, or a group of files, that will be launched after an application has been installed on the agent desktop.

Domain:	SECURITY		
Class:	EXECUTE		
Icon:		Can connect to:	

EXECUTE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ARGUMENT	**Arguments passed to the program** Stores the arguments that have to be passed to the program to be launched.		255 V
EXECPATH	**Fully qualified executable name** Stores the fully qualified name of the executable to be launched after an application install.		255 V
WORKDIR	**Starting Directory** Stores the name of the directory/folder from which the executable is started.		255 V
ZCREATE	**Create Method** Stores the Client Automation method name that is used to create a list of programs that need to be executed after an application is installed.	EXECUTE	50 M
ZDELETE	**Delete Method** RCA-supplied method or fully qualified, user-defined method.	EXECUTE	50 M
ZVERIFY	**Verify Method**	EXECUTE	50 M

Behavior Services (BEHAVIOR) Class

File:	PRIMARY	Description:	Defining an instance of the BEHAVIOR Class lets you define a file, or a group of files, to include in an application service. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Domain:	SECURITY		
Class:	BEHAVIOR		
Icon:		Can connect to:	PACKAGE

BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
LOCATION	**Location**		255 V
NAME	**Friendly Name** Name that appears in the CSDB Editor for this class.		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
ZCMPKEY	**Compression Key** Not used.		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Behavior** Name of method to install a resource file. RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Behavior** RCA-supplied method or a fully qualified, user-defined method.	EDMREMF	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 V
ZINIT	**Resource Initialization Method** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.	EDMLKM	50
ZRSCCFIL	**Behavior File Name**		255

			V
ZRSCCKPT	**Resource Checkpoint:** Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	N	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status** Resource status code. **000** = Successfully downloaded **001** = Data can be found in EDMDATA directory **004** = Resource with no data **008** = Could not create the file **009** = No disk space for file (ZRSCMO=O) **010** = ZDLIMIT was exceeded (ZRSCMO=O) **011** = No data in HPCA for resource **014** = No disk space (ZRSCMO=M) **015** = ZDLIMIT was exceeded (ZRSCMO=M) **024** = Time-out waiting for method. **036** = A method was set ZBRC>7 **999** = No work done for resource	999	3 V
ZRSCDATE	**Behavior Date Stamp** Date stamp on resource file from promote process. A value up to eight digits long.		8 V
ZRSCMDAT	**Manager Stores Data [Y/N]**	Y	1 V
ZRSCMMEM	**PDS Member Name** PDS where resource actually resides. PDS name where resource resides in Manager (MVS only).		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Behavior Name** Name or description of resource. Valid name of resource to distribute to the Agent.	&ZRSCCFIL	30
ZRSCOBJN	**Persistent Object Name** The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE.		8 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource.	10	2 V

	01 = Highest priority **10** = Default value **99** = Lowest priority		
ZRSCRASH	**DOS File Attribute [R/A/S/H]** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem **H**idden.		4 V
ZRSCRSTR	**Restart [Y/N]** You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	**Behavior Size** Byte count of resource file from promote process. A value up to 11 digits long.		11 V
ZRSCSRC	**Resource Source,that is Publisher**		20 V
ZRSCSRC	**Resource Source**		1 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]** File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Enables you to skip the reactivation of version resources if the version is already active. **Y** = Skip the rebuilding of version resources **N** = Rebuild version resources	Y	1 V
ZRSCTIME	**Behavior Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both Client Automation- and non-RCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.) Thus, you must specify Y or N for an existing file to be	Y	1 V

	distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway.		
	What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if		

	System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	**Client Instance Update Method** If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M
ZUSERID	**Admin ID**		30 V

Class Defaults (METACLAS) Class

File:	PRIMARY	Description:	An instance of the METACLAS Class defines prerequisites.
Domain:	SECURITY		
Class:	METACLAS		
Icon:		Can connect to:	PACKAGE

METACLAS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
CCREATE	**Client Install Method**		128 V
CDATAUPD	**Client File Update/Add Method**		128 V
CDELETE	**Client De-install Method**		128 V
CERROR	**Client Error Method**		128 V
CINIT	**Client Initialization Method**		128 V

COPENERR	**Client Method on File Open Error**		128 V
CUPDATE	**Client Update Method**		128 V
CVERIFY	**Client Verify Method**		128 V
NAME	**Friendly Name**		80 V

Desktop (DESKTOP) Class

File:	PRIMARY	Description:	Instances of this class specify those resources which are icons appearing in the Windows environment. The attributes of this class also specify the properties of the Client Automation resources. Some of the icons could store just-in-time executables, which would be updated by connecting to the Configuration Server before they are run.
Domain:	SECURITY		
Class:	DESKTOP		
Icon:		Can connect to:	CATALOG, ZSERVICE

DESKTOP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
JITARGS	**Application Manager Arguments** Stores the arguments to be passed to the just-in-time executable.		255 V
JITLNK	**Application Manager Installation [Y/N]**		1 V
JITPATH	**Application Manager Path** Stores the fully qualified name of the just-in-time executable. Should be a fully qualified path name with the drive and directory. If the directory name contains embedded spaces then the whole value should be in double quotes, e.g., "`c:\program files\HP\test.exe`".		255 V
MACHUSER	**Machine User**		32

			V
NAME	**Friendly Name**		80 V
VERIFY	**Verify [Y/E/N]**		1 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Create Link** RCA-supplied method or fully qualified, user-defined method.	RADCLNK	50 M
ZDELETE	**Method to Delete Link** RCA-supplied method or fully qualified, user-defined method.	RADDLNK	50 M
ZINSTALL	**Method CLNK Processing [Y/N]** Stores if the links/icons have to be installed.		1 V
ZOBJPRI	**Priority [09-99]**	60	2 V
ZPUBVER	**Publisher Version**	_UNDEF_	8 V
ZRSCLFIL	**Link Path** Stores the fully qualified name for the link. The links are usually created in the Windows folder, which might appear in different drives for different users. The Windows system directory is usually stored in the ZMASTER object in ZWINDRV & ZWINDIR variables.. A special variable, $NTUSER$, can be used to distinguish between different user directories. This variable is interpreted by the EDMCLNK create method to store the value of the current user.		255 V
ZRSCMO	**Mandatory/Optional [M/O]**	o	1 V
ZSTATUS	**Client Status**	999	3 V
ZW95ARGS	**Command Line Parameters** Stores the arguments to be passed to the executable specified in the ZW95PATH field.		255 V
ZW95DESC	**Icon Description** A brief description for the icon/link.		60 V
ZW95HOTK	**Hot Key Assigned by MS Windows**		12 V

ZW95ICON	**Icon File**		128 V
ZW95INDX	**Index of Icon**		60 V
ZW95PATH	**Command Line** Stores the name of the executable associated with this icon/link.		128 V
ZW95SHOC	**Visibility Flag [00000000/00000001]**	00000001	8 V
ZW95WDIR	**Working Directory** Stores the starting directory for the program associated with the icon or link. Should be a fully qualified path name with the drive and directory. If the directory name contains embedded spaces then the whole value should be in double quotes, e.g., "`c:\program files\HP`".		50 V

Dialog Services (DIALOG) Class

File:	PRIMARY	Description:	Defining an instance of the DIALOG Class lets you define an install process for an application and its characteristics to Client Automation. An instance of the DIALOG Class always includes the resource files that comprise it, which could be either the panels or scripts. The panels and scripts are used to initiate an interactive session, to gather information pertinent to installing a particular application.
Domain:	SECURITY		
Class:	DIALOG		
Icon:		Can connect to:	BEHAVIOR, INSTALL, PACKAGE, PANEL

DIALOG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Utility Resolution Method** Any method you specify for this attribute is unconditionally executed by RCA when this object is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST.		51 M

AUTHOR	**Author Name** Name of the author of the dialogs.		50 V
CATALOG	**Catalog Name** The catalog name for this dialog.	&(CATALOG. CATNAME)	32 V
COMPSIZE	**Application Size- Compressed** Stores the compressed size of all the dialog components (informational).This value is filled in by the Admin Publisher or packager when the dialogs are stored in the CSDB.		12 V
DESCRIPT	**Application Description** Description of the dialog that appears in the properties for the service in the Service List. Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).		255 V
INSTDATE	**Installed Date** Stores the date and time when the dialog was installed on the client desktop. This value is set by the RCA user after a dialog has been installed. It is useful for reporting purposes. (informational). The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
NAME	**Friendly Name** Stores the dialog name.		80 V
PRICE	**Price**		10 V
PUBDATE	**Published Date of Service** Date service was published.		32 V
SCHEDOK	**Update Schedule Locally [Y/N]** Specifies whether the subscribers are allowed to change the update schedule for the service locally. **Y** = Subscriber is allowed to change the schedule. **N** = Configuration Server controls the update schedule.		1 V
SIZE	**Application Size - Uncompressed**		12 V
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		12 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the RCA user after the dialogs have been installed. This date can be used for reporting purposes. The date		12 V

URL	**WEB URL Name** Stores the address of a Web page, where additional information is available about this application. **http://www.company_name.com**		255 V
VENDOR	**Vendor Name**		24 V
VERDATE	**Verified Date of Service**		32 V
ZAVIS	**Available, Verified, Installed, Sync F** The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: **Available** indicates whether a service is available from the Configuration Server. **Verified** indicates whether a service has been verified. **Installed** indicates whether the service has been installed. **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.	YXNX	4 V
ZCREATE	**Service Installation Method** RCA-supplied method or fully qualified, user-defined method.	50 M	
ZDELETE	**Service Delete Method** RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		50 M
ZSVCCONF	**Confirm Service Install [Y/N]** Enables you to confirm the service was downloaded.	N	1 V
ZSVCCSTA	**Service Status on Client (999)** Service status code. **000** = All actions for service completed **008** = At least one resource had a writer error **014** = No disk space for at least one resource **015** = ZDLIMIT exceeded for at least one resource **024** = A method timed out **036** = A create method set ZBRC>7	999	3 V

	900 = Not all files were verified. No work done for service		
ZSVCINST	**Service Installation Date/Time**		32 V
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager *and* Application Self-service Manager, you could also specify mandatory and then optional, **MO**, or optional then mandatory, **OM**. The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.	M	1 V
ZSVCNAME	**Service Name/Description** Name of the service, e.g., VB Calculator.		24 V
ZSVCPRI	**Service Create Ordering [01-99]** Enables you to specify a priority level for this service. If disk space on the agent desktop is not available, services will be downloaded based on the priority level set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		2 V
ZSVCSEL	**Update Force Bypass Remove [U/F/B/R]** If ZSVCMO is optional, this attribute can be Update, Force, Remove, or Bypass. **U**pdate **F**orce **R**emove **B**ypass		1 V
ZSVCUPD	**Service Update Date/Time**		32 V
ZSVCVERS	**Version Activation Level** Version number of resources or service from the promotion process.		12 V
ZUPDATE	**Service Update Method** RCA-supplied method or fully qualified, user-defined method.		50 M

File Resources (FILE) Class

File:	PRIMARY	Description:	An instance of the FILE Class defines a file, or a group of files, to include in an application service. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Domain:	SECURITY		
Class:	FILE		
Icon:		Can connect to:	

FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
FVERSION	**File Version**	_UNDEF_	30 V
LOCATION	**Location** Stores the location of the file. The location of the drive and directory is encapsulated in the PATH object. The value is filled by the packager/publisher and contains value of the form **&P(D001ABCDEF01_12345678)**, which is an indirect reference to the PATH object. The **&P** triggers a special kind of variable substitution which looks for the drive and directory from the PATH object.		255 V
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PVERSION	**Promote Version**	_UNDEF_	30 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key** Not used.	_UNDEF_	80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option		11 V

	was selected. The size of the compressed file.		
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.	RADREMF	50 M
ZFILEUPD	**Client File Update/Add Method** Method that is executed if a file has been updated by an administrator. RCA-supplied method or fully qualified, user-defined method		50 M
ZINIT	**Resource Initialization Method** RCA-supplied method or fully qualified, user-defined method.		50 M
ZOBJPATCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or fully qualified, user-defined method.	RADLKM	50 M
ZPUBVER	**Publisher Version**	_UNDEF_	8 V
ZREPAIR	**Client Instance Repair Method**		50 M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint** Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status** Resource status code.	999	3 V

	= Data can be found in EDMDATA directory **004** = Resource with no data **008** = Could not create the file **009** = No disk space for file (ZRSCMO=O) **010** = ZDLIMIT was exceeded (ZRSCMO=O) **011** = No data in HPCA for resource **014** = No disk space (ZRSCMO=M) **015** = ZDLIMIT was exceeded (ZRSCMO=M) **024** = Time-out waiting for method **036** = A method was set ZBRC>7 **999** = No work done for resource		
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMMEM	**PDS Member Name** PDS where resource actually resides. PDS name where resource resides in Manager (MVS only).		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name** Name or description of resource. Valid name of resource to distribute to client.	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name** The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE. A valid in-storage object name.		8 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem and/or **H**idden		4 V
ZRSCRSTR	**Restart [Y/N/R]** Restart a download process at the point it was	N	3 V

	Set to (R) to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).		
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher** Stores the source of the resource: If resource was retrieved from Configuration Server, the value would be M. If resource existed on the desktop, the value would be E. If resource was retrieved from Stager, value would be S. These values are filled in by the RCA user during an application installation. When the user uninstalls an application, only the files that were retrieved from the Configuration Server or the Staging Server would be deleted. The files that existed on the desktop prior to an application install would not be deleted.		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]** File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Enables you to skip the reactivation of version resources if the version is already active. **Y** = Skip the rebuilding of version resources **N** = Rebuild version resources		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both Client Automation- and non-RCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.) Thus, you must specify Y or N for an existing file to be distributed.	Y	1 V

	Y = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N =** The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E =** The file will be distributed only if it does not currently exist on the desktop. **M =** Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced.		
	Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY		

	attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	**Client Instance Update Method** If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M

HTTP Proxy (HTTP) Class

File:	PRIMARY	Description:	
Domain:	SECURITY		
Class:	HTTP		
Icon:		Can connect to:	

HTTP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
HTTPADDR	**WEB Server Host**		255 V
HTTPLOG	**HTTP Transaction Log [Y/N]**	N	1 V
HTTPNVDS	**Using Novadigm HTTP Server**	N	1 V
HTTPPORT	**Web Server Port**	80	4 V
HTTPROXO	**Use Web server if proxy fails**	N	1 V
HTTPROXP	**Proxy Server Port**	80	4 V
HTTPROXY	**Proxy Server Host**		255 V
HTTPVDIR	**Web Server Virtual Directory**	/RADIADB	255 V
ZPCPROTL	**Protocol [HTTP]**		4 V
ZSTGOPT	**Enable Staging**	1	1 V

IBM AIX Packages (AIX) Class

File:	PRIMARY	Description:	AIX operating systems only. This class is required by the Native Packaging Feature of the Batch Publisher.
Domain:	SECURITY		
Class:	AIX		
Icon:		Can connect to:	

AIX Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 A
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
COMMIT	**Commit Update [Y/N]**	N	1 V
COREQ	**AIX Package Corequisites**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
FORCE	**Force (overwrite) installation [Y/N]**	N	1 V
IFREQ	**AIX Package If-Requisites**		255 V
INSTREQ	**AIX Package Installed Requisites**		255 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V

PKGDESC	**Package Description**		80 V
PREREQ	**AIX Package Prerequisites**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.	hide nvdkit method	60 M
ZDELETE	**Method to De-Install resource**	hide nvdkit method	50 M
ZFILEUPD	**Client File Update/Add Method**		50 M
ZINIT	**Resource Initialization Method**		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGUID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Method to Repair Resource**	hide nvdkit method	60 M
ZRSCCFIL	**AIX Package File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE _ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]**	Y	1 V
ZRSCCRC	**Resource CRC**		8 V
ZRSCCSTA	**Client File Status**	999	3

			V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCFLEV	**Filesets + Levels**		255 V
ZRSCFSET	**Filesets in the Package**		255 V
ZRSCMO	**Mandatory/Optional on client [M/O]**	M	1 V
ZRSCNAME	**AIX Package Name**	_BASE _ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCSRC	**Resource Source, i.e. Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVERS	**Resource Version – From Promote**		12 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	8 V
ZSTATUS	**Client Status**	999	3 V

ZUPDATE	**Client Instance Update Method**	hide nvdkit method	60 M
ZVERIFY	**Method to Verify Resource**	hide nvdkit method	40 M

Install Options (INSTALL) Class

File:	PRIMARY	Description:	Defining an instance of the INSTALL Class lets you activate and configure the presentation of dialog panels which are used for the purposes of personalizing the delivery of an application along with its associated components.
Domain:	SECURITY		
Class:	INSTALL		
Icon:		Can connect to:	

INSTALL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
APPNAME	**Application Name**		30 V
AUDIT	**Search for Application File [Y/N]**	N	1 V
COMP1SEL	**Component 1 Selected [Y/N]**	Y	1 V
COMP1TXT	**Component 1 Description**		20 V
COMP2SEL	**Component 2 Selected [Y/N]**	Y	1 V
COMP2TXT	**Component 2 Description**		20 V
COMP3SEL	**Component 3 Selected [Y/N]**	Y	1 V
COMP3TXT	**Component 3 Description**		20 V
COMP4SEL	**Component 4 Selected [Y/N]**	Y	1 V
COMP4TXT	**Component 4 Description**		20 V

COMPPIC	**Components Picture (bmp)**	&(WELCPIC)	12 V
COPYRITE	**Copyright Text**	@Copyright 1998	30 V
EULAPIC	**EULA Picture (bmp)**	&(WELCPIC)	12 V
EULATEXT	**End User License Agreement Text**	This software is protected by copyright laws. By accepting, you are agreeing with all terms included in the original program documentation.	200 V
IDIRNAME	**Install Directory Name**		100 V
IDIRPIC	**Install Directory Picture (bmp)**	&(WELCPIC)	12
KEYFILE	**Search for File Name**		12 V
NAME	**Friendly Name**		80 V
OPTS1SEL	**Option 1 Selected [Y/N]**	Y	1 V
OPTS1TXT	**Option 1 Description**		20 V
OPTS2SEL	**Option 2 Selected [Y/N]**	Y	1 V
OPTS2TXT	**Option 2 Description**		20 V
OPTS3SEL	**Option 3 Selected [Y/N]**	Y	1 V
OPTS3TXT	**Option 3 Description**		20 V
OPTS4SEL	**Option 4 Selected [Y/N]**	Y	1 V
OPTS4TXT	**Option 4 Description**		20 V
OPTSPIC	**Options Picture (bmp)**	&(WELCPIC)	12 V

SCANDRVS	**Search Drives**		32 V
SHOWCOMP	**Show Components [Y/N]**	N	1 V
SHOWEULA	**Show End User License Agreement [Y/N]**	Y	1 V
SHOWIDIR	**Show Install Directory [Y/N]**	N	1 V
SHOWOPTS	**Show Options [Y/N]**	N	1 V
SHOWTYPE	**Show Install Type [Y/N]**	N	1 V
SHOWUINF	**Show User Info [Y/N]**	N	1 V
SHOWWELC	**Show Welcome (N disables all) [Y/N]**	Y	1 V
TYPE1BTN	**Type 1 Button Caption**	Typical	10 V
TYPE1TXT	**Type 1 Description**	Program will be installed with the most common options. Recommended for most users.	100 V
TYPE2BTN	**Type 2 Button Caption**	Custom	10 V
TYPE2TXT	**Type 2 Description**	You may choose the options you want to install. Recommended for advanced users.	100 V
TYPE3BTN	**Type 3 Button Caption**		10 V
TYPE3TXT	**Type 3 Description**		100 V
TYPEPIC	**Install Type Picture (bmp)**	&(WELCPIC)	12 V
TYPESEL	**Type Selection**	Typical	10 V
UINF1LBL	**User Info 1**		12

			V
UINF1TXT	**User Info - Text 1**		30 V
UINF2LBL	**User Info 2 Label**		12 V
UINF2TXT	**User Info - Text 2**		30 V
UINF3LBL	**User Info 3 Label**		12 V
UINF3TXT	**User Info - Text 3**		30 V
UINFNAME	**User Info - Name**		30 V
UINFPIC	**User Info Picture (bmp)**	&(WELCPIC)	12 V
WELCPIC	**Welcome Picture (bmp)**	`instpic.bmp`	12 V
ZOBJDATA	**Search Operation is Scan [SCN]**	SCN	3 V
ZRSCCDIR	**Search Directory**	*\	255 V
ZRSCCDRV	**Search Drive**	&(ZMASTER.ZWINDRV)	19 V
ZRSCSTYP	**Search File Type [BINARY]**	BINARY	6 V

Linux RPM Packages (RPM) Class

File:	PRIMARY	Description:	Linux operating systems only. This class is required by the Native Packaging Feature of the Batch Publisher.
Domain:	SECURITY		
Class:	RPM		
Icon:		Can connect to:	

RPM Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 A
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
CONTENTS	**Required Packages Included in Tar**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
INSTOPTS	**Package Install Options**		60 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PKGARCH	**RPM Package Architecture**		32 V
PKGEPOCH	**RPM Package EPOCH**		32 V
PKGNAME	**RPM Package Name**		32 V
PKGREL	**RPM Package Release**		32 V
PKGSUMM	**RPM Package Summary**		100 V
PKGVER	**RPM Package Version**		32 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
REQCMDS	**Requires Commands**		255 V
REQLIBS	**Requires Shared Libraries**		255 V
REQPKGS	**Requires Package**		255 V
VRFYOPTS	**Package Verify Options**		60 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined	hide nvdkit method	60 M

	method.		
ZDELETE	**Method to De-Install resource**	hide nvdkit method	50 M
ZFILEUPD	**Client File Update/Add Method**		50 M
ZINIT	**Resource Initialization Method**		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.	RADLKM	50 M
ZPERGUID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Method to Repair Resource**	hide nvdkit method	60 M
ZRSCCFIL	**RPM Package File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE _ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]**	Y	1 V
ZRSCCRC	**Resource CRC**		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCMO	**Mandatory/Optional on client [M/O]**	M	1 V
ZRSCNAME	**RPM Package**	_BASE_ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCSRC	**Resource Source, that is Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V

ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVERS	**Resource Version – From Promote**		12 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	8 V
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**	hide nvdkit method	60 M
ZVERIFY	**Method to Verify Resource**	hide nvdkit method	40 M

Mac File Resources (MACFILE) Class

File:	PRIMARY	Description:	Mac operating systems only. An instance of the MACFILE Class defines a file, or a group of files, to include in an application service. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Domain:	SECURITY		
Class:	MACFILE		
Icon:		Can connect to:	

MACFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
LINKDEST	**Symbolic Link Destination**		80 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80

			V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.	RADREMF	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Client Instance Repair Method**		50 V
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was		8 V

ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name** Name or description of resource.	&ZRSCCFIL	30 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N/R]** Y to restart. Set to **R** to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	Y	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, that is Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag[Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V

ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both Client Automation- and non-RCA distributed files. (For example, a Client Automation-managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before, Or, the file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced.	Y	8 V
	Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the		

	internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number, then it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**		50 M

Mobile File Resources (RMMFILE) Class

File:	PRIMARY	Description:	Instances of this class are created when publishing files for Mobile Management using the Mobile Management Publisher.
Domain:	SECURITY		
Class:	RMMFILE		
Icon:		Can connect to:	

RMMFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
FVERSION	**File Version**	_UNDEF_	30 V
LOCATION	**Location**		255 V

NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PVERSION	**Promote Version**	_UNDEF_	30 V
SIGTYPE	**File Signature Type**		3 V
UPROIMPT	**User Prompt [Y/N]**	N	1 V
ZAPPNAME	**PDA Application Name**		50 V
ZCMPKEY	**Compression Key**	_UNDEF_	80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource**	RADREMF	50 M
ZFILEUPD	**Client File Update/Add Method**		50 M
ZINIT	**Resource Initialization Method**		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.	RADLKM	50
ZPDAVERS	**PDA Resource Internal Version**		20 V
ZPUBVER	**Publisher Version**	_UNDEF_	8 V
ZREPAIR	**Client Instance Repair Method**		50

			M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]**	Y	1 V
ZRSCCPADM	**Admin ID**		30 V
ZRSCCRC	**Resource CRC**		8 V
ZRSCCSTA	**Client file Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCMMEM	**PDS Member Name**		8 V
ZRSCMO	**Mandatory/Optional on Client [M/O]**	M	1 V
ZRSCNAME	**Resource Name**	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name**		8 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCRSCR	**Restart [Y/N]**	N	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8

			V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVERS	**Resource Version – From Promote**		12 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	8 V
ZUPDATE	**Client Instance Update Method**		50 M

MSI Basic Resources (MSIBASIC) Class

File:	PRIMARY	Description:	Packages created with the Extensions for Windows Installer have a connection to the MSIBASIC class in the CSDB. When the New Application Wizard is used to create a service from an application with one of these connections, you have the opportunity to define the MSI basic behavior methods.
Domain:	SECURITY		
Class:	MSIBASIC		
Icon:		Can connect to:	

MSIBASIC Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BCREATE	**Method Before Install**		50 M
BDELETE	**Method Before De-Install**		50 M
BREPAIR	**Method Before Repair**		50 M
BUPDATE	**Method Before Update**		50 M

BVERIFY	**Method Before Verify**		50 M
FVERSION	**File Version**	_UNDEF_	30 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V
PRODGUID	**MSI Product GUID**		50 V
PVERSION	**Promote Version**	_UNDEF_	30 V
SIGTYPE	**File Signature Type**		3 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource**	RADREMF	50 M
ZINIT	**Resource Initialization Method**		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZREPAIR	**Client Instance Repair Method**		50 M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit file name.		255 V
ZRSCCRC	**Resource CRC**		8 V

ZRSCCSTA	**Client file Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCMO	**Mandatory/Optional on Client [M/O]**	M	1 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCRSCR	**Restart [Y/N]**	N	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	8 V
ZUPDATE	**Client Instance Update Method**		50 M
ZVERIFY	**Client Instance Verify Method**		50 M

MSI Features (MSIFEATS) Class

File:	PRIMARY	Description:	An instance of the MSIFEATS Class defines MSI feature states.
Domain:	SECURITY		
Class:	MSIFEATS		
Icon:		Can connect to:	

MSIFEATS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ASTATES	**Allowed States**		100 V
DISABLED	**Disabled [Y/N]**		1 V
DSTATE	**Default State**		10 V
FEATID	**Feature ID**		38 V
FEATNAME	**Feature Name**		50 V
FEATSIZE	**Feature Size**		12 V
HIDE	**Hide Features in CP A/R Dialog**		1 V
ISTATE	**Install State**		10 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PARENTID	**Parent Feature ID**		38 V
SEQNO	**Sequence Number**		4 V

MSI Properties (MSIPROPS) Class

File:	PRIMARY	Description:	The MSIPROPS Class stores MSI public properties and their values.
Domain:	SECURITY		
Class:	MSIPROPS		
Icon:		Can connect to:	

MSIPROPS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DEFAULT	**Default Property Value**		255 V
DISABLED	**Disabled [Y/N]**		1 V
PROPNAME	**Property Name**		255 V
VALUE	**Property Value**		255 V
VERIFY	**Verify Property Value [Y/N]**	N	1 V

MSI Resources (MSI) Class

File:	PRIMARY	Description:	Instances in this class are used to define MSI resources.
Domain:	SECURITY		
Class:	MSI		
Icon:		Can connect to:	

MSI Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
DATAURL	**Administrative Control Point**		255 V
LOCATION	**Location**		255 V
MSIDRIVR	**Use Local AIP [Y/N]**		1 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
ORGNAME	**Organization Name**		100

			V
PRODGUID	**MSI Product GUID**	_UNDEF_	50 V
PRODVER	**Product Version**	_UNDEF_	10 V
SALVAGE	**Salvage Cache Files[U/M/B/N]** Salvage existing Windows Installer-enabled content. **U –** Unmanaged application salvage. Set to U if you want to salvage content that RCA is not currently managing. **M –** Managed application salvage. Set to M to salvage content that RCA is currently managing. **B –** Both. Set to B to salvage both managed and unmanaged applications. This is useful when you have clients with resources both managed and unmanaged by RCA. **N –** No content is salvaged.	N	1 V
SAVETEMP	**Preserve Internet Cache [Y/N]**	N	1 V
SEQNO	**Feature Sequence Number**		3 V
SHOWINCP	**Show in CP Add/Remove**	Y	1 V
SIGTYPE	**File Signature Type**		3 V
USERCNTL	**User Controls MSI Features [Y/N]**		1 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context [M/U]**		8 V
ZCREATE	**Service Installation Method** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Service Delete Method** RCA-supplied method or fully qualified, user-defined method.	_NONE_	50 M
ZFILEUPD	**Client File Update/Add Method**		50

			M
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.	_UNDEF_	50 M
ZPUBVER	**Publisher Version**		8 V
ZREPAIR	**Service Repair Method**		50 M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** **Y** enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMMEM	**PDS Member Name**		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name** Name or description of resource.	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name**		8 V
ZRSCPADM	**Admin ID**		30 V

ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**	N	4 V
ZRSCRSTR	**Restart [Y/N]**		3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, that is Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both RCA- and non-RCA distributed files. (For example, a Client Automation-managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed.		8 V

	The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before, Or, the file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced.		
	Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		

ZUPDATE	**Service Update Method**		50 M
ZVERIFY	**Service Verify Method**		50 M

Panel Services (PANEL) Class

File:	PRIMARY	Description:	The PANEL Class contains the Client Automation panel objects used during Client Automation installation dialog processing. This class contains shipping dialog panel examples. Publish all custom dialog panels to this class.
Domain:	SECURITY		
Class:	PANEL		
Icon:		Can connect to:	

PANEL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
ZCMPKEY	**Compression Key** Not used.		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Install Behavior** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Behavior**	RADREMF	50

			M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** RCA-supplied method or fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or fully qualified, user-defined method.	RADLKM	50 M
ZRSCCFIL	**Panel Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint** Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	N	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status** Resource status code. **000** = Successfully downloaded **001** = Data can be found in EDMDATA directory **004** = Resource with no data **008** = Could not create the file **009** = No disk space for file (ZRSCMO=O) **010** = ZDLIMIT was exceeded (ZRSCMO=O) **011** = No data in HPCA for resource **014** = No disk space (ZRSCMO=M) **015** = Time-out waiting for method **036** = A method was set ZBRC>7 **999** = No work done for resource	999	3 V
ZRSCDATE	**Panel Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMDAT	**Manager Stores Data [Y/N]**	Y	1 V
ZRSCMMEM	**PDS Member Name** PDS where resource actually resides. PDS name where resource resides in Manager (MVS only).		8 V

ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Panel Name** Name or description of resource. Valid name of resource to distribute to Agent.	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name** The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE.		8 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		2 V
ZRSCRASH	**DOS File Attribute** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem and/or **H**idden		4 V
ZRSCRSTR	**Restart [Y/N]** You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	**Panel Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, that is Publisher**		20 V
ZRSCSRC	**Resource Source**		1 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]** File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Enables you to skip the reactivation of version resources if the version is already active. **Y** = Skip the rebuilding of version resources. **N** = Rebuild version resources.	Y	1 V
ZRSCTIME	**Panel Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number		12

			V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both RCA- and non-RCA distributed files. (For example, a RCA-managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or ore of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced.	Y	1 V
	Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces		

	Windows System File Protection (SFP). If the verification is successful, theresource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	**Client Instance Update Method** If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M
ZUSERID	**Admin ID**		30 V

Path (PATH) Class

File:	PRIMARY	Description:	This class stores the drive and directory required to install a resource. Packages can be relocated by updating instances of this class.
Domain:	SECURITY		
Class:	PATH		
Icon:		Can connect to:	CATALOG, ZSERVICE

PATH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DIR	**Directory** Stores the directory name where the application is installed. The directory name could be selected by the administrator, or it could be selected by the client during the dialog sessions that precede an application install. The value can be substituted from an agent object, or it can be a fully qualified name.		255 V
DRIVE	**Drive** Stores the drive where the application would be installed. The drive name could be selected by the administrator or it could be selected by the client during the dialog sessions that precede an application install. The value can be substituted from an agent object, or it can be a valid drive name on the Agent machine.		20 V

NAME	**Friendly Name**		255 V
OBJGUID Path (PATH) Class	**Instance GUID** Object Global Unique Identification – *for future use.*	_ UNDEF_	32 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCPRI	**Priority** Stores the Create priority. The path object should be one of the first objects built on the Agent during an application installation so that all other files, desktop instances, can refer to it. The lower priority instances, or classes, are installed first. Numeric value between 1 and 99.	5	2 V

Registry Resources (REGISTRY Class

File:	PRIMARY	Description:	An instance of the REGISTRY Class defines a registry resource that is part of a PACKAGE.
Domain:	SECURITY		
Class:	REGISTRY		
Icon:		Can connect to:	

REGISTRY Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
DELENUM	**Delete Device Key under Enum\Root** When set to Y, will delete the device key under ENUM which otherwise will not be deleted due to the appearance of two new values after reboot; values that are not managed by Client Automation. For example, [hkey_local_ machine\system\currentcontrolset \enum\root\legacy_beep\0000\control] key will be deleted when delenum=y. This prevents "new hardware found" pop up panels when the service is	N	1 V

	deleted.		
DELNTSCM	**Delete SCM Keys/Values [Y/N]**	Y	2 V
DEPTH	**Registry Depth**	&(ZCURRENT.ZCURDEPT)	20 V
ENUMPROC	**Process Control Key under Enum\Root**	N	1 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.	RADREG32	50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.	RADREG32	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPRI	**Priority [OO00-99]**	55	2 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M

ZPUBVER	**Publisher Version**	_UNDEF_	8 V
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**		1 V
ZRSCNAME	**Resource Name** Name or description of resource.	&ZRSCFIL	30 V
ZRSCPADM	**Admin ID**		30 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCRSTR	**Restart [Y/N]**	N	1 V
ZRSCSIG	**File Signature**		32 v
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, that is Publisher**		20 V
ZRSCSTYP	**File Type [BINARY/TEXT/EDMFILE]**	EDMFILE	8 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8

			V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both Client Automation- and non-RCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked).	U	1 V
	The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you		

	must also set this variable to Y. **U =** File is distributed only if the date andtime on the CONFIGURATION SERVER is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**		50 M

Replace Application (REPLACE) Class

File:	PRIMARY
Domain:	SECURITY
Class:	REPLACE

REPLACE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name**		50 V
REPLACE1 Thru REPLACE9	**Replace Service Name**	_UNDEF_	32 V

REPOPT	**Replace Action [DELETE/YIELD/COEXIST]**	DELETE	8 V
ZSTOP000	**Stop Expression**		100 E

Scheduling (TIMER) Class

File:	PRIMARY	Description:	Use the TIMER Class to schedule service deployments. For more information, see *Radia Client Automation Enterprise Administrator User Guide*.
Domain:	SECURITY		
Class:	TIMER		
Icon:		Can connect to:	

TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ ALWAYS_ class connection is always resolved.		50 C
APPSVC	**Application**		32 V
DOMAIN	**Server Domain Name**	&(ZMASTER .ZDOMNAME)	32 V
IPADDR	**Server IP Address/Name**	&(ZMASTER .ZIPADDR)	32 V
MGRNAME	**Server Name**	&(ZMASTER .ZMGRNAME)	32 V
NAME	**Friendly Name**		80 V
NETAVAIL	**Check Network Availability [Y/N/W]** Checks for network availability before executing the command		1 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PINGCNT	**Number of Ping Attempts**	3	2

	This attribute sets the number of ping attempts to be made by the Configuration Server.		V
PINGDLAY	**Time between Pings (in msec)** This attribute sets the amount of time between pings in msec.	2000	6 V
REQUEST	**Application Request**	"Apply Updates"	32 V
RUNSYNC	**Synchronous Timer Execution [Y/N]** This attribute sets the value of Yes or No for the synchronous timer execution. The default value is Yes.	Y	1 V
SOCKET	**Server Socket Number**	&(ZMASTER .ZDSTSOCK)	32 V
ZCHNNAME	**Channel [DOMAIN] Name**	&(ZSERVICE. ZOBJDOMN)	32 V
ZCREATE	**Client Create Method** RCA-supplied method or fully qualified, user-defined method. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZDELETE	**Client Delete Method** RCA-supplied method or fully qualified, user-defined method. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZNOPING	**Stop RCS Detection [Y/N]** Controls the automatic sensing of a network connection between the agent computer and the Configuration Server. An expired time will continually evaluate whether communications with the Configuration Server can be established. When communications are established, the command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again. This attribute is especially useful for mobile users. **Note:** In order to use this attribute, you	Y	1 V

	must add it to the TIMER Class template.		
ZOBJPRI	**Priority [00-99]** Sets the priority for deployment of the ZTIMEQ object. The ZTIMEQ object is deployed relative to the other elements being deployed during the agent connect. The elements with a priority number less than the value of ZOBJPRI are deployed before the ZTIMEQ object. A value of 90 is inherited from the base instance and should not be changed.	90	2 V
ZPRVNAME	**Provider (Manager) Name**	&(ZSERVICE .ZMGRNAME)	32 V
ZRSCCMDL	**Command Line to Execute** This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.	radskman req=	255 V
ZSCHDEF	**Time Parameter** Indicates when the timer expires. The syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.		50 V
ZSCHFREQ	**Frequency [PERIODIC/ONCE/RANDOM]** Use this attribute to specify how often the timer should expire. **ONCE** = expire one time. **PERIODIC** = expire repeatedly. **RANDOM** = expire in random intervals.	PERIODIC	10 V
ZSCHMODE	**Timer Owner [MANAGER/DEFAULT]** This attribute specifies the timer owner. It is recommended that you leave the default configuration of USER.	DEFAULT	32 V
ZSCHTYPE	**Type [IMMEDIATE/DEFERRED]** Used only when ZSCHFREQ = PERIODIC. Set ZSCHTYPE to DEFERRED to indicate that the first time an event is attempted to be launched, it will be deferred until the next scheduled time, no matter when the timer instance is evaluated. This was designed to	DEFERRED	10 V

	Suppose you create and deploy a timer with the ZSCHDEF = DAILY(&ZSYSDATE,4:00:00) If ZSCHTYPE = IMMEDIATE and it is: Before 4:00:00, the command in the instance will be executed the same day at 4:00:00 After 4:00:00, the command in the instance will be executed immediately If ZSCHTYPE = DEFERRED and it is: Before 4:00:00, the command in the instance will be executed the *next* day at 4:00:00 After 4:00:00, the command in the instance will be executed the *next* day at 4:00:00 **Example 2:** Suppose you create and deploy a timer with the ZSCHDEF = WEEKDAY(FRIDAY,4:00:00) If ZSCHTYPE = IMMEDIATE and it is: Not Friday or Friday and before 4:00:00, the command in the instance will be executed on Friday at 4:00:00 Friday and after 4:00:00, the command in the instance will be executed immediately If ZSCHTYPE = DEFERRED and it is: Not Friday or Friday and before 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00 Friday and after 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00		
ZSTOP	**Stop Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZSVCOID	**Service ID** This attribute specifies the object ID of the Application instance that this Scheduling instance is connected to. This value is inherited from the base instance and should not be modified.	&(ZSERVICE.ZOBJID)	80 V
ZUPDATE	**Client Update Method** The Scheduler UPDATE method that runs on the agent computer. This value is	radtimeq	80 M

	inherited from the base instance and should not be changed.		
ZVERIFY	**Client Verify Method**	radtimeq	80 M

SD Packages (SD) Class

File:	PRIMARY	Description:	The SD Class applies to the HP-UX operating system. When you publish native UNIX software with Native Packaging, the depot containing native software in compressed format is promoted to the SD Class, similar to the UNIXFILE Class. For more information, see the *Radia Client Automation Enterprise Administrator User Guide*.
Domain:	SECURITY		
Class:	SD		
Icon:		Can connect to:	

SD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ADDDEPS	**Auto-select Dependencies [Y/N]**	N	1 V
AUTOBOOT	**Allow Automatic Reboot [Y/N]** Set to Y in SD Class instance in case you have wrapped SD software that contains reboot file set.	N	1 V
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
CONTENTS	**Required Packages Included in Tar**		255 V
COREQ	**Corequisites Required**		255 V
EXREQ	**Exrequisites**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V

INSTOPTS	**Package Install Options**		60 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PREREQ	**Prerequisites Required**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to install software.	hide nvdkit method	60 V
ZDELETE	**Method to De-install Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to remove software. **Note:** On HP-UX, when a native software application is removed, the application files are deleted, but the directory structure will remain.	hide nvdkit method	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V

ZREPAIR	**Resource Repair Method** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to repair installed software (reinstall).	hide nvdkit method	60 M
ZRSCCFIL	**SD Depot File Name** Specifies path to the file that is included in this instance. The file contains HP-UX or Solaris software.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 M
ZRSCNAME	**SD Product Spec** Specifies a string that is used by native methods to identify software contained in the published depot. This is the complete software spec on HP-UX (tag, version, architecture and vendor) and the SVR4 package name on Solaris.	_BASE_ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 = Highest priority 10 = Default value 99 = Lowest priority	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V

ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both Client Automation- and non-RCA distributed files. (For example, a Client Automation-managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before, Or, the file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always	Y	8 V

	used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. over the existing file.		
	U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to update software.	hide nvdkit method	60 V
ZVERIFY	**Method to Verify Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to verify installed software.	hide nvdkit method	40 M

Solaris Patches (SOLPATCH) Class

File:	PRIMARY	Description:	Solaris operating system only, This class is required by the Client Automation Native Packaging Feature of the Batch Publisher.
Domain:	SECURITY		
Class:	SOLPATCH		
Icon:		Can connect to:	

SOLPATCH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BACKUP	**Backup Patched Files [Y/N]**	Y	1 V
CLUSTER	**Is this a Patch Cluster [Y/N]**		1 V
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
CONTENTS	**Required Packages Included in Tar**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
INCOMPS	**Incompatible Patches**		255 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
OBSOLETE	**Obsolete Patches**		255 V

PKGS	**Patched Packages**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
REQUIRES	**Required Patches**		255 V
UNCONINS	**Unconditionally Install Patch [Y/N]**	N	1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.	hide nvdkit method	60 M
ZDELETE	**Method to De-Install Resource**	hide nvdkit method	50 M
ZFILEUPD	**Client File Update/Add Method**		50 M
ZINIT	**Resource Initialization Method**		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGUID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Method to Repair Resource**	hide nvdkit method	60 M
ZRSCCFIL	**Patch Depot File Name:** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]**	Y	1 V
ZRSCCRC	**Resource CRC**		8 V

ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCMO	**Mandatory/Optional on Client [M/O]**	M	1 V
ZRSCNAME	**Solaris Patch ID**	_BASE_ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVERS	**Resource Version – From Promote**		12 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	8 V
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**	hide nvdkit method	60 M
ZVERIFY	**Method to Verify Resource**	hide nvdkit method	40 M

SVR4 Packages (SVR4) Class

File:	PRIMARY	Description:	The SVR4 Class applies to the Solaris operating system. When you publish native UNIX software with Native Packaging, the depot containing native software in compressed format is promoted to the SVR4 Class, similar to the UNIXFILE Class. For more information, see the *Radia Client Automation Enterprise Administrator User Guide*.
Domain:	SECURITY		
Class:	SVR4		
Icon:		Can connect to:	

SVR4 Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ADMIN	**Admin File Exists? [Y/N]**		1 V
ADMINOBJ	**Is this admin object? [Y/N]**		1 V
AUTOBOOT	**Allow automatic reboot [Y/N]**		1 V
CMPD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
CONTENTS	**Required Packages Included in Tar**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
INCOMP	**Incompatible Packages**		255 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID:**	_UNDEF_	32

			V
PKGVER	**Package Version**		50 V
PKGREV	**Package Revision**		50 V
PREREQ	**Prerequisites Required**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
RESPFILE	**Response File Path**		80 V
RESPOBJ	**Is this response object? [Y/N]**	N	1 V
REVERSE	**Reverse Dependency Packages**		255 V
RESPONSE	**Response file exist? [Y/N]**	N	1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to install software.	hide nvdkit method	60 V
ZDELETE	**Method to De-install Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to remove software. **Note:** On HP-UX, when a native software application is removed, the application files are deleted, but the directory structure will remain.	hide nvdkit method	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined		50 M

	method.		
ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Method to Repair Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to repair installed software (reinstall).	hide nvdkit method	60 M
ZRSCCFIL	**SVR4 Depot File Name** Specifies path to the file that is included in this instance. The file contains Solaris software.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 M
ZRSCNAME	**SVR4 Package Tag** Specifies a string that is used by native methods to identify software contained in the published depot. This is SVR4 package name.	_BASE_ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V

ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both RCA - and non-RCA distributed files. (For example, a RCA -managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before, Or, the file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and	Y	8 V

	the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method** Uses method "Harness" call. The agent side script (`sd.tcl` or `svr4.tcl`) contains a native command call to update software.	hide nvdkit method	60 V
ZVERIFY	**Method to Verify Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to verify installed software.	hide nvdkit method	40 M

TPM Configuration (TPMCFG) Class

File:	PRIMARY	Description:	This class is reserved for future use.
Domain:	SECURITY		
Class:	TPMCFG		

TPMCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BOOTOPT	**Boot option [NONE PROMPT REJECTPROM**		16 V
RBPATH	**Backup Archive Path**		255 V
STATE	**TPM progress**		32 V
TPMERF	**Emergency Recovery File Path**		255 V
TPMRES	**TPM password Reset File Path**		255 V
ZPWD1	**Password 1 BIOS**		255 V
ZPWD2	**Password 2 TPM Owner Password**		255 V
ZPWD3	**Password 3 Emergency Recovery Token**		255 V
ZPWD4	**Password 4 Password Reset token**		255 V

Unix File Resources (UNIXFILE) Class

File:	PRIMARY	Description:	An instance of the UNIXFILE Class defines a file, or a group of files, to include in an application service. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Domain:	SECURITY		
Class:	UNIXFILE		
Icon:		Can connect to:	

UNIXFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
DIRPERMS	**Perms for newly created directories** Permissions assigned to newly created directories.		4 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.	RADREMF	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V

ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Client Instance Repair Method**		50 V
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name** Name or description of resource.	&ZRSCCFIL	30 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**File Permissions**		4

			V
ZRSCRSTR	**Restart [Y/N/R]** Y to restart. Set to **R** to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	Y	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag[Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both RCA- and non-RCA distributed files. (For example, a RCA -managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before, Or, the file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed.	Y	8 V

	T = The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**		50 M

Version Groups (VGROUP) Class

File:	PRIMARY	Description:	Each instance of the Version Group (VGROUP) class defines a set of versions for an application. This class contains connections to the Versions (VERSION) class, created using the Version Group Editor in the CSDB Editor.
Domain:	SECURITY		
Class:	VGROUP		
Icon:		Can connect to:	

VGROUP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTDATE	**Activated date/time** Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by Agent.		32 V
CONTROL	**Vgroup Control [CLIENT/MANAGER]** Indicates whether the Client Automation administrator (MANAGER) or the subscriber (CLIENT) controls which version to activate on the agent computer.	MANAGER	8 V
CURVERS	**Currently active version** Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by Agent.		32 V
INITIAL	**Initial version to Activate** Indicates which version to activate on the agent computer.		32 V
NAME	**Friendly Name** The friendly name for the VGROUP instance.		255 V
NEXTVERS	**Next version to activate** Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by Agent.		32 V
REQACTDT	**Requested Activation Date YYYYMMDD** The earliest date on which a version in this version group will be activated on any agent computer.		8 V
REQACTTM	**Requested Activation time HH:MM:SS** The earliest time, on the date specified by the REQACTDT attribute, after which a version in the		8 V

	version group will be activated on any agent computer.		
ROLLBACK	**Rollback if install fails [Y/N]** Indicates whether to automatically roll back to the previously activated version when deployment of a new version fails.	Y	1 V
SOURCE	**Source for currently active version** Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by the Agent.		8 V
STATUS	**Status of current version – 000** Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by the Agent.		3 V
TIMERCON	**Timer for next Version Activation** If you specify a "next version to activate," the CSDB Editor automatically creates a timer and stores the connection to that timer in this attribute.		50 C
VERCON01 to VERCON05	**Version Connection** Connects to each version in the version group. Each VERCON0*n* attribute contains a connection to one instance of the VERSION Class. This is set when you assign a version to the version group in the Version Group Editor.		50 C
ZSTOP001 to ZSTOP003	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

Versions (VERSION) Class

File:	PRIMARY	Description:	Each instance of the VERSION Class defines one *version* of an application to be deployed and managed by Client Automation. Use the Version Group Editor to create Versions class instances and assign them to a Version Group.
Domain:	SECURITY		
Class:	VERSION		
Icon:		Can connect to:	

VERSION Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name** The friendly name for the VERSION instance. This is set when you create the instance using the Version Group Editor.		255 V
PACKAGE	**Package Connection** Connects to a PACKAGE Class instance, which represents the packaged software for this version.		50 A
ZSTOP001 to ZSTOP003	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

WTS App Comp Scripts (WTSACS) Class

File:	PRIMARY	Description:	This class contains one instance for each Windows Terminal Server Application Compatibility Script required for an application. ACS are published into the database by an administrator. Use the instances in this class to configure the ACS.
Domain:	SECURITY		
Class:	WTSACS		
Icon:		Can connect to:	

WTSACS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BDELETE	**Method Before Delete**		50 M
LOCATION	**Location**	&(ZMASTER.ZLIBDRV) &(ZMASTER.ZLIBDRV)	255 V
NAME	**Friendly Name**	Defaults	80 V
TYPE	**Install, Logon, Uninstall (I/L/U)**		1 V
ZCMPSIZE	**Compressed File Size**		11 V

ZCREATE	**Method to Install Resource**		50 M
ZDELETE	**Method to De-install Resource**	RADREMF	50 M
ZRSCCFIL	**Resource File Name**		255 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCNAME	**Resource Name**	&ZRSCCFIL	30 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVRFY	**Verify Resource Files on Connect**	Y	8 V
ZSTOP000	**Stop Expression**	/(EDMGETV(ZCONFIG.WTSSRVR='Y'))	50 E

WTS Control (WTSCTRL)Class

File:	PRIMARY	Description:	Instances in this class describe some behaviors you may need for the application, if you require logoffs for application events, the type of install and the timeout settings.
Domain:	SECURITY		
Class:	WTSCTRL		
Icon:		Can connect to:	

WTSCTRL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
LD	**Logoff For Delete [Y/N]**	Y	1 V
LI	**Logoff For Install [Y/N]**	N	1 V
LR	**Logoff For Repair [Y/N]**	Y	1 V
LU	**Logoff For Update [Y/N]**	Y	1 V
NAME	**Friendly Name**	Default	80 V
RW	**Rewarn of Logoff at [minutes]**	2	2 V
TO	**Disconnect Time Out [minutes]**	15	4 V
WTSOPTNS	**WTS Logoff Settings**	LI=&(LI),LU=&(LU),LR=&(LR),LD=&(LD),TO=&(TO),RW=&(RW)	60 V
WTSTYPE	**Install / Execute Mode [I/E]** Set to I to install files natively on the Windows Terminal Server such as applications that an admin-	E	1 V

	istrator may use specifically on the server. Set to E for an application that will be used by the Window Terminal Server's agents.		

Chapter 11

The SOFTWARE Domain

The SOFTWARE Domain contains information about the software being managed and the methods used to deploy the software.

Alert/Defer (ALERTDEF) Class

File:	PRIMARY	Description:	Use an instance of the ALERTDEF Class to define an application alert message or deferral.
Domain:	SOFTWARE		
Class:	ALERTDEF		
Icon:		Can connect to:	ZSERVICE

ALERTDEF Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALERTMSG	**Alert Message (! = High Priority)** An exclamation point (!) preceding "Service Alert Message" denotes a high priority message.		100 V
DM	**Alert Mode [I/U/B]** Set to **I** for Install. Set to **U** for Update. Set to **B** for either Install or Update.	B	1 V
DN	**Number of deferrals allowed** Maximum number of deferrals allowed before the action specified in DM (Alert Mode) is taken.	0	2 V
DT	**Network Threshold** Network bandwidth threshold in bytes.	86000	12 V
DBT	**Below Threshold Alert Size (bytes)**	50000	12 V
DAT	**Above Threshold Alert Size (bytes)**	0	12 V
DTO	**Alert Timeout (in seconds)**	120	4

	Specify in seconds the amount of time to display the Defer Alert dialog box. After the timeout is reached, the action specified in the DA (Action on timeout) variable, will be taken.		V
DA	**Action on timeout Cont/Defer [C/D]** Specify C to continue with the specified action if the subscriber does not respond to the defer alert dialog box by the value specified in the DTO (Alert Timeout). Specify D to defer the specified action.	C	1 V
DI	**Allow Install Deferral up to [DATE]** After this date is reached, the option to defer installation will no longer be available. The application will be installed. This should be in the format YYYYMMDD.	NA	20 V
DU	**Allow Update Deferral up to [DATE]** After this date is reached, the option to defer installation will no longer be available. The application will be updated. This should be in the format YYYYMMDD.	NA	20 V
NAME	**Friendly Name** Friendly Name for the instance.	Default	80 V
DEPOPTNS	**Defer Options (Do Not Modify)** This attribute is used to resolve the values of the other attributes of this class. Do not modify.	&(DM),&(DN),&(DT), &(DBT),&(DAT),&(DTO), &(DA),&(DI),&(DU)	12 V

Application (ZSERVICE) Class

File:	PRIMARY	Description:	Use an instance of the ZSERVICE Class to define an application and its characteristics to Client Automation. An instance of the ZSERVICE Class always includes the resource files that comprise it.
Domain:	SOFTWARE		
Class:	ZSERVICE		
Icon:		Can connect to:	PACKAGE, FILE, BEHAVIOR, DIALOG, DEPT, WORKGRP, TIMER, VGROUP, STAGER, HTTP, EXECUTE, ZSERVICE, PDACONFG

ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type

ALWAYS	**Contains** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Contains** An _ALWAYS_ class connection is always resolved. An Includes connection is used to express inter-package relationships.		50 I
ALWAYS	**Utility Resolution Method** Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved. A valid method name, for example, `ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST`.		51 M
ADAPTIVE	**Auto Adaptability [Y/N]** Indicates whether the installed package is dependent on client settings that must be monitored periodically. If the settings change, the client must reconnect to the Configuration Server to get new or different components. Useful for plug-and-play services.		1 V
APPTYPE	Application Type		12 V
AUTHOR	**Author Name** Name of the author of the service that appears in the properties for the service in the Service List.		50 V
BDELETE	**Service Pre-Delete Method** Method to run before deleting the service.		100 M
BREPAIR	**Service Pre-Update Method** Method to run before updating the service.		100 M
BUPDATE	**Service Pre-Repair Method** Method to run before repairing the service.		100 M
CACHE	**App Element Caching [Y/N]**	N	1 V
CACHELIM	**Percent Disk Limit for Cache** Cache limit, which is defined as the percentage of used drive space. Type a number between 000 and 100. **Note:** Used for Windows Installer applications only. If the percentage of used space is greater than the cache limit, then all of the cached files for the product are removed and the cache folder is deleted.	000	3 V

	This is checked after every file is cached on the disk.		
CACHELOC	**CACHE Location on Client** For Windows Installer applications only. Location of the folder on the agent computer that is used to cache the compressed application files needed for the product. RCA support for Windows Installer tags the PRODGUID value to this value to create the folder. For example, If `CACHELOC=c:\progra~1\HP`, and `PRODGUID = 12345_XXXX\cache`, the cache folder would be: `c:\progra~1\HP\12345_XXXX\cache`. **Note:** The folder name `\cache` is automatically appended to PRODGUID. If you are not deploying a Windows Installer-enabled application, the files will be cached in `IDMDATA`.	_UNDEF_	254 V
CATGROUP	**Catalog Group Name** Type a name for the catalog to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		30 V
COMPSIZE	**Application Size – Compressed** The size of the compressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface. Cumulative value of the COMPSIZE defined in the PACKAGE Class.		12 V
DELDATE	**Delete Date** Indicates when the application was removed (in local time) from the agent computer. The Agent manages and maintains this attribute.		32 V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the Long Description field in the New Application Wizard (used to create a service).		100 V
ERTYPE	**Event Reporting Method [O/E/X]** Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server. **O** = Object Currently supports object format only.	O	1 V
EVENTS	**Events to Report**	AI=B AD=B	50 V

	Indicates which events to report on. **Event to report on:** **AI** = Application Install **AD** = Application De-install **AU** = Application Update **AR** = Application Repair **AV** = Application Verify **VA** = Version Activation **VD** = Version Deactivation **What (about the event) to report on:** **S** = Success **F** = Failure **B** = Both Success and Failure **N** = None	AU=B AR=B AV=F VA=B VD=B	
INSTDATE	**Installed Date** Indicates when the application was installed (in local time) on the agent computer. The Agent manages and maintains this attribute. The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
ITEMS	**Number of Component Instances** Cumulative numeric value of the component instances of all the attached packages. (See ITEMS from PACKAGE Class.)		7 V
LREPAIR	**Local Repair [Y/N]** Enables local repair of broken applications. If an application is broken because of missing files, the files (stored locally) can be used to repair the application.		1 V
MCELIGBL	**Service Multicast Eligible [Y/N]** Indicates if the application is eligible for multi-casting.	Y	1 V
NAME	**Friendly Name** Friendly name for the service. This appears in the properties for the service in the Service List.		80 V
OWNER	**Application Contact** Package owner, as documented by the Admin Publisher.		50 V
PRICE	**Price** Type the price of an application to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		10 V
PUBDATE	**Published Date of Service** Date service was published.		32 V

REBOOT	**Install/Update/Delete/Version Change** Used to restart the agent computer after the service is installed. **Event to report on:** **AI** = Install **AD** = Deinstall **AU** = Update **AR** = Repair **AV** = Verify **Type of reboot:** **S** = Soft Boot (Default of type **Y** panel.) **H** = Hard Boot (Default of type **A** panel.) **N** = None **Type of panel:** **Q =** No panel. **A = OK** button only. **Y = OK** and **Cancel** button. **Type of connect:** **None specified**: Reboot on Machine connect (context = m). **U** = reboot on user connect only (context = u). **MU =** reboot when both machine and user parts of the service have been installed. **Example**: AI=S performs a soft boot on application installation.		64 V
RECONFIG	**Reconfiguration Enabled [Y/N]** Indicates whether an application can be relocated after it has been installed.		1 V
REMOVAL	**Un-Managed Behavior [A/D/U]** Controls removal of the service. **If ZVCMO is set to M, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **If ZVCMO is set to O, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **U** = Unmanage (does not delete the objects or components)	D	1 V
RSTRSIZE	**Download Restart Threshold (in bytes)** Use the RSTRSIZE attribute in the appropriate ZSERVICE Class instance to control which files are enabled for check point restart based on the amount of data being downloaded (in bytes). This is for Windows Installer-Enabled Applications (MSI)	0	11 V
RUNDLG	**Dialog Processing [Y/N]** Specifies whether to enable processing of dialog	N	1 V

RUNLEVEL	**Runlevel Support for UNIX.**		1 V
SCHEDOK	**Update Schedule Locally [Y/N]** Specifies whether the subscribers are allowed to change the update schedule for the service locally. **Y** = Subscriber is allowed to change the schedule. **N** = Configuration Server controls the update schedule.		1 V
SIZE	**Application Size – Uncompressed** The size of the uncompressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface.		12 V
THROTYPE	**[ADAPTIVE/RESERVED/NONE/]** Type of Bandwidth throttling to use. Set to **ADAPTIVE** to yield to other services that are using the network. Set to **RESERVED** to allow for a specific reservation of the bandwidth. It is the maximum percentage of network bandwidth to use. Set to **NONE** for no bandwidth throttling, and use the maximum available bandwidth. **NONE** is the default.		8 V
UIOPTION	**Progress Indicator [NONE/FULL/INFO]** Controls whether the status window appears. **NONE** = No interface appears. **FULL** = Interface appears and **Cancel** button is available. **INFO** = Interface appears with no option to cancel.		4 V
UIOPTMSI	**MSI Progress Indicator [NONE/FULL/INFO]** Controls whether the MSI status window appears. **NONE** = No interface appears. **FULL** = Displays what is happening on the agent computer and provides the subscriber with controls to make changes. **INFO** = Displays what is happening on the agent computer, but disables all the controls so that the subscriber cannot make any changes. See the Setup log files and Event Viewer for warnings, errors, successes, failures, and other details.		
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		32 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This		32 V

URL	**WEB URL Name** Address of a Web page where the subscriber can find additional information about the service.		100 V
VENDOR	**Vendor Name** Name of the vendor of the service.		24 V
VERDATE	**Verified Date of Service** Indicates when the application was last verified (in local time) on the agent computer. The Agent manages and maintains this attribute.		32 V
VERSION	**Version Description** Version of the software. This appears in the properties for the service in the Service List.		50 V
ZAVIS	**Available, Verified, Installed, Sync F** The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: **Available** indicates whether a service is available from the Configuration Server. **Verified** indicates whether a service has been verified. **Installed** indicates whether the service has been installed. **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.	YXNX	4 V
ZBITARCH	**Target Bit Architecture [/32/64]** Set to 32 to deploy to 32-bit architectures. Set to 64 to deploy to 64-bit architectures. Set to blank to deploy to all architectures.		8 V
ZBWAPCT	**Adaptive Percentage** Adaptive minimum percentage of bandwidth used when using bandwidth throttling.		3 V
ZBWPCT	**Reserved Percentage** Reserved maximum percentage bandwidth used when using bandwidth throttling.		3 V
ZCONTEXT	**Component Context [M/U]**		8 V
ZCREATE	**Service Installation Method** RCA-supplied method or fully qualified, user-defined		100 M

ZDELETE	**Service Delete Method** RCA-supplied method or fully qualified, user-defined method.		100 M
ZDISCONN	**Disconnect on Install [Y/N]** Allows the client to disconnect from the Configuration Server if there is an open session with the Configuration Server. **Y** = Disconnects the client from the Configuration Server. **N** = Does not disconnect from the client from the Configuration Server.	Y	1 V
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		100 M
ZREPAIR	**Service Repair Method** Name of the method to repair the service.		100 M
ZSTOP000 to ZSTOP002	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		100 E
ZSTOP999	**Stop Unless Radia Connect**	“\(UPPER (EDMGETV (ZMASTER, ZDOMNAME)) ='SOFTWARE'	50 E
ZSVCCAT	**Service Visible in Catalog? [Y/N]**		1 V
ZSVCCSTA	**Service Status on Client (999)** Status code for the service that leads you to the reason why files for a service may not be deployed correctly. **000** = All actions for service completed. **008** = At least one resource had a writer error. **014** = No disk space for at least one resource. **015** = ZDLIMIT exceeded for at least one resource. **024** = A method timed out. **036** = A create method set ZBRC>7. **900** = Not all files were verified. No work done for service.	999	3 V
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the agent. If you are using Application	O	1 V

	Application Self-service Manager, you could also specify mandatory and then optional, **MO**, or optional then mandatory, **OM**. The first character indicates how the application will be handled before installation. The second character indicates how the application will be handled after installation.		
ZSVCMODE	**Application Context [M/U/MU]** Specifies whether the service is to be installed in the Machine or User context. **M** = Machine **U** = User		2 V
ZSVCNAME	**Service Name/Description**	Unknown Service	24 V
ZSVCPRI	**Service Create Ordering [01-99]** Enables you to specify a priority level for this service. If disk space on the agent desktop is not available, services will be downloaded based on the priority level set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		2 V
ZSVCTTYP	**Application Target Type [A/S]** Indicates which agent will receive this application. **A** = Application Manager **S** = Application Self-service Manager		2 V
ZSYSACCT	**Install Under System Account [Y/N/M]** Specifies whether to install the service under the system account or the user's account. **Y** = The application is installed using the system rights. **N** = The application is installed using the rights of the user who is logged on. **M** = The application is installed using the system rights if the current connect is in the machine context (context =m).	Y	1 V
ZUPDATE	**Service Update Method** RCA-supplied method or fully qualified, user-defined method.		130 M
ZVERIFY	**Service Verify Method**		100 M

Application Packages (PACKAGE) Class

File:	PRIMARY	Description:	The PACKAGE Class contains an instance with associated references used to identify an application component model. An administrator uses the Admin Publisher to create a package instance.
Domain:	SOFTWARE		
Class:	PACKAGE		
Icon:		Can connect to:	DESKTOP, FILE, PATH, MSIFEATES, MSI, PACKAGE, PDACONFG, REGISTRY

PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Package Includes** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BEHAVIOR	**Behavior** Includes connection to BEHAVIOR Class instances		255 I
COMPSIZE	**Package Compressed Resource Size** Compressed size of package (in bytes).		12 V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).		255 V
DESKTOP	**Desktop** Includes connection to DESKTOP Class instances.		255 I
FILE	**File** Includes connection to FILE Class instances.		255 I
INCLUDES	**Package Includes** Generic Includes connection.		50 I
ITEMS	**Number of Component instances** Number of component instances in a package at time of publishing.		7 V

NAME	**Friendly Name**		80 V
OWNER	**Application Contact** Package owner, as documented by the Admin Publisher.		80 V
PATH	Path Includes connection to PATH Class instances.		255 I
PKGNAME	Package Name		80 V
REGISTRY	Registry Includes connection to REGISTRY Class instances.		255 I
RELEASE	Package Release Release level of the package, as documented by the Admin Publisher.		80 V
REQUIRES	Required Package Level Generic Requires connection.		80 R
SIZE	**Package Resource Size– Uncompressed** Size of package (in bytes).		12 V
UNIXFILE	UNIX File Includes connection to UNIXFILE Class instances.		255 I
ZBITARCH	Target Bit Architecture [/32/64] Set to 32 to deploy to 32-bit architectures. Set to 64 to deploy to 64-bit architectures. Set to blank to deploy to all architectures.	_ UNDEF_	8 V
ZSTOP000 to ZSTOP003	Stop Resolution Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

Auto Run (EXECUTE) Class

File:	PRIMARY	Description:	An instance of the EXECUTE Class defines a file, or a group of files, that will be launched after an application has been installed on the agent desktop.
Domain:	SOFTWARE		
Class:	EXECUTE		
Icon:		Can connect to:	

EXECUTE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ARGUMENT	**Arguments passed to the program** Stores the arguments that have to be passed to the program to be launched.		255 V
EXECPATH	**Fully qualified executable name** Stores the fully qualified name of the executable to be launched after an application install.		255 V
WORKDIR	**Starting Directory** Stores the name of the directory/folder from which the executable is started.		255 V
ZCREATE	**Create Method** Stores the Client Automation method name that is used to create a list of programs that need to be executed after an application is installed.	EXECUTE	50 M
ZDELETE	**Delete Method** RCA-supplied method or fully qualified, user-defined method.	EXECUTE	50 M
ZVERIFY	**Verify Method**	EXECUTE	50 M

Behavior Services (BEHAVIOR) Class

File:	PRIMARY	Description:	Defining an instance of the BEHAVIOR Class lets you define a file, or a group of files, to include in an application service. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Domain:	SOFTWARE		
Class:	BEHAVIOR		
Icon:		Can connect to:	PACKAGE

BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C

CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
FILEMD5	File MD5 Signature	_UNDEF_	32 V
LOCATION	Location		255 V
NAME	**Friendly Name** Name that appears in the CSDB Editor for this class.		80 V
OBJGUID	Instance GUID Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
ZCMPKEY	**Compression Key** Not used.		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	Method to Install Behavior Name of method to install a resource file. RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Behavior RCA-supplied method or a fully qualified, user-defined method.	EDMREMF	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 V
ZINIT	Resource Initialization Method RCA-supplied method or a fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.	EDMLKM	50
ZRSCCFIL	Behavior File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit file name.		255 V
ZRSCCKPT	**Resource Checkpoint:** Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	N	1 V

ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status Resource status code. **000** = Successfully downloaded **001** = Data can be found in EDMDATA directory **004** = Resource with no data **008** = Could not create the file **009** = No disk space for file (ZRSCMO=O) **010** = ZDLIMIT was exceeded (ZRSCMO=O) **011** = No data in HPCA for resource **014** = No disk space (ZRSCMO=M) **015** = ZDLIMIT was exceeded (ZRSCMO=M) **024** = Time-out waiting for method **036** = A method was set ZBRC>7 **999** = No work done for resource	999	3 V
ZRSCDATE	**Behavior Date Stamp** Date stamp on resource file from promote process. A value up to eight digits long.		8 V
ZRSCMDAT	Manager Stores Data [Y/N]	Y	1 V
ZRSCMMEM	**PDS Member Name** PDS where resource actually resides. PDS name where resource resides in Manager (MVS only).		8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V
ZRSCNAME	**Behavior Name Name or description of resource.** Valid name of resource to distribute to the Agent.	&ZRSCCFIL	30
ZRSCOBJN	**Persistent Object Name** The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE.		8 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	10	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]** Enables you to specify file attributes for a resource.		4 V

	Read-only **A**rchive **S**ystem **H**idden.		
ZRSCRSTR	**Restart [Y/N]** You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	**Behavior Size** Byte count of resource file from promote process. A value up to 11 digits long.		11 V
ZRSCSRC	Resource Source, **i.e., Publisher**		20 V
ZRSCSRC	Resource Source		1 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]** File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Enables you to skip the reactivation of version resources if the version is already active. **Y** = Skip the rebuilding of version resources **N** = Rebuild version resources	Y	1 V
ZRSCTIME	**Behavior Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both Client Automation- and non-RCA distributed files. (For example, a Client Automation-managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before,	Y	1 V

	Or, the file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM).		
	This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	Client Instance Update Method If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M

ZUSERID	Admin ID		30 V

Class Defaults (METACLAS) Class

File:	PRIMARY	Description:	An instance of the METACLAS Class defines prerequisites.
Domain:	SOFTWARE		
Class:	METACLAS		
Icon:		Can connect to:	PACKAGE

METACLAS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
CCREATE	**Client Install Method**		128 V
CDATAUPD	**Client File Update/Add Method**		128 V
CDELETE	**Client De-install Method**		128 V
CERROR	**Client Error Method**		128 V
CINIT	**Client Initialization Method**		128 V
COPENERR	Client Method on File Open Error		128 V
CUPDATE	**Client Update Method**		128 V
CVERIFY	**Client Verify Method**		128 V
NAME	Friendly Name		80 V

Desktop (DESKTOP) Class

File:	PRIMARY	Description:	Instances of this class specify those resources which are icons appearing in the Windows environment. The attributes of this class also specify the properties of the Client Automation resources. Some of the icons could store just-in-time executables, which would be updated by connecting to the Configuration Server before they are run.
Domain:	SOFTWARE		
Class:	DESKTOP		
Icon:		Can connect to:	CATALOG, ZSERVICE

DESKTOP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
JITARGS	**Application Manager Arguments** Stores the arguments to be passed to the just-in-time executable.		255 V
JITLNK	Application Manager Installation [Y/N]		1 V
JITPATH	**Application Manager Path** Stores the fully qualified name of the just-in-time executable. Should be a fully qualified path name with the drive and directory. If the directory name contains embedded spaces then the whole value should be in double quotes, e.g., "`c:\program files\HP\test.exe`".		255 V
MACHUSER	**Machine User**		32 V
NAME	Friendly Name		80 V
VERIFY	Verify [Y/E/N]		1 V
ZCONTEXT	Component Context		8 V

ZCREATE	**Method to Create Link** RCA-supplied method or fully qualified, user-defined method.	RADCLNK	50 M
ZDELETE	**Method to Delete Link** RCA-supplied method or fully qualified, user-defined method.	RADDLNK	50 M
ZINSTALL	**Method CLNK Processing [Y/N]** Stores if the links/icons have to be installed.		1 V
ZOBJPRI	Priority [09-99]	60	2 V
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZRSCLFIL	**Link Path** Stores the fully qualified name for the link. The links are usually created in the Windows folder, which might appear in different drives for different users. The Windows system directory is usually stored in the ZMASTER object in ZWINDRV & ZWINDIR variables.. A special variable, $NTUSER$, can be used to distinguish between different user directories. This variable is interpreted by the EDMCLNK create method to store the value of the current user.		255 V
ZRSCMO	Mandatory/Optional [M/O]	o	1 V
ZSTATUS	Client Status	999	3 V
ZW95ARGS	**Command Line Parameters** Stores the arguments to be passed to the executable specified in the ZW95PATH field.		255 V
ZW95DESC	**Icon Description** A brief description for the icon/link.		60 V
ZW95HOTK	**Hot Key Assigned by MS Windows**		12 V
ZW95ICON	Icon File		128 V
ZW95INDX	Index of Icon		60 V
ZW95PATH	**Command Line** Stores the name of the executable associated with this icon/link.		128 V

ZW95SHOC	Visibility Flag [00000000/00000001]	00000001	8 V
ZW95WDIR	**Working Directory** Stores the starting directory for the program associated with the icon or link. Should be a fully qualified path name with the drive and directory. If the directory name contains embedded spaces then the whole value should be in double quotes, e.g., "`c:\program files\HP`".		50 V

Dialog Services (DIALOG) Class

File:	PRIMARY	Description:	Defining an instance of the DIALOG Class lets you define an install process for an application and its characteristics to Client Automation. An instance of the DIALOG Class always includes the resource files that comprise it, which could be either the panels or scripts. The panels and scripts are used to initiate an interactive session, to gather information pertinent to installing a particular application.
Domain:	SOFTWARE		
Class:	DIALOG		
Icon:		Can connect to:	BEHAVIOR, INSTALL, PACKAGE, PANEL

DIALOG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Utility Resolution Method** Any method you specify for this attribute is unconditionally executed by RCA when this object is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST.		51 M
AUTHOR	**Author Name** Name of the author of the dialogs.		50 V
CATALOG	**Catalog Name** The catalog name for this dialog.	&(CATALOG.CATNAME)	32 V
COMPSIZE	**Application Size- Compressed** Stores the compressed size of all the dialog components (informational).This value is filled in by the		12 V

	Admin Publisher or packager when the dialogs are stored in the CSDB.		
DESCRIPT	**Application Description** Description of the dialog that appears in the properties for the service in the Service List. Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).		255 V
INSTDATE	**Installed Date** Stores the date and time when the dialog was installed on the client desktop. This value is set by the RCA user after a dialog has been installed. It is useful for reporting purposes. (informational). The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
NAME	**Friendly Name** Stores the dialog name.		80 V
PRICE	Price		10 V
PUBDATE	**Published Date of Service** Date service was published.		32 V
SCHEDOK	**Update Schedule Locally [Y/N]** Specifies whether the subscribers are allowed to change the update schedule for the service locally. **Y** = Subscriber is allowed to change the schedule. **N** = Configuration Server controls the update schedule.		1 V
SIZE	**Application Size - Uncompressed**		12 V
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		12 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the RCA user after the dialogs have been installed. This date can be used for reporting purposes. The date is in text form, as in: Jan 28, 1998 16:10:00.		12 V
URL	**WEB URL Name** Stores the address of a Web page, where additional information is available about this application. **http://www.company_name.com**		255 V
VENDOR	Vendor Name		24 V

VERDATE	**Verified Date of Service**		32 V
ZAVIS	**Available, Verified, Installed, Sync F** The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: **Available** indicates whether a service is available from the Configuration Server. **Verified** indicates whether a service has been verified. **Installed** indicates whether the service has been installed. **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.	YXNX	4 V
ZCREATE	**Service Installation Method** RCA-supplied method or fully qualified, user-defined method.	50 M	
ZDELETE	**Service Delete Method** RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		50 M
ZSVCCONF	**Confirm Service Install [Y/N]** Enables you to confirm the service was downloaded.	N	1 V
ZSVCCSTA	**Service Status on Client (999)** Service status code. **000** = All actions for service completed **008** = At least one resource had a writer error **014** = No disk space for at least one resource **015** = ZDLIMIT exceeded for at least one resource **024** = A method timed out **036** = A create method set ZBRC>7 **900** = Not all files were verified. No work done for service	999	3 V
ZSVCINST	**Service Installation Date/Time**		32 V
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager *and* Application Self-service Manager, you could also specify mandatory and then optional, **MO**, or optional	M	1 V

	. The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.		
ZSVCNAME	**Service Name/Description** Name of the service, e.g., VB Calculator.		24 V
ZSVCPRI	**Service Create Ordering [01-99]** Enables you to specify a priority level for this service. If disk space on the agent desktop is not available, services will be downloaded based on the priority level set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		2 V
ZSVCSEL	**Update Force Bypass Remove [U/F/B/R]** If ZSVCMO is optional, this attribute can be Update, Force, Remove, or Bypass. **U**pdate **F**orce **R**emove **B**ypass		1 V
ZSVCUPD	**Service Update Date/Time**		32 V
ZSVCVERS	**Version Activation Level** Version number of resources or service from the promotion process.		12 V
ZUPDATE	**Service Update Method** RCA-supplied method or fully qualified, user-defined method.		50 M

File Resources (FILE) Class

File:	PRIMARY	Description:	An instance of the FILE Class defines a file, or a group of files, to include in an application service. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Domain:	SOFTWARE		
Class:	FILE		
Icon:		Can connect to:	

FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base	Length Type

		Instance	
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
FVERSION	File Version	_UNDEF_	30 V
LOCATION	**Location** Stores the location of the file. The location of the drive and directory is encapsulated in the PATH object. The value is filled by the packager/publisher and contains value of the form **&P(D001ABCDEF01_12345678)**, which is an indirect reference to the PATH object. The **&P** triggers a special kind of variable substitution which looks for the drive and directory from the PATH object.		255 V
NAME	Friendly Name		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PVERSION	Promote Version	_UNDEF_	30 V
SIGTYPE	File Signature Type		3 V
ZCMPKEY	**Compression Key** Not used.	_UNDEF_	80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.	RADREMF	50 M
ZFILEUPD	**Client File Update/Add Method** Method that is executed if a file has been updated by an administrator. RCA-supplied method or fully qualified, user-defined method		50 M

ZINIT	**Resource Initialization Method** RCA-supplied method or fully qualified, user-defined method.		50 M
ZOBJPATCH	Perform Patching [Y/N]	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or fully qualified, user-defined method.	RADLKM	50 M
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZREPAIR	Client Instance Repair Method		50 M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint** Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status** Resource status code. **000** = Successfully downloaded **001** = Data can be found in EDMDATA directory **004** = Resource with no data **008** = Could not create the file **009** = No disk space for file (ZRSCMO=O) **010** = ZDLIMIT was exceeded (ZRSCMO=O) **011** = No data in HPCA for resource **014** = No disk space (ZRSCMO=M) **015** = ZDLIMIT was exceeded (ZRSCMO=M) **024** = Time-out waiting for method **036** = A method was set ZBRC>7 **999** = No work done for resource	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMMEM	**PDS Member Name** PDS where resource actually resides. PDS name		8 V

ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name** Name or description of resource. Valid name of resource to distribute to client.	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name** The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE. A valid in-storage object name.		8 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem and/or **H**idden		4 V
ZRSCRSTR	**Restart [Y/N/R]** Restart a download process at the point it was interrupted (Y), or resend the entire object (No). Set to (R) to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	N	3 V
ZRSCSIG	File Signature		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher** Stores the source of the resource: If resource was retrieved from Configuration Server, the value would be M. If resource existed on the desktop, the value would be E. If resource was retrieved from Stager, value would be		20 V

	S. These values are filled in by the RCA user during an application installation. When the user uninstalls an application, only the files that were retrieved from the Configuration Server or the Staging Server would be deleted. The files that existed on the desktop prior to an application install would not be deleted.		
ZRSCSTYP	**Server File Type** [BINARY/TEXT] File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Enables you to skip the reactivation of version resources if the version is already active. **Y** = Skip the rebuilding of version resources **N** = Rebuild version resources		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both Client Automation- and non-RCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed.	Y	1 V

	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM).		
	This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will beplaced on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	**Client Instance Update Method** If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M

HTTP Proxy (HTTP) Class

File:	PRIMARY	Description:	
Domain:	SOFTWARE		
Class:	HTTP		
Icon:		Can connect to:	

HTTP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
HTTPADDR	**WEB Server Host**		255 V
HTTPLOG	**HTTP Transaction Log [Y/N]**	N	1 V
HTTPNVDS	**Using Novadigm HTTP Server**	N	1 V
HTTPPORT	**Web Server Port**	80	4 V
HTTPROXO	**Use Web server if proxy fails**	N	1 V
HTTPROXP	**Proxy Server Port**	80	4 V
HTTPROXY	**Proxy Server Host**		255 V
HTTPVDIR	**Web Server Virtual Directory**	/RADIADB	255 V
ZPCPROTL	**Protocol [HTTP]**		4 V
ZSTGOPT	**Enable Staging**	1	1 V

IBM AIX Packages (AIX) Class

File:	PRIMARY	Description:	AIX operating systems only. This class is required by the Native Packaging Feature of the Batch Publisher.
Domain:	SOFTWARE		
Class:	AIX		
Icon:		Can connect to:	

AIX Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of		50 A

	an agent's desired state. An _ALWAYS_ class connection is always resolved.		
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
COMMIT	**Commit Update [Y/N]**	N	1 V
COREQ	**AIX Package Corequisites**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
FORCE	**Force (overwrite) installation [Y/N]**	N	1 V
IFREQ	**AIX Package If-Requisites**		255 V
INSTREQ	**AIX Package Installed Requisites**		255 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PKGDESC	**Package Description**		80 V
PREREQ	**AIX Package Prerequisites**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.	hide nvdkit method	60 M
ZDELETE	**Method to De-Install resource**	hide nvdkit method	50 M
ZFILEUPD	**Client File Update/Add Method**		50 M

ZINIT	**Resource Initialization Method**		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGUID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Method to Repair Resource**	hide nvdkit method	60 M
ZRSCCFIL	**AIX Package File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]**	Y	1 V
ZRSCCRC	**Resource CRC**		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCFLEV	**Filesets + Levels**		255 V
ZRSCFSET	**Filesets in the Package**		255 V
ZRSCMO	**Mandatory/Optional on client [M/O]**	M	1 V
ZRSCNAME	**AIX Package Name**	_BASE_ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**File Permissions**		4

			V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCSRC	**Resource Source, i.e. Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVERS	**Resource Version – From Promote**		12 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	8 V
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**	hide nvdkit method	60 M
ZVERIFY	**Method to Verify Resource**	hide nvdkit method	40 M

Install Options (INSTALL) Class

File:	PRIMARY	Description:	Defining an instance of the INSTALL Class lets you activate and configure the presentation of dialog panels which are used for the purposes of personalizing the delivery of an application along with its associated components.
Domain:	SOFTWARE		
Class:	INSTALL		
Icon:		Can connect to:	

INSTALL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
APPNAME	**Application**		30

			V
AUDIT	**Search for Application File [Y/N]**	N	1 V
COMP1SEL	**Component 1 Selected [Y/N]**	Y	1 V
COMP1TXT	**Component 1 Description**		20 V
COMP2SEL	**Component 2 Selected [Y/N]**	Y	1 V
COMP2TXT	**Component 2 Description**		20 V
COMP3SEL	**Component 3 Selected [Y/N]**	Y	1 V
COMP3TXT	**Component 3 Description**		20 V
COMP4SEL	**Component 4 Selected [Y/N]**	Y	1 V
COMP4TXT	**Component 4 Description**		20 V
COMPPIC	**Components Picture (bmp)**	&(WELCPIC)	12 V
COPYRITE	**Copyright Text**	@Copyright 1998	30 V
EULAPIC	**EULA Picture (bmp)**	&(WELCPIC)	12 V
EULATEXT	**End User License Agreement Text**	This software is protected by copyright laws. By accepting, you are agreeing with all terms included in the original program documentation.	200 V
IDIRNAME	**Install Directory Name**		100 V
IDIRPIC	**Install Directory Picture (bmp)**	&(WELCPIC)	12
KEYFILE	**Search for File Name**		12 V

NAME	**Friendly Name**		80 V
OPTS1SEL	**Option 1 Selected [Y/N]**	Y	1 V
OPTS1TXT	**Option 1 Description**		20 V
OPTS2SEL	**Option 2 Selected [Y/N]**	Y	1 V
OPTS2TXT	**Option 2 Description**		20 V
OPTS3SEL	**Option 3 Selected [Y/N]**	Y	1 V
OPTS3TXT	**Option 3 Description**		20 V
OPTS4SEL	**Option 4 Selected [Y/N]**	Y	1 V
OPTS4TXT	**Option 4 Description**		20 V
OPTSPIC	**Options Picture (bmp)**	&(WELCPIC)	12 V
SCANDRVS	**Search Drives**		32 V
SHOWCOMP	**Show Components [Y/N]**	N	1 V
SHOWEULA	**Show End User License Agreement [Y/N]**	Y	1 V
SHOWIDIR	**Show Install Directory [Y/N]**	N	1 V
SHOWOPTS	**Show Options [Y/N]**	N	1 V
SHOWTYPE	**Show Install Type [Y/N]**	N	1 V
SHOWUINF	**Show User Info [Y/N]**	N	1 V
SHOWWELC	**Show**	Y	1

	(N disables all) [Y/N]		V
TYPE1BTN	**Type 1 Button Caption**	Typical	10 V
TYPE1TXT	**Type 1 Description**	Program will be installed with the most common options. Recommended for most users.	100 V
TYPE2BTN	**Type 2 Button Caption**	Custom	10 V
TYPE2TXT	**Type 2 Description**	You may choose the options you want to install. Recommended for advanced users.	100 V
TYPE3BTN	**Type 3 Button Caption**		10 V
TYPE3TXT	**Type 3 Description**		100 V
TYPEPIC	**Install Type Picture (bmp)**	&(WELCPIC)	12 V
TYPESEL	**Type Selection**	Typical	10 V
UINF1LBL	**User Info 1 Label**		12 V
UINF1TXT	**User Info - Text 1**		30 V
UINF2LBL	**User Info 2 Label**		12 V
UINF2TXT	**User Info - Text 2**		30 V
UINF3LBL	**User Info 3 Label**		12 V
UINF3TXT	**User Info - Text 3**		30 V
UINFNAME	**User Info - Name**		30 V
UINFPIC	**User Info Picture (bmp)**	&(WELCPIC)	12 V
WELCPIC	**Welcome Picture (bmp)**	instpic.bmp	12 V
ZOBJDATA	**Search**	SCN	3

	[SCN]		V
ZRSCCDIR	**Search Directory**	*\	255 V
ZRSCCDRV	**Search Drive**	&(ZMASTER.ZWINDRV)	19 V
ZRSCSTYP	**Search File Type [BINARY]**	BINARY	6 V

Linux RPM Packages (RPM) Class

File:	PRIMARY	Description:	Linux operating systems only. This class is required by the Native Packaging Feature of the Batch Publisher.
Domain:	SOFTWARE		
Class:	RPM		
Icon:		Can connect to:	

RPM Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 A
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
CONTENTS	**Required Packages Included in Tar**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
INSTOPTS	**Package Install Options**		60 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V

OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PKGARCH	**RPM Package Architecture**		32 V
PKGEPOCH	**RPM Package EPOCH**		32 V
PKGNAME	**RPM Package Name**		32 V
PKGREL	**RPM Package Release**		32 V
PKGSUMM	**RPM Package Summary**		100 V
PKGVER	**RPM Package Version**		32 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
REQCMDS	**Requires Commands**		255 V
REQLIBS	**Requires Shared Libraries**		255 V
REQPKGS	**Requires Package**		255 V
VRFYOPTS	**Package Verify Options**		60 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.	hide nvdkit method	60 M
ZDELETE	**Method to De-Install resource**	hide nvdkit method	50 M
ZFILEUPD	**Client File Update/Add Method**		50 M
ZINIT	**Resource Initialization Method**		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined	RADLKM	50 M

	method.		
ZPERGUID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Method to Repair Resource**	hide nvdkit method	60 M
ZRSCCFIL	**RPM Package File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]**	Y	1 V
ZRSCCRC	**Resource CRC**		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCMO	**Mandatory/Optional on client [M/O]**	M	1 V
ZRSCNAME	**RPM Package**	_BASE_ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCSRC	**Resource Source, i.e. Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8

			V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVERS	**Resource Version – From Promote**		12 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	8 V
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**	hide nvdkit method	60 M
ZVERIFY	**Method to Verify Resource**	hide nvdkit method	40 M

Mac Alias (MACALIAS) Class

File:	PRIMARY	Description:	Mac operating systems only. Instances of this class define Macintosh Aliases.
Domain:	SOFTWARE		
Class:	MACALIAS		
Icon:		Can connect to:	

MACALIAS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
JITARGS	**Application Manager Arguments** Stores the arguments to be passed to the just-in-time executable.		255 V
JITLNK	Application Manager Installation [Y/N]		2 V

JITPATH	**Application Manager Path** Stores the fully qualified name of the just-in-time executable. Should be a fully qualified path name with the drive and directory. If the directory name contains embedded spaces then the whole value should be in double quotes, e.g., "`c:\program files\HP\test.exe`".		255 V
MACHUSER	**Machine User**		32 V
NAME	**Friendly Name**		80 V
ZCREATE	**Method to Create Link** RCA-supplied method or fully qualified, user-defined method.	RADCALIS	50 M
ZDELETE	**Method to Delete Link** RCA-supplied method or fully qualified, user-defined method.	RADDALIS	50 M
ZINSTALL	**Method CLNK Processing [Y/N]**		1 V
ZMACCRTR	**Macintosh File Creator of Alias**		6 V
ZMACSRVR	**Server Name of Alias Target**		32 V
ZMACTRGT	**Alias Target File Path**		255 V
ZMACTYPE	**Macintosh File Type of Alias**		6 V
ZMACZONE	**Network Zone of Alias Target**		32 V
ZOBJPRI	**Priority [00-99]**	60	2 V
ZRSCAFIL	**Alias Path**		255 V
ZRSCMO	**Mandatory/Optional [M/O]**	O	1 V

Mac File Resources (MACFILE) Class

File:	PRIMARY	Description:	Mac operating systems only. An instance of the MACFILE Class defines a file, or a group of files, to include in an application service. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Domain:	SOFTWARE		
Class:	MACFILE		
Icon:		Can connect to:	

MACFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
LINKDEST	**Symbolic Link Destination**		80 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method	RADREMF	50

			M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Client Instance Repair Method**		50 V
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name** Name or description of resource.	&ZRSCCFIL	30 V

ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N/R]** Y to restart. Set to **R** to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	Y	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, that is Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag[Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both RCA - and non-RCA distributed files. (For example, a RCA - managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed.	Y	8 V

	Y = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced.		
	Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and		

	the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**		50 M

Mobile File Resources (RMMFILE) Class

File:	PRIMARY	Description:	Instances of this class are created when publishing files for Mobile Management using the Mobile Management Publisher.
Domain:	SOFTWARE		
Class:	RMMFILE		
Icon:		Can connect to:	

RMMFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
FVERSION	**File Version**	_UNDEF_	30 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PVERSION	**Promote Version**	_UNDEF_	30 V
SIGTYPE	**File Signature Type**		3 V
UPROIMPT	**User Prompt [Y/N]**	N	1

			V
ZAPPNAME	**PDA Application Name**		50 V
ZCMPKEY	**Compression Key**	_UNDEF_	80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource**	RADREMF	50 M
ZFILEUPD	**Client File Update/Add Method**		50 M
ZINIT	**Resource Initialization Method**		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.	RADLKM	50
ZPDAVERS	**PDA Resource Internal Version**		20 V
ZPUBVER	**Publisher Version**	_UNDEF_	8 V
ZREPAIR	**Client Instance Repair Method**		50 M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]**	Y	1 V
ZRSCCPADM	**Admin ID**		30

			V
ZRSCCRC	**Resource CRC**		8 V
ZRSCCSTA	**Client file Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCMMEM	**PDS Member Name**		8 V
ZRSCMO	**Mandatory/Optional on Client [M/O]**	M	1 V
ZRSCNAME	**Resource Name**	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name**		8 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCRSCR	**Restart [Y/N]**	N	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVERS	**Resource Version – From Promote**		12 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	8 V

ZUPDATE	**Client Instance Update Method**		50 M

MSI Basic Resources (MSIBASIC) Class

File:	PRIMARY	Description:	Packages created with the Extensions for Windows Installer have a connection to the MSIBASIC class in the CSDB. When the New Application Wizard is used to create a service from an application with one of these connections, you can define the MSI basic behavior methods.
Domain:	SOFTWARE		
Class:	MSIBASIC		
Icon:		Can connect to:	

MSIBASIC Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BCREATE	**Method Before Install**		50 M
BDELETE	**Method Before De-Install**		50 M
BREPAIR	**Method Before Repair**		50 M
BUPDATE	**Method Before Update**		50 M
BVERIFY	**Method Before Verify**		50 M
FVERSION	**File Version**	_UNDEF_	30 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V
PRODGUID	**MSI Product GUID**		50 V

PVERSION	**Promote Version**	_UNDEF_	30 V
SIGTYPE	**File Signature Type**		3 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource**	RADREMF	50 M
ZINIT	**Resource Initialization Method**		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZREPAIR	**Client Instance Repair Method**		50 M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit file name.		255 V
ZRSCCRC	**Resource CRC**		8 V
ZRSCCSTA	**Client file Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCMO	**Mandatory/Optional on Client [M/O]**	M	1 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V

ZRSCRSCR	**Restart [Y/N]**	N	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	8 V
ZUPDATE	**Client Instance Update Method**		50 M
ZVERIFY	**Client Instance Verify Method**		50 M

MSI Features (MSIFEATS) Class

File:	PRIMARY	Description:	An instance of the MSIFEATS Class defines MSI feature states.
Domain:	SOFTWARE		
Class:	MSIFEATS		
Icon:		Can connect to:	

MSIFEATS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ASTATES	**Allowed States**		100 V
DISABLED	**Disabled [Y/N]**		1 V
DSTATE	**Default State**		10 V

FEATID	**Feature ID**		38 V
FEATNAME	**Feature Name**		50 V
FEATSIZE	**Feature Size**		12 V
HIDE	**Hide Features in CP A/R Dialog**		1 V
ISTATE	**Install State**		10 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PARENTID	**Parent Feature ID**		38 V
SEQNO	**Sequence Number**		4 V

MSI Properties (MSIPROPS) Class

File:	PRIMARY	Description:	The MSIPROPS Class stores MSI public properties and their values.
Domain:	SOFTWARE		
Class:	MSIPROPS		
Icon:		Can connect to:	

MSIPROPS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DEFAULT	**Default Property Value**		255 V
DISABLED	**Disabled [Y/N]**		1 V
PROPNAME	**Property Name**		255 V
VALUE	**Property Value**		255 V

VERIFY	**Verify Property Value [Y/N]**	N	1 V

MSI Resources (MSI) Class

File:	PRIMARY	Description:	Instances in this class are used to define MSI resources.
Domain:	SOFTWARE		
Class:	MSI		
Icon:		Can connect to:	

MSI Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
DATAURL	**Administrative Control Point**		255 V
LOCATION	**Location**		255 V
MSIDRIVR	**Use Local AIP [Y/N]**		1 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use*.	_UNDEF_	32 V
ORGNAME	**Organization Name**		100 V
PRODGUID	**MSI Product GUID**	_UNDEF_	50 V
PRODVER	**Product Version**	_UNDEF_	10 V
SALVAGE	**Salvage Cache Files[U/M/B/N]** Salvage existing Windows Installer-enabled content.	N	1 V

	U – Unmanaged application salvage. Set to U if you want to salvage content that RCA is not currently managing. **M –** Managed application salvage. Set to M to salvage content that RCA is currently managing. **B –** Both. Set to B to salvage both managed and unmanaged applications. This is useful when you have clients with resources both managed and unmanaged by RCA. **N –** No content is salvaged.		
SAVETEMP	**Preserve Internet Cache [Y/N]**	N	1 V
SEQNO	**Feature Sequence Number**		3 V
SHOWINCP	**Show in CP Add/Remove**	Y	1 V
SIGTYPE	**File Signature Type**		3 V
USERCNTL	**User Controls MSI Features [Y/N]**		1 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context [M/U]**		8 V
ZCREATE	**Service Installation Method** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Service Delete Method** RCA-supplied method or fully qualified, user-defined method.	_NONE_	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V

ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.	_UNDEF_	50 M
ZPUBVER	**Publisher Version**		8 V
ZREPAIR	**Service Repair Method**		50 M
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** **Y** enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMMEM	**PDS Member Name**		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name** Name or description of resource.	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name**		8 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value	50	2 V

	99 = Lowest priority		
ZRSCRASH	**DOS File Attribute [R/A/S/H]**	N	4 V
ZRSCRSTR	**Restart [Y/N]**		3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, that is Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both RCA - and non-RCA distributed files. (For example, a RCA n-managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update		8 V

	EDMGETRS.EXE. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked).		
	The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dllor .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	**Service Update Method**		50 M
ZVERIFY	**Service Verify Method**		50 M

Panel Services (PANEL) Class

File:	PRIMARY	Description:	The PANEL Class contains the Client Automation panel objects used during Client Automation installation dialog processing. This class contains shipping dialog panel examples. Publish all custom dialog panels to this class.
Domain:	SOFTWARE		
Class:	PANEL		
Icon:		Can connect to:	

PANEL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
ZCMPKEY	**Compression Key** Not used.		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Install Behavior** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Behavior** RCA-supplied method or fully qualified, user-defined method.	RADREMF	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully		50 M

ZINIT	**Resource Initialization Method** RCA-supplied method or fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or fully qualified, user-defined method.	RADLKM	50 M
ZRSCCFIL	**Panel Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint** Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	N	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status** Resource status code. **000** = Successfully downloaded **001** = Data can be found in EDMDATA directory **004** = Resource with no data **008** = Could not create the file **009** = No disk space for file (ZRSCMO=O) **010** = ZDLIMIT was exceeded (ZRSCMO=O) **011** = No data in HPCA for resource **014** = No disk space (ZRSCMO=M) **015** = Time-out waiting for method **036** = A method was set ZBRC>7 **999** = No work done for resource	999	3 V
ZRSCDATE	**Panel Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMDAT	**Manager Stores Data [Y/N]**	Y	1 V
ZRSCMMEM	**PDS Member Name** PDS where resource actually resides. PDS name where resource resides in Manager (MVS only).		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Panel Name**	&ZRSCCFIL	30

			V
ZRSCOBJN	**Persistent Object Name** The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE.		8 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		2 V
ZRSCRASH	**DOS File Attribute** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem and/or **H**idden		4 V
ZRSCRSTR	**Restart [Y/N]** You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	**Panel Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, that is Publisher**		20 V
ZRSCSRC	**Resource Source**		1 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]** File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Enables you to skip the reactivation of version resources if the version is already active. **Y** = Skip the rebuilding of version resources. **N** = Rebuild version resources.	Y	1 V
ZRSCTIME	**Panel Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	1 V

	If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both RCA - and non-RCA distributed files. (For example, a RCA -managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM).		
	This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.		

	P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	**Client Instance Update Method** If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M
ZUSERID	**Admin ID**		30 V

Path (PATH) Class

File:	PRIMARY	Description:	This class stores the drive and directory required to install a resource. Packages can be relocated by updating instances of this class.
Domain:	SOFTWARE		
Class:	PATH		
Icon:		Can connect to:	CATALOG, ZSERVICE

PATH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DIR	**Directory** Stores the directory name where the application is installed. The directory name could be selected by the administrator, or it could be selected by the client during the dialog sessions that precede an application install. The value can be substituted from an agent object, or it can be a fully qualified name.		255 V
DRIVE	**Drive** Stores the drive where the application would be installed. The drive name could be selected by the administrator or it could be selected by the client during the dialog sessions that precede an application install. The value can be substituted from an agent object, or it can be		20 V

	a valid drive name on the Agent machine.		
NAME	**Friendly Name**		255 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_ UNDEF_	32 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCPRI	**Priority** Stores the Create priority. The path object should be one of the first objects built on the Agent during an application installation so that all other files, desktop instances, can refer to it. The lower priority instances, or classes, are installed first. Numeric value between 1 and 99.	5	2 V

Registry Resources (REGISTRY) Class

File:	PRIMARY	Description:	An instance of the REGISTRY Class defines a registry resource that is part of a PACKAGE.
Domain:	SOFTWARE		
Class:	REGISTRY		
Icon:		Can connect to:	

REGISTRY Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
DELENUM	**Delete Device Key under Enum\Root** When set to Y, will delete the device key under ENUM which otherwise will not be deleted due to the appearance of two new values after reboot; values that are not managed by Client Automation. For example, [hkey_local_machine\system \currentcontrolset\enum\root\legacy_beep \0000\control] key will be deleted when delenum=y. This prevents "new hardware found" pop up panels when the service is deleted.	N	1 V

DELNTSCM	**Delete SCM Keys/Values [Y/N]**	Y	2 V
DEPTH	**Registry Depth**	&(ZCURRENT. ZCURDEPT)	20 V
ENUMPROC	**Process Control Key under Enum\Root**	N	1 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.	RADREG32	50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.	RADREG32	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPRI	**Priority [OO00-99]**	55	2 V
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M

ZPUBVER	**Publisher Version**	_UNDEF_	8 V
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**		1 V
ZRSCNAME	**Resource Name** Name or description of resource.	&ZRSCFIL	30 V
ZRSCPADM	**Admin ID**		30 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCRSTR	**Restart [Y/N]**	N	1 V
ZRSCSIG	**File Signature**		32 v
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**File Type [BINARY/TEXT/EDMFILE]**	EDMFILE	8 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8

			V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both RCA - and non-RCA distributed files. (For example, a RCA -managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM).	U	1 V
	This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		

	U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**		50 M

Replace Application (REPLACE) Class

File:	PRIMARY
Domain:	SOFTWARE
Class:	REPLACE

REPLACE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name**		50 V
REPLACE1 Thru REPLACE9	**Replace Service Name**	_UNDEF_	32 V
REPOPT	**Replace Action**	DELETE	8

	[DELETE/YIELD/COEXIST]		V
ZSTOP000	**Stop Expression**		100 E

Scheduling (TIMER) Class

File:	PRIMARY	Description:	Use the TIMER Class to schedule service deployments. For more information, see *Radia Client Automation Enterprise Administrator User Guide*.
Domain:	SOFTWARE		
Class:	TIMER		
Icon:		Can connect to:	

TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ ALWAYS_ class connection is always resolved.		50 C
APPSVC	**Application**		32 V
DOMAIN	**Server Domain Name**	&(ZMASTER .ZDOMNAME)	32 V
IPADDR	**Server IP Address/Name**	&(ZMASTER .ZIPADDR)	32 V
MGRNAME	**Server Name**	&(ZMASTER .ZMGRNAME)	32 V
NAME	**Friendly Name**		80 V
NETAVAIL	**Check Network Availability [Y/N/W]** Checks for network availability before executing the command		1 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PINGCNT	**Number of Ping Attempts** This attribute sets the number of ping	3	2 V

PINGDLAY	**Time between Pings (in msec)** This attribute sets the amount of time between pings in msec.	2000	6 V
REQUEST	**Application Request**	"Apply Updates"	32 V
RUNSYNC	**Synchronous Timer Execution [Y/N]** This attribute sets the value of Yes or No for the synchronous timer execution. The default value is Yes.	Y	1 V
SOCKET	**Server Socket Number**	&(ZMASTER .ZDSTSOCK)	32 V
ZCHNNAME	**Channel [DOMAIN] Name**	&(ZSERVICE. ZOBJDOMN)	32 V
ZCREATE	**Client Create Method** RCA-supplied method or fully qualified, user-defined method. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZDELETE	**Client Delete Method** RCA-supplied method or fully qualified, user-defined method. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZNOPING	**Stop RCS Detection [Y/N]** Controls the automatic sensing of a network connection between the agent computer and the Configuration Server. An expired time will continually evaluate whether communications with the Configuration Server can be established. When communications are established, the command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again. This attribute is especially useful for mobile users. **Note:** In order to use this attribute, you must add it to the TIMER Class template.	Y	1 V

ZOBJPRI	**Priority [00-99]** Sets the priority for deployment of the ZTIMEQ object. The ZTIMEQ object is deployed relative to the other elements being deployed during the agent connect. The elements with a priority number less than the value of ZOBJPRI are deployed before the ZTIMEQ object. A value of 90 is inherited from the base instance and should not be changed.	90	2 V
ZPRVNAME	**Provider (Manager) Name**	&(ZSERVICE .ZMGRNAME)	32 V
ZRSCCMDL	**Command Line to Execute** This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.	radskman req=	255 V
ZSCHDEF	**Time Parameter** Indicates when the timer expires. The syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.		50 V
ZSCHFREQ	**Frequency [PERIODIC/ONCE/RANDOM]** Use this attribute to specify how often the timer should expire. **ONCE** = expire one time **PERIODIC** = expire repeatedly **RANDOM** = expire in random intervals	PERIODIC	10 V
ZSCHMODE	**Timer Owner [MANAGER/DEFAULT]** This attribute specifies the timer owner. It is recommended that you leave the default configuration of USER.	DEFAULT	32 V
ZSCHTYPE	**Type [IMMEDIATE/DEFERRED]** *Used only when ZSCHFREQ = PERIODIC*. Set ZSCHTYPE to DEFERRED to indicate that the first time an event is attempted to be launched, it will be deferred until the *next* scheduled time, no matter when the timer instance is evaluated. This was designed to handle the case of a daily 4 AM (non-peak) scheduled event that is sent to the agent computer during the day. If it was not deferred, it would launch during the day instead of "waiting" until the next morning.	DEFERRED	10 V

	: Suppose you create and deploy a timer with the ZSCHDEF = DAILY(&ZSYSDATE,4:00:00) If ZSCHTYPE = IMMEDIATE and it is: Before 4:00:00, the command in the instance will be executed the same day at 4:00:00 After 4:00:00, the command in the instance will be executed immediately If ZSCHTYPE = DEFERRED and it is: Before 4:00:00, the command in the instance will be executed the *next* day at 4:00:00 After 4:00:00, the command in the instance will be executed the *next* day at 4:00:00 **Example 2**: Suppose you create and deploy a timer with the ZSCHDEF = WEEKDAY(FRIDAY,4:00:00) If ZSCHTYPE = IMMEDIATE and it is: Not Friday or Friday and before 4:00:00, the command in the instance will be executed on Friday at 4:00:00 Friday and after 4:00:00, the command in the instance will be executed immediately If ZSCHTYPE = DEFERRED and it is: Not Friday or Friday and before 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00 Friday and after 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00		
ZSTOP	**Stop Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZSVCOID	**Service ID** This attribute specifies the object ID of the Application instance that this Scheduling instance is connected to. This value is inherited from the base instance and should not be modified.	&(ZSERVICE.ZOBJID)	80 V
ZUPDATE	**Client Update Method** The Scheduler UPDATE method that runs on the agent computer. This value is	radtimeq	80 M

ZVERIFY	**Client Verify Method**	radtimeq	80 M

SD Packages (SD) Class

File:	PRIMARY	Description:	The SD Class applies to the HP-UX operating system. When you publish native UNIX software with Client Automation Native Packaging, the depot containing native software in compressed format is promoted to the SD Class, similar to the UNIXFILE Class. For more information, see the *Radia Client Automation Enterprise Administrator User Guide*.
Domain:	SOFTWARE		
Class:	SD		
Icon:		Can connect to:	

SD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ADDDEPS	**Auto-select Dependencies [Y/N]**	N	1 V
AUTOBOOT	**Allow Automatic Reboot [Y/N]** Set to Y in SD Class instance in case you have wrapped SD software that contains reboot file set.	N	1 V
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
CONTENTS	**Required Packages Included in Tar**		255 V
COREQ	**Corequisites Required**		255 V
EXREQ	**Exrequisites**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
INSTOPTS	**Package Install Options**		60 V

LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PREREQ	**Prerequisites Required**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to install software.	hide nvdkit method	60 V
ZDELETE	**Method to De-install Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to remove software. **Note:** On HP-UX, when a native software application is removed, the application files are deleted, but the directory structure will remain.	hide nvdkit method	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Resource Repair Method** Uses method "Harness" call. The client side script	hide nvdkit method	60 M

	or `svr4.tcl`) contains a native command call to repair installed software (reinstall).		
ZRSCCFIL	**SD Depot File Name** Specifies path to the file that is included in this instance. The file contains HP-UX or Solaris software.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 M
ZRSCNAME	**SD Product Spec** Specifies a string that is used by native methods to identify software contained in the published depot. This is the complete software spec on HP-UX (tag, version, architecture, and vendor) and the SVR4 package name on Solaris.	_BASE_ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 = Highest priority 10 = Default value 99 = Lowest priority	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote**		11

			V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both RCA- and non-RCA distributed files. (For example, a RCA-managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in	Y	8 V

	use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM).		
	This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If theZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to update software.	hide nvdkit method	60 V
ZVERIFY	**Method to Verify Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to verify installed software.	hide nvdkit method	40 M

Solaris Patches (SOLPATCH) Class

File:	PRIMARY	Description:	Solaris operating system only, This class is required by the Native Packaging Feature of the Batch Publisher.
Domain:	SOFTWARE		
Class:	SOLPATCH		
Icon:		Can connect to:	

SOLPATCH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BACKUP	**Backup Patched Files [Y/N]**	Y	1 V
CLUSTER	**Is this a Patch Cluster [Y/N]**		1 V
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
CONTENTS	**Required Packages Included in Tar**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
INCOMPS	**Incompatible Patches**		255 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
OBSOLETE	**Obsolete Patches**		255 V

PKGS	**Patched Packages**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
REQUIRES	**Required Patches**		255 V
UNCONINS	**Unconditionally Install Patch [Y/N]**	N	1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.	hide nvdkit method	60 M
ZDELETE	**Method to De-Install Resource**	hide nvdkit method	50 M
ZFILEUPD	**Client File Update/Add Method**		50 M
ZINIT	**Resource Initialization Method**		50 M
ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGUID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Method to Repair Resource**	hide nvdkit method	60 M
ZRSCCFIL	**Patch Depot File Name:** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]**	Y	1 V
ZRSCCRC	**Resource CRC**		8 V

ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCMO	**Mandatory/Optional on Client [M/O]**	M	1 V
ZRSCNAME	**Solaris Patch ID**	_BASE_ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVERS	**Resource Version – From Promote**		12 V
ZRSCVRFY	**Verify Resource File on Connect**	Y	8 V
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**	hide nvdkit method	60 M
ZVERIFY	**Method to Verify Resource**	hide nvdkit method	40 M

SVR4 Packages (SVR4) Class

File:	PRIMARY	Description:	The SVR4 Class applies to the Solaris operating system. When you publish native UNIX software with Native Packaging, the depot containing native software in compressed format is promoted to the SVR4 Class, similar to the UNIXFILE Class. For more information, see the *Radia Client Automation Enterprise Administrator User Guide*.
Domain:	SOFTWARE		
Class:	SVR4		
Icon:		Can connect to:	

SVR4 Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ADMIN	**Admin File Exists? [Y/N]**		1 V
ADMINOBJ	**Is this admin object? [Y/N]**		1 V
AUTOBOOT	**Allow automatic reboot [Y/N]**		1 V
CMPD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
CONTENTS	**Required Packages Included in Tar**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
INCOMP	**Incompatible Packages**		255 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V

OBJGUID	**Instance GUID:** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PKGVER	**Package Version**		50 V
PKGREV	**Package Revision**		50 V
PREREQ	**Prerequisites Required**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
RESPFILE	**Response File Path**		80 V
RESPOBJ	**Is this response object? [Y/N]**	N	1 V
REVERSE	**Reverse Dependency Packages**		255 V
RESPONSE	**Response file exist? [Y/N]**	N	1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to install software.	hide nvdkit method	60 V
ZDELETE	**Method to De-install Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to remove software. **Note:** On HP-UX, when a native software application is removed, the application files are deleted, but the directory structure will remain.	hide nvdkit method	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M

ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Method to Repair Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to repair installed software (reinstall).	hide nvdkit method	60 M
ZRSCCFIL	**SVR4 Depot File Name** Specifies path to the file that is included in this instance. The file contains Solaris software.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 M
ZRSCNAME	**SVR4 Package Tag** Specifies a string that is used by native methods to identify software contained in the published depot. This is SVR4 package name.	_BASE_ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority	50	2 V

	10 = Default value **99** = Lowest priority		
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both RCA - and non-RCA distributed files. (For example, a RCA -managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed.	Y	8 V

	D = File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced.		
	Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks theinternal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method** Uses method "Harness" call. The agent side script (`sd.tcl` or `svr4.tcl`) contains a native command call to update software.	hide nvdkit method	60 V
ZVERIFY	**Method to Verify Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to verify installed software.	hide nvdkit method	40 M

TPM Configuration (TPMCFG) Class

File:	PRIMARY	Description:	This class is reserved for future use.
Domain:	SOFTWARE		
Class:	TPMCFG		

TPMCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BOOTOPT	**Boot option [NONE PROMPT REJECTPROM**		16 V
RBPATH	**Backup Archive Path**		255 V
STATE	**TPM progress**		32 V
TPMERF	**Emergency Recovery File Path**		255 V
TPMRES	**TPM password Reset File Path**		255 V
ZPWD1	**Password 1 BIOS**		255 V
ZPWD2	**Password 2 TPM Owner Password**		255 V
ZPWD3	**Password 3 Emergency Recovery Token**		255 V
ZPWD4	**Password 4 Password Reset token**		255 V

Unix File Resources (UNIXFILE) Class

File:	PRIMARY	Description:	An instance of the UNIXFILE Class defines a file, or a group of files, to include in an application service. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Domain:	SOFTWARE		
Class:	UNIXFILE		
Icon:		Can connect to:	

UNIXFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
DIRPERMS	**Perms for newly created directories** Permissions assigned to newly created directories.		4 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** RCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** RCA-supplied method or fully qualified, user-defined method.	RADREMF	50 M
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. RCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOBJPTCH	**Perform Patching [Y/N]**	Y	1 V

ZOPENERR	**Client Method on File Open Error** RCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V
ZREPAIR	**Client Instance Repair Method**		50 V
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name** Name or description of resource.	&ZRSCCFIL	30 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**File Permissions**		4

			V
ZRSCRSTR	**Restart [Y/N/R]** Y to restart. Set to **R** to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	Y	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag[Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both RCA - and non-RCA distributed files. (For example, a RCA -managed application file or `CONFIG.SYS` file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed.	Y	8 V

	T = The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced.		
	Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**		50 M

Version Groups (VGROUP) Class

File:	PRIMARY	Description:	Each instance of the Version Group (VGROUP) class defines a set of versions for an application. This class contains connections to the Versions (VERSION) class, created using the Version Group Editor in the CSDB Editor.
Domain:	SOFTWARE		
Class:	VGROUP		
Icon:		Can connect to:	

VGROUP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTDATE	**Activated date/time** Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by Agent.		32 V
CONTROL	**Vgroup Control [CLIENT/MANAGER]** Indicates whether the Client Automation administrator (MANAGER) or the subscriber (CLIENT) controls which version to activate on the agent computer.	MANAGER	8 V
CURVERS	**Currently active version** Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by Agent.		32 V
INITIAL	**Initial version to Activate** Indicates which version to activate on the agent computer.		32 V
NAME	**Friendly Name** The friendly name for the VGROUP instance.		255 V
NEXTVERS	**Next version to activate** Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by Agent.		32 V
REQACTDT	**Requested Activation Date YYYYMMDD** The earliest date on which a version in this version group will be activated on any agent computer.		8 V
REQACTTM	**Requested Activation time HH:MM:SS** The earliest time, on the date specified by the REQACTDT attribute, after which a version in the		8 V

	version group will be activated on any agent computer.		
ROLLBACK	**Rollback if install fails [Y/N]** Indicates whether to automatically roll back to the previously activated version when deployment of a new version fails.	Y	1 V
SOURCE	**Source for currently active version** Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by the Agent.		8 V
STATUS	**Status of current version – 000** Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by the Agent.		3 V
TIMERCON	**Timer for next Version Activation** If you specify a "next version to activate," the CSDB Editor automatically creates a timer and stores the connection to that timer in this attribute.		50 C
VERCON01 to VERCON05	**Version Connection** Connects to each version in the version group. Each VERCON0*n* attribute contains a connection to one instance of the VERSION Class. This is set when you assign a version to the version group in the Version Group Editor.		50 C
ZSTOP001 to ZSTOP003	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

Versions (VERSION) Class

File:	PRIMARY	Description:	Each instance of the VERSION Class defines one *version* of an application to be deployed and managed by Client Automation. Use the Version Group Editor to create Versions class instances and assign them to a Version Group.
Domain:	SOFTWARE		
Class:	VERSION		
Icon:		Can connect to:	

VERSION Class Attribute Reference

Attribute	Explanation	Value of	Length

Name		Base Instance	Type
NAME	**Friendly Name** The friendly name for the VERSION instance. This is set when you create the instance using the Version Group Editor.		255 V
PACKAGE	**Package Connection** Connects to a PACKAGE Class instance, which represents the packaged software for this version.		50 A
ZSTOP001 to ZSTOP003	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

WTS App Comp Scripts (WTSACS) Class

File:	PRIMARY	Description:	This class contains one instance for each Windows Terminal Server Application Compatibility Script required for an application. ACS are published into the database by an administrator. Use the instances in this class to configure the ACS.
Domain:	SOFTWARE		
Class:	WTSACS		
Icon:		Can connect to:	

WTSACS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BDELETE	**Method Before Delete**		50 M
LOCATION	**Location**	&(ZMASTER.ZLIBDRV)&(ZMASTER.ZLIBDRV)	255 V
NAME	**Friendly Name**	Defaults	80 V
TYPE	**Install, Logon, Uninstall (I/L/U)**		1 V
ZCMPSIZE	**Compressed File Size**		11 V
ZCREATE	**Method to Install Resource**		50 M

ZDELETE	**Method to De-install Resource**	RADREMF	50 M
ZRSCCFIL	**Resource File Name**		255 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCNAME	**Resource Name**	&ZRSCCFIL	30 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVRFY	**Verify Resource Files on Connect**	Y	8 V
ZSTOP000	**Stop Expression**	/(EDMGETV(ZCONFIG.WTSSRVR='Y'))	50 E

WTS Control (WTSCTRL) Class

File:	PRIMARY	Description:	Instances in this class describe some behaviors you may need for the application, if you require logoffs for application events, the type of install and the timeout settings.
Domain:	SOFTWARE		
Class:	WTSCTRL		
Icon:		Can connect to:	

WTSCTRL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
LD	**Logoff For Delete [Y/N]**	Y	1 V
LI	**Logoff For Install [Y/N]**	N	1 V
LR	**Logoff For Repair [Y/N]**	Y	1 V
LU	**Logoff For Update [Y/N]**	Y	1 V
NAME	**Friendly Name**	Default	80 V
RW	**Rewarn of Logoff at [minutes]**	2	2 V
TO	**Disconnect Time Out [minutes]**	15	4 V
WTSOPTNS	**WTS Logoff Settings**	LI=&(LI),LU=&(LU),LR=&(LR), LD=&(LD),TO=&(TO),RW=&(RW)	60 V
WTSTYPE	**Install / Execute Mode [I/E]** Set to I to install files natively on the Windows Terminal Server such as applications that an administrator may use specifically on the server. Set to E for an application that will be used by the Window Terminal Server's agents.	E	1 V

Chapter 12

The SYSTEM Domain

The SYSTEM Domain contains administrative and process control definitions. These commands, methods, processes, tables, and system files are used for deploying applications.

Application Manager (ZCOMMAND) Class

File:	PRIMARY	Description:	Create an instance of the ZCOMMAND Class to define a customized command.
Domain:	SYSTEM		
Class:	ZCOMMAND		
Icon:		Can connect to:	

ZCOMMAND Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name**		32 V
ZCMDDSC1	**Command Description 1**		255 V
ZCMDDSC2	**Command Description 2**		255 V
ZCMDNAME	**Command Name**		8 V
ZCMDOPTN	**Command Option**		8 V
ZCMDPATH	**Fully Qualified Path for CMD** Location of the command.		255 V
ZCMDPRMS	**Parameters Passed to the Command**		255 V
ZCMDSEP	**Separator to Use for the Parameters** Separator used for parameters in user-defined commands.		1 V

ZCMDSYNC	**Synchronize Flag [Y/N]**	N	1 V
ZCMDTYPE	**Command Type [REXX/EXE]**		8 V
ZCMDUCLS	**USER Class Name** USER Class name. This is the name of the class in which to look for users connected to the dropee. For example, if the value is set to COMPUTERS and the dropee is WORKGRP.ACCOUNTING, instances of the COMPUTERS Class that are members of WORKGRP.ACCOUNTING will be the selected audience for the notification. If ZCMDUCLS is not specified, then (using the above example) the audience will be created by instances of the COMPUTERS Class that are members of WORKGRP.ACCOUNTING. The default for ZCMDUCLS is USER.	USER	8 V

Consoles (ZCONSOLE) Class

File:	PRIMARY	Description:	Reserved for future use.
Domain:	SYSTEM		
Class:	ZCONSOLE		
Icon:		Can connect to:	

ZCONSOLE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCOMMAND	Console Operation		8 V

DB Version (DBVER) Class

File:	PRIMARY	Description:	Defines the version of the CSDB.
Domain:	SYSTEM		
Class:	DBVER		
Icon:		Can connect to:	

DBVER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DBVER	**Radia Template DB Version**	7.50.000	50 V

LICENSE (LICENSE) Class

File:	PRIMARY	Description:	This class is reserved for future use.
Domain:	SYSTEM		
Class:	LICENSE		

LICENSE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
KEY	**License Key**		128 V

Methods (ZMETHOD) Class

File:	PRIMARY	Description:	Defines how to invoke an external method or program.
Domain:	SYSTEM		
Class:	ZMETHOD		
Icon:		Can connect to:	

ZMETHOD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DESCRIPT	**Method Description** Stores a brief description of the method (informational). Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).	Manager Method &ZMTHNAME	70 V
ZMTHDSC1	**Method Description 1**		255 V

ZMTHDSC2	**Method Description 2**		255 V
ZMTHMODE	**Mode [INTERNAL/EXTERNAL]**	EXTERNAL	8 V
ZMTHNAME	**Member Name of Method**		8 V
ZMTHPRMS	**Parameters Passed to Method**		80 V
ZMTHSYNC	**Synchronization Flag [Y/N]**	Y	1 V
ZMTHTYPE	**Method Type [REXX/ASM/EXE]**		8 V
ZMUSTRUN	**Return Code critical to Resolution?**	Y	1 V
ZSTOP001	**Stop Method**		255 E

Radia Intent Class (ZINTENT) Class

File:	PRIMARY	Description:	Allows resolution to take different paths depending on the SESSION.INTENT (self maintenance, catalog resolution, service resolution, etc…).
Domain:	SYSTEM		
Class:	ZINTENT		
Icon:		Can connect to:	

ZINTENT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Method**		80 M
ALWAYS	**Connect To**		80 C
ALWAYS	**Connect To**	SYSTEM.ZPRODUCT. _NULL_INSTANCE_	80 C
DESCRIPT	**Process Description**		32 V
ZMAXOKRC	**Max acceptable method Return Code**	008	3 V

Radia Processes (PROCESS) Class

File:	PRIMARY	Description:	Defines what actions to take when a client object is received.
Domain:	SYSTEM		
Class:	PROCESS		
Icon:		Can connect to:	

PROCESS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Method** Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved.		50 M
ALWAYS	**Connect To** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
DESCRIPT	**Process Description** Stores a brief description of the process (informational). Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).	Processing Client request for &ZCUROBJ	80 V
ZMAXOKRC	**Maximum Acceptable Method Return Code**	008	3 V

Radia Processes (ZPRODUCT) Class

File:	PRIMARY	Description:	ZPRODUCT further refines resolution by product based on PREFACE.ZDOMNAME (software, OS, PATCH, etc…).

Domain:	SYSTEM		

Class:	ZPRODUCT		
Icon:		Can connect to:	

ZPRODUCT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Method**		80 M
ALWAYS	**Connect To**		80 C
ALWAYS	**Connect To**	PRIMARY.POLICY.USER/&(ZMASTER.ZUSER)	80 C
DESCRIPT	**Process Description**	Processing Client Request for &ZCUROBJ	32 V
ZMAXOKRC	**Max acceptable method Return Code**	008	3 V

SQLTABLE (SQLTABLE) Class

File:	PRIMARY	Description:	An instance of the SQLTABLE Class defines the parameters necessary to populate a table in an SQL Database.
Domain:	SYSTEM		
Class:	SQLTABLE		
Icon:		Can connect to:	

SQLTABLE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**RDM Method** Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved.	SYSTEM.ZMETHOD .PUT_SQL_OBJECT	50 C
DESTOBJ	**Destination Object**		32 V
PUTTYPE	**Insert/Replace [I/R]** Indicator for type of operation to be performed on the back-end database.		1 V
SQLDSN	**DSN Name** The ODBC data source name (DSN) to be used to connect to the SQL database.		50 V

SQLPASSW	**Password** The password to use in the database connect process.		50 V
SQLTABLE	**Table Name** The file name of the SQL table in the SQL database into which EDMMSQLP will store the data.		50 V
SQLTOUT	**Time Out (in seconds)** Timeout value for the SQL Connect operation.	30	3 V
SQLUSER	**User Name**		50 V
SRCOBJ	**RDM object containing information** The name of the Client Automation source object containing the data to be recorded. When recording Client Automation events, this must be APPEVENT.	&(ZCURPCLS)	32 V
VC000 to VC009	**Columns 1 to 10** Defines the correspondence between a variable in the Client Automation source object and the column in the back-end database table where it will be stored. One VC*nnn* value must be specified for each variable-column pair participating in the operation. Each VC*nnn* variable is coded as follows: **VARNAME[,COLUMN_NAME [,U]]** **VARNAME** is the name of the variable in the RCA object whose value will be transferred to the back-end database. **COLUMN_NAME** is the name of the column in the back-end database table that will receive the data from the VARNAME variable. If COLUMN_NAME is omitted, VARNAME will be used; this assumes that the back-end database table's receiving column is named the same as the RCA object variable supplying its data.		50 V

System Files (ZFILE) Class

File:	PRIMARY	Description:	Reserved for future use.
Domain:	SYSTEM		
Class:	ZFILE		
Icon:		Can connect to:	

ZFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZMETHOD	**Method**		50 M
ZUSERID	**User ID**		8 V

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Product name and version: Radia Client Automation Enterprise Configuration Server Database, 9.00

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