HP Configuration Management

Configuration Server

for UNIX® and Windows® operating systems

Software Version: 5.10

Database Reference Guide

Legal Notices

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Documentation Updates

This guide's title page contains the following identifying information:

- Software Version number, which indicates the software version
- Document release date, which changes each time the document is updated
- Software release date, which indicates the release date of this version of the software

To check for recent updates or to verify that you are using the most recent edition, visit the following URL:

ovweb.external.hp.com/lpe/doc_serv/

You will also receive updated or new editions if you subscribe to the appropriate product support service. Contact your HP sales representative for details.

Table 1 lists new features added for the Configuration Management v 5.10 release.

Table 1   New features added for Configuration Management 5.10

Chapter	Version	Changes
All	5.10	Added additional information for valid ZRSCVRFY flags where appropriate.
1	5.10	Information about the CM Configuration Baseline Auditor was removed.
4	5.10	Added RADALERT class. This class is reserved for future use.
7	5.10	Removed ZSYNC attribute from Country class.
8	5.10	Added TPMCFG class. This class is reserved for future use.
9	5.10	Added LICENSE class. This class is reserved for future use.

Table 2 indicates changes made to this document for earlier releases.

Table 2   Document Changes

Chapter	Version	Changes
All	5.00	The NOVADIGM domain was removed in version 5.00.

Chapter	Version	Changes
3	5.00	ZBITARCH attribute added to AUDIT.ZSERVICE and AUDIT.PACKAGE
3	5.00	RPTCLASS and TIMEOUT attributes added to AUDIT.WBEM
8	5.00	ZBITARCH attribute added to SOFTWARE.ZSERVICE and SOFTWARE.PACKAGE
8	5.00	DIRPERMS attribute added to SOFTWARE.UNIXFILE
4	5.00	SAP Class, new attribute added: NETTTL
4	5.00	SETTINGS Class, new attribute added: NETTTL
4	5.00	SETTINGS Class, new attribute added: FLUSHU
8	5.00	SD Class, new attribute added: INSTOPTS

Support

You can visit the HP Software support web site at:

www.hp.com/go/hpsoftwaresupport

This Web site provides contact information and details about the products, services, and support that HP Software offers.

HP Software online software support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the support site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract.

To find more information about access levels, go to:

http://h20230.www2.hp.com/new_access_levels.jsp

To register for an HP Passport ID, go to:

http://h20229.www2.hp.com/passport-registration.html

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1 Introduction

This chapter contains an overview of the HP Configuration Management Configuration Server Database (CM-CSDB), and describes how to use this guide.

Why use Configuration Management?

Configuration Management (CM) manages the distribution of data based on your *desired state*. A desired state records the identities and intended configurations of the desktop computers or devices whose configurations are managed by CM. The desired state can be simple or complex.

At a minimum, a CM desired state includes the following five elements:

- **Users**
  The identity of the devices or subscribers being managed.

- **Applications**
  The software that is being managed.

- **Application Files**
  The components that make up the applications.

- **Deployment Source**
  The location where the application components are stored, such as on a HP Configuration Management Configuration Server Proxy Server (CM Proxy Server), HP Configuration Management Staging Server (CM Staging Server), or the HP Configuration Management Configuration Server (CM Configuration Server).

- **Deployment Destinations**
  The location to which the application and its files will be distributed such as desktop computers, PDAs, and laptops.

Figure 1   Elements in a desired state
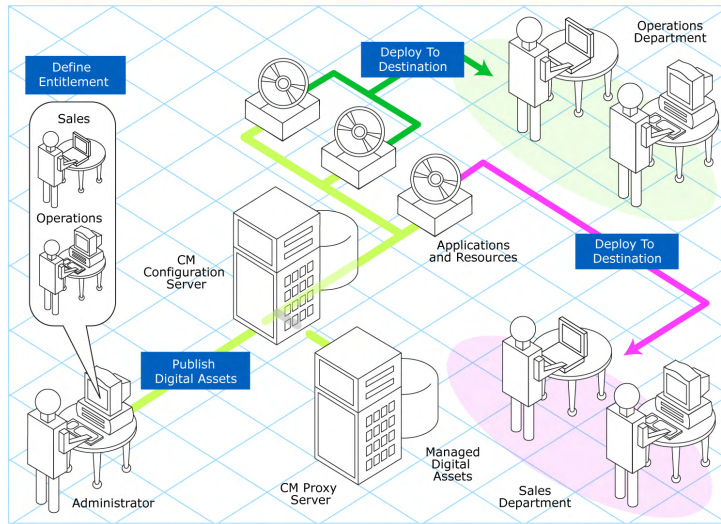
Use CM to manage all of these components. You will publish *packages* of data, determine entitlement policy, and define how the packages will be deployed.

> A *package* is a unit of distributable software or data.

The CM Configuration Server Database

The CM Configuration Server Database (CM-CSDB), stored on the CM Configuration Server, records the desired state. This includes all of the information that CM uses to manage applications on an agent computer, including:

- The software and data that CM distributes.

- The policies determining which subscribers are assigned to which packages.

- Security and access rules for CM administrators.

The CM-CSDB is hierarchically structured. It consists of files, domains, classes, instances, and attributes. Use the HP Configuration Management Administrator Configuration Server Database Editor (CM CSDB Editor) to view and manipulate the CM-CSDB components.

Table 1   CM-CSDB structure

Term	Description
File	Highest level in the hierarchy of the CM-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 CM.
Domain	Logically partitions a CM 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 CM-managed applications. It defines all of the attributes necessary to identify the agent computer to be managed by CM.
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 Value	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 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 CM administrator.

CM-CSDB Files and Domains

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

- The LICENSE File is read-only and used for CM 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. Refer to the *HP Configuration Management Inventory Manager Installation and Configuration Guide (CM Inventory Manager Guide)* for more information.

- Use the CLIENT Domain to configure Client Operations Profiles, including setting access points for application data. Refer to the *HP Configuration Management Application Manager and Application Self-service Manager Installation and Configuration Guide* for more information.

- Use the PRDMAINT Domain to store packages for self-maintenance. Refer to the *CM Application Manager and Application Self-service Manager Guide* for more information.

- Use the PATCH Domain to store the list of available patches within a PATCH CLASS. Refer to the *HP Configuration Management Administrator User Guide (CM Admin User Guide)* for more information.

- Use the POLICY Domain to create users and groups, and to assign users to groups. Refer to the *CM Application Manager and Application Self-service Manager Guide* for more information.

- The SOFTWARE Domain contains information about the software being managed and the methods used to deploy the software. Refer to the *CM Application Manager and Application Self-service Manager Guide* for more information.

- The SYSTEM Domain contains administrative and process control definitions.

Additional Domains

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

- MACHINE (refer to the *HP Configuration Management OS Manager Users Guide [CM OS Manager Guide]*)

- OS, OSJUMP, OSIGNITE, OSKICK, OSNIM, OSYAST (refer to the *CM OS Manager Guide*)

- PATCHMGR (refer to the *for the HP Configuration Management Patch Manager Installation and Configuration Guide [CM Patch Manager Guide])*)

- USAGE (refer to the *HP Configuration Management Application Usage Manager Installation and Configuration Guide [CM Application Usage Manager Guide]*)

- APPMGMT (refer to the *HP Configuration Management Application Management Profiles Guide [CM Application Management Profiles Guide]*)

Refer to the CM product documentation for more information about these domains and their classes and attributes.

Additional Files

As you begin to use CM, the PROFILE File will appear. This file contains information collected from agent computers and appears after the first agent computer has registered with the CM Configuration Server. This information is used to connect to computers to deploy software managed by CM, and to see the configuration of the agent computer. For more information about the PROFILE File, refer to the *CM Application Manager and Application Self-service Manager Guide*.

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. For more information about Notify, see the *CM Application Manager and Application Self-service Manager Guide.*

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 Table 2 on page 18.

Table 2   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 *HP Configuration Management Essentials Guide (CM Essentials Guide)* or the *HP Configuration Management Administrator Configuration Server Database Editor Guide* for more information. • An *Always connection* 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 *Includes connection* is always resolved, no matter what the name of its attribute. • A *Requires connection* 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 *CM Admin 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.

Table 3   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 CM-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

2 The ADMIN Domain

Use the ADMIN Domain to define administrative rights and rules for connecting classes. For more information, see the HP support web site and the *HP Configuration Management Administrator Configuration Server Database Editor Guide* (*CM Admin User Guide*). To read the class reference tables, see the section How to Read the Class Reference Tables on page 19.

Administrator IDs (ADMINID) Class

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

Table 4   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
ADMPFX1 to ADMPFX10	**Application Prefix** Used to restrict access to application-related class instances by the application prefixes assigned to an administrator. Used to control the DEPT, LAN, and PKGR types of administrators.	_NULL_	20 V

Administrator Types (ZADMIN) Class

File:	PRIMARY	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 CM administrator. Also, class instance connection rules, as articulated by instances of the ZLIST Class, can be specified for each instance of the ZADMIN Class.
Domain:	ADMIN		
Class:	ZADMIN		

Icon: Can connect to: ZCONNECT, ZLIST, ZLIST32, ZVERC, ZVERD, ZVERF, ZVERFDCI, ZVERI

Table 5   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 a CM 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 a CM 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 a CM administrator to have.		50 C
LISTFILE	**List Files** Connect this field to the ZLIST32 Class instance. It defines the access you want a CM administrator to have.		50 C

Attribute Name	Explanation	Value of Base Instance	Length Type
LISTINST	**List Class Instances** Connect this field to the appropriate ZLIST Class instance. It defines filters for CM files.		50 C
MASKCLAS	**List Class Masks** Connect this field to the ZLIST Class instance. It defines the access a CM 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 CM files.		50 C
MASKINST	**List Instance Masks**		50 C
VEROBJ	**List Discrete Instances**		50 C

Attribute Verify (ZVERA) Class

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

Table 6   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
MASK	**Mask Filter**		50 C
UPDATE	**Update Filter**		50 C

Class Verify (ZVERC) Class

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

Table 7   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	Description:	The ZCONNECT Class lists the rules for what can be connected to other classes.
Domain:	ADMIN		
Class:	ZCONNECT		
Icon:		Can connect to:	ZLIST

Table 8   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
FILE	**FILE Connect List** This connection field allows you to connect a FILE Class instance to instances of the ZLIST Class.		50 C

Attribute Name	Explanation	Value of Base Instance	Length Type
LOCATION	**Location Connect List** This connection field allows you to connect a LOCATION Class instance to instances of the ZLIST Class.		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
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
SCANNER	**SCANNER Connect List** This connection field allows you to connect a SCANNER Class instance to instances of the ZLIST Class.		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 Class instance to instances of the ZLIST Class. An alphanumeric name defining a new WORKGRP instance.		50 C

Attribute Name	Explanation	Value of Base Instance	Length Type
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	Description:	Reserved for future use.
Domain:	ADMIN		
Class:	ZCONUSER		
Icon:		Can connect to:	

Table 9   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	Description:	Reserved for future use.
Domain:	ADMIN
Class:	CONUSEID
Icon:		Can connect to:	ZCONUSER

Table 10   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
CONNAME	**Console User Name**		25 V

Domain Verify (ZVERD) Class

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

Table 11   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	Description:	Instances of the ZVERF Class can be used to group instances of the ZLIST Class that define file access in your administrator schema.
Domain:	ADMIN		
Class:	ZVERF		
Icon:		Can connect to:	ZLIST32

Table 12   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	Description:	Instances of the ZVERFDCI Class can be used to group instances of the ZLIST Class that define function access in your administrator schema.
Domain:	ADMIN		
Class:	ZVERFDCI		
Icon:		Can connect to:	ZLIST, ZLIST32, ZVERC, ZVERD, ZVERF, ZVERI

Table 13   ZVERFDCI Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
A	**<A>**		50 C
A	**<A>**		50 M
C	**Class Verify**		50 C
C	**Class Ver Method**		50 M
D	**Domain Verify**		50 C
D	**Domain Ver Method**		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	Description:	Instances of the ZVERI Class can be used to group instances of the ZLIST Class that define instance access in your administrator schema.
Domain:	ADMIN		
Class:	ZVERI		
Icon:		Can connect to:	ZLIST32

Table 14   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   Description: The ZLIST Class allows you to specify
Domain: ADMIN   access to eight-character files and class
                                 instances. The instances of the ZLIST
Class: 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 a CM administrator.

Icon: Can connect to:

Table 15   ZLIST Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZNAME01 to ZNAME20	**Name** Allows you to enter access controls for CM 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	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.
Domain:	ADMIN		
Class:	ZLIST32		
Icon:		Can connect to:	

Table 16   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 CM 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

3 The AUDIT Domain

Use the AUDIT Domain to configure tasks that will inventory or audit agent computers' assets. Refer to the *HP Configuration Management Inventory Manager Installation and Configuration Guide* (*CM Inventory Manager Guide)* for additional information. To read the class reference tables, see the section How to Read the Class Reference Tables on page 19

Application (ZSERVICE) Class

File:	PRIMARY	Description:	These are sample services distributed with the HP Configuration Management Inventory Manager (CM 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.
Domain:	AUDIT		
Class:	ZSERVICE		
Icon:		Can connect to:	PACKAGE, FILE, BEHAVIOR, DIALOG, DEPT, WORKGRP, TIMER, VGROUP, STAGER, HTTP, EXECUTE, ZSERVICE, PDACONFG

Table 17   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 always resolved. An Includes connection is used to express inter-package relationships.	AUDIT.PACKAGE .AUDIT_EXECUTE _BEHAVIOR	50 I
ALWAYS	**Utility Resolution Method** Any method you specify for this attribute is unconditionally executed by CM when this instance is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST.		51 M

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM 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]**	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. 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

Attribute Name	Explanation	Value of Base Instance	Length Type
CATGROUP	**Catalog Group Name** Type a name for the catalog that will be displayed to subscribers when they click **Properties** in the CM 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 CM 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 CM 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).		255 V
ERTYPE	**Event Reporting Method [O/E/X]** Set on the CM Configuration Server, this sends an APPEVENT object to the CM 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 CM 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 CM Admin Publisher.		80 V
PRICE	**Price** Type the price of an application that will be displayed to subscribers when they click **Properties** in the CM 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:** **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)**	0	11 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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** = CM 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 CM 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
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the CM 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 CM subscriber 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 computer. The CM agent manages and maintains this attribute.		12 V
VERSION	**Version Description**		255 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZAVIS	**Available, Verified, Installed, Sync F** The CM 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 CM 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 CM 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** CM-supplied method or fully qualified, user-defined method.		100 M
ZDELETE	**Service Delete Method** CM-supplied method or fully qualified, user-defined method**.**		100 M
ZDISCONN	**Disconnect on Install [Y/N]** Allows the client to disconnect from the CM Configuration Server if there is an open session with it. **Y** = Disconnects the client from the CM Configuration Server. **N** = Does not disconnect from the client from the CM Configuration Server.	Y	1 V
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		100 M
ZREPAIR	**Service Repair Method**		100 M

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM-CSDB Editor to set this attribute.		255 E
ZSTOP999	**Stop Unless Radia Connect**		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. **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 CM agent. If you are using CM Application Manager *and* CM 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, User, or Multi-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.		2 V
ZSVCNAME	**Service Name/Description** For example, VB Calculator.	Unknown Service	24 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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 **99** = Lowest priority		2 V
ZSVCRASH	**Verify Attributes [Y/F/D/N]** The CM 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 CM 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.	Y	1 V
ZUPDATE	**Service Update Method** CM-supplied method or fully qualified, user-defined method.		100 M
ZVERIFY	**Service Verify Method**		100 M

Audit Packages (PACKAGE) Class

File:	PRIMARY	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.
Domain:	AUDIT		
Class:	PACKAGE		
Icon:		Can connect to:	DESKTOP, FILE, PATH, MSIFEATS, MSI, PACKAGE, PDACONFG, REGISTRY

Table 18   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM 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 CM 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 architectures.		8 V
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 CM-CSDB Editor to set this attribute.		255 V
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 CM-CSDB Editor to set this attribute.		255 E

Behavior Services (BEHAVIOR) Class

File:	PRIMARY	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.
Domain:	AUDIT		
Class:	BEHAVIOR		
Icon:		Can connect to:	PACKAGE

Table 19   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 CM-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** CM-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Behavior** CM-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. CM-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method**		50

Attribute Name	Explanation	Value of Base Instance	Length Type
	A fully qualified, user-defined method.		M
ZOPENERR	**Client Method on File Open Error** CM-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 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 CM 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 CM 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 CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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. **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.		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 CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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:	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	• 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 CM 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 CM CS 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 CM 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, CM 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		255 E

Attribute Name	Explanation	Value of Base Instance	Length Type
	specific set of users. Use the CM-CSDB Editor to set this attribute.		
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	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.
Domain:	AUDIT		
Class:	CMETHOD		

Icon:

Can connect to: RESEARCH

Table 20   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** CM-supplied method or fully qualified, user-defined method.	Hide nvdkit method	50 M
ZDELETE	**Method to De-install Resource** CM-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 CM-CSDB Editor to set this attribute.		255 E
ZUPDATE	**Client Instance Update Method**	Hide nvdkit method	50 M
ZVERIFY	**Client Instance Verify Method**	Hide nvdkit method	50 M

Desktop (DESKTOP) Class

File: PRIMARY   Description: This class is reserved for future use.

Domain: AUDIT

Class: DESKTOP

Icon: Can connect to: CATALOG, ZSERVICE

Table 21 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** CM-supplied method or fully qualified, user-defined method.	RADCLNK	50 M
ZDELETE	**Method to Delete Link** CM-supplied method or fully qualified, user-defined method.	RADDLNK	50 M

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM-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
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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	Description:	Defines file scans, such as auditing system DLLs.
Domain:	AUDIT		
Class:	FILE		
Icon:		Can connect to:	

Table 22   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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. • **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 CM 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.	YYYYNNN	7 V
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	Length Type
OUTPUT	**Output Object Name**	FILEAUDT	8 V
PRODUCT	**Product Name** See ZVERINFO for more detail.		26 V
PRODVERS	**Version** See ZVERINFO for more detail.		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 Directo**ry Location**		80 V
ZRSCMMEM	**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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCVLOC	**Virtual Manager Location** The location on the CM 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 CM Configuration Server. The 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)	_BASE_INSTANCE_	32 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 CM-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

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.

Can connect to:

Table 23   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	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.
Domain:	AUDIT		
Class:	FILTER		

Icon: Can connect to:

Table 24 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 CM 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: -1 root directory and all of its subdirectories 0 root directory only 1 root directory and its files >1 root 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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	Description:	Contains the attributes that offer options that control an inventory management task. For additional information, see the *CM Inventory Manager Guide*.
Domain:	AUDIT		
Class:	RIMOPTS		

Icon: Can connect to:

Table 25   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 CM-CSDB Editor.	Default	80 V
RUNEXEC	**Run Execute on [I,V,U]** Indicated what actions the CM 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 CM Inventory Manager agent. In all cases, this values should remain set to I.	I	1 V

Inventory Scanners (SCANNER) Class

File:	PRIMARY	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.
Domain:	AUDIT		
Class:	SCANNER		
Icon:		Can connect to:	CMETHOD

Table 26   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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	Description:	This class stores the drive and directory required to install a resource. Packages can be relocated by updating instances of this class.
Domain:	AUDIT		
Class:	PATH		
Icon:		Can connect to:	DESKTOP, FILE, PATH, MSIFEATS, MSI, PACKAGE, PDACONFG, REGISTRY

Table 27   PATH 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	Description:	The REGISTRY Class uses WMI to obtain a Registry scan of a Windows machine.
Domain:	AUDIT		
Class:	REGISTRY		
Icon:		Can connect to:	

Table 28   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 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 CM-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 Description: This class contains the instances that
Domain: AUDIT enable the CM administrator to set a
Class: TIMER timer on agent computers. One or
multiple auditing services can be
processed whenever the timer expires.

Icon: Can connect to:

Table 29   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 attempts to be made by the CM Configuration Server.	3	2 V
PINGDLAY	**Time between Pings (in msec)** This attribute sets the amount of time between pings in msec.	2000	6 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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** CM-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** CM-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 CM Configuration Server. An expired time will continually evaluate whether communications with the CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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]** 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	DEFERRED	10 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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   Description: UNIX permissions.

Domain: AUDIT

Class: UNIXPERM

Icon: Can connect to:

Table 30   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 CM Configuration Server during a FILE audit.

Can connect to:

Table 31   MGRVLOC Class Attribute Reference

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

WBEM (WBEM) Class

File:	PRIMARY	Description:	This class contains instances that define CM Inventory Manager scans of WMI Classes. These can include any class in the WMI database such as Win32_ Services. This example would provide information on Windows 2000 services.
Domain:	AUDIT		
Class:	WBEM		

Icon: Can connect to:

Table 32   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. • **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	YYYYXXN	7 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM-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 CM 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

4 The CLIENT Domain

Use the CLIENT domain to configure Client Operations Profiles, including setting access points for application data. Refer to the *HP Configuration Management Application Manager and Application Self-service Manager Guide* for additional information. To read the class reference tables, see the section How to Read the Class Reference Tables on page 19.

Alert Management (RADALERT) Class

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

Table 33   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
WMIALERT	**Monitor WMI BIOS Events [Y/N]**	N	! V

Core Settings (SETTINGS) Class

File:	PRIMARY	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.
Domain:	CLIENT		
Class:	SETTINGS		
Icon:		Can connect to:	

Table 34   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 CM 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	
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 *System Drive*:\Program Files\Hewlett-Packard\CM\Lib\RADSETUP. This information will be sent to the CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYSS	**Always Upload CFG Objects [Y/N]** Always upload all objects in the RADSETUP directory. The default location for the RADSETUP directory is *System Drive*:\Program Files\Hewlett-Packard\CM\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 CM Configuration Server specified on the command line. If not specified, the ROLE is set to A (All), and the CM 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.		
DISKFREE	**Minimum Free Disk Space Threshold** Specify a minimum of free disk space for CM 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 *System Drive*:\Program Files\Hewlett-Packard\CM.	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 *System Drive*:\Program Files\Hewlett-Packard\CM.		80 V

Attribute Name	Explanation	Value of Base Instance	Length Type
EXBOUTBX	**Pre Outbox Script** Specify a script that can run after service processing, but before the objects in the outbox are flushed to the CM 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 System Drive:\Program Files\Hewlett-Packard\CM.	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) **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.	Y	1 V
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 CM 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 CM Configuration Server, then set LSCRIPT=Y.	Y	1 V
NAME	**Friendly Name** Type the friendly name of the instance.		50 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM Configuration Server if the CM Configuration Server pushes back on the agent connect. Set to 1 to 999 for number of retries if the CM Configuration Server pushes back.	0	1 V
RAD2XUI	**Enable RADUI 2.x** Specify **Y** to view the vintage CM UI dialogs. Use this if you are not using CM System Tray or if you want a message to pop up on the screen in addition to the CM System Tray.		
RADTRAY	**Radtray Command Line Arguments** Set command line arguments you want to use for the CM System Tray. Specify **Y** for the first argument to enable the CM 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 CM 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 CM System Tray in console mode and does not display the PAUSE button.		

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM Configuration Servers, set RCSDATA to N.	Y	1 V
REMUNINS	**Allow Remote Notify Uninstall [Y/N]** Specify **Y** to stops notifies from remote machines from uninstalling a service. This does not stop applications from being un-installed as part of a policy change if a normal agent connect is started from a remote notify. The remove notify string must contain the text req="Un-install."		
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 CM 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 CM Configuration Server immediately (I) after they are created. This requires multiple disconnects and reconnects to the CM Configuration Server.	I	

Attribute Name	Explanation	Value of Base Instance	Length Type
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 existing timeout value on the Agent.		4 V
USEDEFS	**Use Default SAP [Y/N]** If a SAP cannot be found for the needed ROLE, specify Y to default to the CM 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 *SystemDrive*:\Program Files\Hewlett-Packard\CM\Lib\RADSETUP. This information will be sent to the CM Configuration Server for all resolution processes.	N	1 V

Diagnostics (DIAGS) Class

File: PRIMARY   Description: Use this class to override default trace settings on the CM agent computer.

Domain: CLIENT

Class: DIAGS

Icon: Can connect to:

Table 35   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 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.	N	1 V
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   Description:

Domain: CLIENT

Class: RADHWCFG

Icon: Can connect to:

Table 36   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. **ZCONFIG attributes:** REBOOTD, REBOOTT, WTSSRVR, ZHDWLANG, ZHDWOS, ZHDWOSDB, ZHDWOSOG, ZHDWOSOW, ZHDWSVCP	Y	1 V
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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
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

Network Locations (LOCATION) Class

File:	PRIMARY	Description:	Use instances in the LOCATION Class to define the priorities of your Server Access Profile based on location criteria.
Domain:	CLIENT		
Class:	LOCATION		
Icon:	http ftp	Can connect to:	DIAGS, SETTINGS, SAP

Table 37   LOCATION Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name** Type the friendly name of the instance.		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.		
ALWAYS	**Hardware Class Connection** Specify an instance in the RADHWCFG Class.		
ALWAYS	**Class Connection** Specify an instance in any class to connect to this Location instance.		
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** Specify an SAP 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** Specify an SAP instance for the priority entered into SAPPRI above this attribute.		100 A

Attribute Name	Explanation	Value of Base Instance	Length Type
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** Specify an SAP 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
ALWAYS	**Connect to** Specify an SAP 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** Specify an SAP 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** Specify an SAP 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** Specify an SAP instance for the priority entered into SAPPRI above this attribute.		100 A

RSM UI Preferences (RADUICFG) Class

File: PRIMARY Description:

Domain: CLIENT

Class: RADUICFG

Icon: Can connect to:

Table 38 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 CM 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
COLORSET	**Colors [SYSTEM/DEFAULT/CUSTOM/USER]** Select SYSTEM to use the operating system colors, DEFAULT to use the CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
COLORWK	**Specify RGB or actual Color WorkAr** Specify the color for the work area. Check the Microsoft Web site for possible colors.		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 (*System Drive*:\Program Files\Novadigm\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 CM 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 not allow the user to expand the active item in the Service List.	Y	1 V
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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
TMNUCMD0n	**RadTray Menu Command** n Create a custom menu item for the CM System Tray. Specify a command to run when you click TMNUTXTn in the CM System Tray. The command must be available from the IDMSYS directory.		80 V
TMNUTXT0n	**RadTray Menu Text** n Create a custom menu item for the CM System Tray. This menu will be available when you right click on the CM System Tray icon. To create a separator bar, type SEPARATOR as the menu text.		20 V

Comment [JGM1]: Is this going to change to CMTray?

Server Access Profile (SAP) Class

File: PRIMARY   Description: Use instances in the SAP Class to
Domain: CLIENT   identify your CM Servers, and
                                        determine the type and role for each.
Class: SAP   A CM Server can be a CM
                                        Configuration Server, CM Proxy
                                        Server, or CD-ROM.

Icon: Can connect to:

Table 39   SAP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
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 setting if it contains a valid value. If blank, then use existing variable value on agent computer.		2 V
ENABLED	**Enable/Disable [Y/N]** Specify if this SAP is enabled (**Y**) or disabled (**N**). If the variable is blank or non-existent, then this SAP is enabled.	Y	1 V
FILTER	**Filter Expression [Obj.Var = Value]** 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.		
NAME	**Friendly Name** Friendly name of the SAP instance.		50 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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
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
PRODUCT	**Product Filter** Specify which types of CM agents can use this SAP instance. Specify multiple clients separated by a comma. Below are suggested identifiers for each CM agent: CM Application Manager: CM-AM CM Inventory Manager: CM-IM CM Application Self-service Manager: CM-ASM CM OS Manager: CM-OSM CM 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 CM Application Manager, then you may want to set this attribute to CM-AM. Then, set product to CM-AM on your radskman command line.		
PUSHBACK	**Push Back (0-999 retries)** Set to **0** to skip a CM Configuration Server if the CM Configuration Server pushes back on the agent connect. Set to **1** to **999** for number of retries if the CM Configuration Server pushes back. **Default**: The default setting is **0**.		
ROLE	**RCS Role A,O,S,M,R,D** 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, O = Client Operations Profiles, S = Service Resolution, M = Agent Self Maintenance, R = Reporting, D= Data Download. **Note:** Only a CM 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.	A	12 V
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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
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
TYPE	**Type [RCS /DATA]** Specify the Type of CM server. Set to **RCS** if using CM Configuration Server. Set to **Data** for CM Proxy Server or CD-ROM. If the agent computer is unable to reach any of its Server Access Profile, then the agent will default to the last known CM Configuration Server.	040	4 V
URI	**Universal Resource Identifier** Create the Universal Resource Identifier to specify the CM Configuration Server, or CM Proxy Server.		255 V
ZSTOP00n	**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

5   The PRDMAINT Domain

Use the PRDMAINT Domain to store packages for self-maintenance. Refer to the *Application Manager and Application Self-servicee Manager 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 CM 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

Table 40   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 Radia 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 CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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. 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\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 CM Application Self-service Manager user interface.		30 V

Attribute Name	Explanation	Value of Base Instance	Length Type
COMPSIZE	**Application Size – Compressed** The size of the compressed application displayed to the subscribers when they click **Properties** in the CM 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 CM 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 CM Configuration Server, this sends an APPEVENT object to the CM 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 CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM Admin Publisher.		50 V
PRICE	**Price** Type in the price of an application to be displayed to subscribers when they click **Properties** in the CM Application Self-service Manager user interface.		10 V
PUBDATE	**Published Date of Service** Date service was published.		32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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 (bytes)**	0	11 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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** = CM 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 CM 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
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the CM 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 CM subscriber 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 CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZAVIS	**Available, Verified, Installed, Sync F** The CM 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 CM 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 CM Configuration Server.	YXNX	4 V
ZCONTEXT	**Component Context [M/U]**		1 V
ZCREATE	**Service Installation Method** CM-supplied method or fully qualified, user-defined method.		100 M
ZDELETE	**Service Delete Method** CM-supplied method or fully qualified, user-defined method.		100 M
ZDISCONN	**Disconnect on Install [Y/N]** Allows the client to disconnect from the CM Configuration Server if there is an open session with the CM Configuration Server. **Y** = Disconnects the agent from the CM Configuration Server. **N** = Does not disconnect from the agent from the CM 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 CM-CSDB Editor to set this attribute.	EDMGETB (ZMASTER .ZOBJFLOR) ='PACKAGE'	100 E

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM agent. If you are using CM Application Manager *and* CM 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, User, or Multi-user context. **M** = Machine **U** = User **MU** = Multi-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** = Highest priority **10** = Default value **99** = Lowest priority		2 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSVCRASH	**Verify Attributes [Y/F/D/N]** The CM 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 CM agent will receive this application. **A** = Application Manager **S** = Software Manager		2 V
ZSYSACCT	**Install Under System Account [Y/N]** 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.	Y	1 V
ZUPDATE	**Service Update Method** CM-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

Table 41   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

Attribute Name	Explanation	Value of Base Instance	Length Type
ITEMS	**Number of Component Instances**		7 V
NAME	**Friendly Name**		80 V
OWNER	**Application Contact** Package owner, as documented by the CM 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 CM 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 CM-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:

Table 42   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** CM-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** CM-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. CM-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** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 – 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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 CM 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	MN	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM CS 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 CM 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, CM 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**		50 M

Mac File Resources (MACFILE) Class

File:	PRIMARY	Description:	Mac operating systems only.
Domain:	PRDMAINT		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.
Class:	MACFILE		

Icon: Can connect to:

Table 43   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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCREATE	**Method to Install Resource** CM-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** CM-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. CM-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** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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, i.e., 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 CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both CM- and non-CM distributed files. (For example, a CM-managed application file or CONFIG.SYS	Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM 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 CM CS is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only.		

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM 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, CM 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

Domain: PRDMAINT

Class: MAINTLOC

Icon:

Description: This class points to the instance that defines the self-maintenance options available in Radia 3.0 and later.

Can connect to:

Table 44   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

Domain: PRDMAINT

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. Instances of the PRDMAINT Path (PATH) class are specific to the applications used for administration and client self-maintenance

Can connect to: CATALOG, ZSERVICE

Table 45   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
Domain: PRDMAINT
Class: PRDMAINT

Description: Maintenance for the CM agents is available from Technical Support. Maintenance includes import decks for the CM-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.

Icon:

Can connect to: PACKAGE, FILE, PATH

Table 46   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. Refer to the *Application Manager and Application Self-service Manager Guide* for more information.
Domain:	PRDMAINT		
Class:	TIMER		

Icon: **Can connect to:**

Table 47   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 attempts to be made by the CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** CM-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** CM-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 CM Configuration Server. An expired time will continually evaluate whether communications with the CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSCHTYPE	**Type [IMMEDIATE/DEFERRED]**	DEFERRED	10 V
	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 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		

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM-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.

Domain: PRDMAINT   The attributes of the PRDMAINT
                                           Unix File Resources (UNIXFILE)
Class: 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.

Icon: Can connect to:

Table 48   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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCREATE	**Method to Install Resource** CM-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** CM-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. CM-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** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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, i.e., 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 CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both CM- and non-CM distributed files. (For example, a CM-managed application file or	MU	8 V

Comment [JGM2]: Admin Pub? Is it possible to change this?

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM 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 CM CS is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only.		

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM 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, CM 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

6 The PATCH Domain

The PATCH Domain stores the list of available patches within the PATCH Class. Refer to the *CM Admin User Guide* for additional information about this domain and the Service Optimization function.

Patch (PATCH) Class

File: PRIMARY

Domain: PATCH

Class: PATCH

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.

Icon:

Can connect to:

Table 49   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

7 The POLICY Domain

Use the POLICY Domain to create users and groups, and to assign users to groups. Refer to the *CM Application Manager and Application Self-service Manager Guide* for additional information.

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 CM Configuration Server, and language for an agent computer. Do not assign services to this class.
Domain:	POLICY		
Class:	COUNTRY		

Icon: Can connect to:

Table 50   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 CM 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 CM.	ENGLISH	16 V
NAME	**Friendly Name**		80 V
TIMEZONE	**Time Zone:** Informational attribute that lets you specify a time zone for a CM agent, e.g., EST, CST, PST, and so forth.	EST	8 V
ZTIMEDIF	**Time Zone Offset (in minutes):** If you do not synchronize the CM Agent to your site's server clock, you must enter an offset value for this attribute. CM 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.		4 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

Table 51   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 Radia 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 *CM OS Manager Guide* for more information.
Domain:	POLICY		
Class:	MANUFACT		
Icon:		Can connect to:	

Table 52   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. Refer to the *CM OS Manager Guide* for more information.
Domain:	POLICY		
Class:	MODEL		
Icon:		Can connect to:	

Table 53   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. Refer to the *CM OS*
Domain: POLICY   *Manager Guide* for more information.

Class: ROLE

Icon: Can connect to:

Table 54   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

Domain: POLICY

Class: SUBNET

Icon:

Description: Used to assign policy based on the machine subnet. Refer to the *CM OS Manager Guide* for more information.

Can connect to:

Table 55   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 CM Mobility Server.
Domain:	POLICY		
Class:	MBLCONFG		
Icon:		Can connect to:	

Table 56   MBLCONFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
RPSADR1	**Radia Proxy Server #1 [IP Addr:Port]:** Specifies the first CM Proxy Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 10.10.10.12:3466		255 V
RPSADR2	**Radia Proxy Server #2 [IP Addr:Port]:** Specifies the second CM Proxy Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 10.10.10.13:3466		255 V
RMDSADR1	**Radia Mobile Dist [IP Addr:Port]:** Specifies the CM Mobility Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 10.10.10.14:3466		255 V
RIMADR	**Radia Inventory Mgr [IP Addr:Port]:** Specifies the CM Inventory Manager Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 10.10.10.15:3466		255 V
RMPADR	**Radia Mgmt Portal [IP Addr:Port]:** Specifies the CM Portal's IP address and port number, in the format of <IP Address>:<Port>. For example: 10.10.10.16:3466		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 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.	Y	1 V

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:	

Table 57   MULTCAST Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Manager REXX Method** A CM 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 CM Multicast Server for object exchange.		32 V
ALTPORTM	**Multicast Server Port** The port of CM Multicast Server for object exchange. **Notes**: This is the TCP/IP port that the CM Multicast Server listens on, not the multicast transmission port. The default is **3463**. This port was chosen to avoid conflicts with known CM ports (such as the CM Configuration Server and CM Staging Server ports). Therefore, be prepared to adjust accordingly, as other network software might also conflict.	3463	5 V

Attribute Name	Explanation	Value of Base Instance	Length Type
BYPASCON	**User to Prime Multicast Server** Limits which clients send which data to the Radia Multicast Server. **BYPASCON = blank) -** All clients will exchange a control object and a needs list object with the Radia Multicast Server. **BYPASCON = *User*** - The client with this user ID will send *both* objects to the Radia Multicast Server, and the other clients will send *only* the control object. **BYPASCON = User 2 (a user ID, followed by a space and the numeral 2) -** The client with this user ID will send *both* objects to the Radia Multicast Server; no other clients will be part of the object exchange. **Note**: This option requires that the local time on the clock of the machine that houses the Radia Multicast Server be in synchronization with all multicast-eligible clients.		255 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 (milliseconds) after the first packet is sent.	40	5 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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 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.	S	1 V
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. **Notes**: 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 number of packets and then re-send that group for RESENDS times.	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
Domain: POLICY   configuration and is used to obtain
                                             inventory reports of cradled-PDAs
Class: PDACONFG

Icon: Can connect to:

Table 58   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

Server Stagers (STAGER) Class

File: PRIMARY   Description: Use to define CM Staging Servers or CM Proxy Servers within your distribution network. Refer to the *HP Configuration Management Proxy Server Installation and Configuration Guide (CM Proxy Server Guide)* or the *HP Configuration Management Staging Server Installation and Configuration Guide (CM Staging Server Guide)* for more information. In this table staging server can refer to either a CM Proxy Server or CM Staging Server.

Domain: POLICY

Class: STAGER

Icon: Can connect to:

Table 59   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 caching. For more information, refer to the *CM Proxy Server Guide*.		80 V
ZNETNDIR	**Alternative Install Directory:** Specify a path to a folder on the agent computer's ZNETNDRV drive where the CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZPCPROTL	**Stager Protocol [TCP/HTTP]:** The protocol to be used for communications between the CM Staging Requestor and the CM 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 CM Staging Server.	Radia Stager	30 V
ZSTGENV	**Stager Environment [S/M]:** S if the CM Staging Server is on a machine separate from the CM Configuration Server. M if the CM Staging Server is co-resident with the CM Configuration Server. **S** = separate **M** = located on CM Configuration Server.		1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTGLOCS	**Type-Server/Network/Both [S/N/B]** • Specify **S** if the subscriber is to retrieve files from the CM 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 CM Staging Server is requested to supply them. If there is no STAGER instance assigned to the subscriber, the client obtains the files from the CM 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: **1.** The location specified by ZNETNDRV and ZNETNDIR. This can be a local CD-ROM drive or a network share. The resources are unavailable from this source if the ZNETNDRV and ZNETNDIR are blank, the location specified is invalid, a CD-ROM drive is identified that has no CD-ROM loaded, or the files cannot be found on the CD-ROM. **2.** The location specified by ZSTGSDRV and ZSTGSDIR. This can be a dedicated Staging Server, or a Staging Server co-resident with a CM Configuration Server. The resources are unavailable from this source if the ZSTGSDRV and ZSTGSDIR are blank, or if the CM Staging Server cannot supply them from the designated location. **3.** The CM Configuration Server.	S	4 V
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 CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTGSDIR	**Stager Directory:** Specify a path to a folder on the CM Staging Server's ZSTGSDRV where the CM 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, CM creates it automatically when data is first copied to the CM Staging Server.		64 V
ZSTGSDRV	**Stager Drive:** Specify the drive on the CM Staging Server where CM 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 CM Staging Server via a TCP/IP connection, type the IP address or host name of the CM Staging Server. Otherwise, type the CM 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

Table 60   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

Attribute Name	Explanation	Value of Base Instance	Length Type
USERID	**Enterprise User ID:** A valid eight-character alphanumeric User ID that identifies the CM user. This must be the enterprise User ID that is already administered and authenticated by security software at your site. Eight-character CM 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 Radia 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 CM 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 CM agent will wait for CM Configuration Server response, before the CM agent program is deactivated (timed out). Numeric value between 0 and 240 (in seconds).	240	3 V
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Table 61   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 CM 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 CM-CSDB Editor to set this attribute.		255 E

8 The SOFTWARE Domain

The SOFTWARE Domain contains information about the software being managed and the methods used to deploy the software. Refer to the *CM Application Manager and Application Self-service Manager Guide* for more information.

Alert/Defer (ALERTDEF) Class

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

Table 62   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM. 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

Table 63   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 CM 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 CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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. 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\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 CM 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 CM Application Self-service Manager user interface. Cumulative value of the COMPSIZE defined in the PACKAGE Class.		12 V

Attribute Name	Explanation	Value of Base Instance	Length Type
DELDATE	**Delete Date** Indicates when the application was removed (in local time) from the agent computer. The CM 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 CM Configuration Server, this sends an APPEVENT object to the CM 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 CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM Admin Publisher.		50 V
PRICE	**Price** Type the price of an application to be displayed to subscribers when they click **Properties** in the CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 =** CM 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 CM Application Self-service Manager user interface.		12 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the CM 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 CM subscriber 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 CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZAVIS	**Available, Verified, Installed, Sync F** The CM 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 CM 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 CM 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** CM-supplied method or fully qualified, user-defined method.		100 M
ZDELETE	**Service Delete Method** CM-supplied method or fully qualified, user-defined method.		100 M
ZDISCONN	**Disconnect on Install [Y/N]** Allows the client to disconnect from the CM Configuration Server if there is an open session with the CM Configuration Server. **Y** = Disconnects the client from the CM Configuration Server. **N** = Does not disconnect from the client from the CM Configuration Server.	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM-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 CM agent. If you are using CM Application Manager *and* CM 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, User, or Multi-user context. **M** = Machine **U** = User **MU** = Multi-user		2 V
ZSVCNAME	**Service Name/Description**	Unknown Service	24 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM agent will receive this application. **A** = Application Manager **S** = Application Self-service Manager		2 V
ZSYSACCT	**Install Under System Account [Y/N]** 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.	Y	1 V
ZUPDATE	**Service Update Method** CM-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 CM Admin Publisher to create a package instance.
Domain:	SOFTWARE		
Class:	PACKAGE		
Icon:		**Can connect to:**	DESKTOP, FILE, PATH, MSIFEATES, MSI, PACKAGE, PDACONFG, REGISTRY

Table 64   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM 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 CM 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 CM-CSDB Editor to set this attribute.		255 E

Auto Run (EXECUTE) Class

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

Icon: **Can connect to:**

Table 65   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 CM 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** CM-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

Table 66   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 CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCREATE	**Method to Install Behavior** Name of method to install a resource file. CM-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Behavior** CM-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. CM-supplied method or fully qualified, user-defined method.		50 V
ZINIT	**Resource Initialization Method** CM-supplied method or a fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** CM-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 Radia 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM 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. **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, i.e., Publisher**		20 V
ZRSCSRC	**Resource Source**		1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM agent connect process.
	If you are deploying versioned resources, this attribute is ignored.
	The rules for the E(xist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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 CM 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	1
			V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM CS 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 CM 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, CM 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

Table 67   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 CM resources. Some of the icons could store just-in-time executables, which would be updated by connecting to the CM Configuration Server before they are run.
Domain:	SOFTWARE		
Class:	DESKTOP		

Icon: **Can connect to:** CATALOG, ZSERVICE

Table 68   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** CM-supplied method or fully qualified, user-defined method.	RADCLNK	50 M
ZDELETE	**Method to Delete Link** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Comment [JGM3]: Are these all for win 95? TR – still in

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM. 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

Table 69   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 Radia 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

Attribute Name	Explanation	Value of Base Instance	Length Type
COMPSIZE	**Application Size- Compressed** Stores the compressed size of all the dialog components (informational). This value is filled in by the CM Admin Publisher or packager when the dialogs are stored in the CM-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 CM subscriber 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** = CM 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 CM Configuration Server.		12 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM subscriber 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 CM 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 CM 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 CM Configuration Server.	YXNX	4 V
ZCREATE	**Service Installation Method** CM-supplied method or fully qualified, user-defined method.	50 M	
ZDELETE	**Service Delete Method** CM-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		50 M

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM agent. If you are using CM Application Manager *and* CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** CM-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:**

Table 70 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 was selected. The size of the compressed file.		11 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** CM-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** CM-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. CM-supplied method or fully qualified, user-defined method		50 M
ZINIT	**Resource Initialization Method** CM-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** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 Radia 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 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM 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 CM subscriber during an application installation. When the user uninstalls an application, only the files that were retrieved from the CM Configuration Server or the CM 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 CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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.	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM 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 CM CS 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 CM 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, CM 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:**

Table 71   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.
Domain:	SOFTWARE		This class is required by the CM Native Packaging Feature of the CM Batch Publisher.
Class:	AIX		
Icon:		**Can connect to:**	

Table 72   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** CM-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** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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:**	

Table 73: 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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.
Domain:	SOFTWARE		This class is required by the CM Native Packaging Feature of the CM Batch Publisher.
Class:	RPM		
Icon:		**Can connect to:**	

Table 74: 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** CM-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** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Comment [JGM4]: Can this acronym change?

Comment [JGM5]: Admin Pub?

Attribute Name	Explanation	Value of Base Instance	Length Type
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.
Domain:	SOFTWARE		Instances of this class define Macintosh Aliases.
Class:	MACALIAS		
Icon:		**Can connect to:**	

Table 75   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** CM-supplied method or fully qualified, user-defined method.	RADCALIS	50 M
ZDELETE	**Method to Delete Link** CM-supplied method or fully qualified, user-defined method.	RADDALIS	50 M
ZINSTALL	**Method CLNK Processing [Y/N]**		1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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.
Domain:	SOFTWARE		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.
Class:	MACFILE		

Icon:

Can connect to:

Table 76   **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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCREATE	**Method to Install Resource** CM-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** CM-supplied method or fully qualified, user-defined method.	RADREMF	50 M
ZFILEUPD	**Client File Update/Add Method** f a file has been updated by an administrator, this method will be executed. CM-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** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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, 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 CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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	Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM 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 CM CS 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 CM 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		

Attribute Name	Explanation	Value of Base Instance	Length Type
	(SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, CM 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 CM Mobile Management using the Mobile Management Publisher.
Domain:	SOFTWARE		
Class:	RMMFILE		
Icon:		**Can connect to:**	

Table 77   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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** CM-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** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM Extensions for Windows Installer have a connection to the MSIBASIC class in the CM-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:	SOFTWARE		
Class:	MSIBASIC		

Icon:

Can connect to:

Table 78   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** CM-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** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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:**	

Table 79   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:**	

Table 80   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:**	

Table 81   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 Radia is not currently managing. **M –** Managed application salvage. Set to M to salvage content that Radia 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 Radia. **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** CM-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Service Delete Method** CM-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. CM-supplied method or fully qualified, user-defined method.		50 M
ZINIT	Service Initialization Method A fully qualified, user-defined method.		50 M

Attribute Name	Explanation	Value of Base Instance	Length Type
ZOBJPTCH	Perform Patching [Y/N]	Y	1 V
ZOPENERR	Client Method on File Open Error CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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, 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 CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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,		8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	• The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for CM 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 CM CS 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 CM 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, CM 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		

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM panel objects used during CM 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:**

Table 82   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** CM-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Behavior** CM-supplied method or fully qualified, user-defined method.	RADREMF	50 M

Attribute Name	Explanation	Value of Base Instance	Length Type
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. CM-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Resource Initialization Method** CM-supplied method or fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** CM-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 Radia 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Panel Name** Name or description of resource. Valid name of resource to distribute to CM 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, 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** Verifies the file statistics of a resource file on the desktop during each CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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 CM 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	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM CS 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 CM 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, CM 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

Table 83   **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 a CM 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 a CM agent object, or it can be a valid drive name on the CM agent machine.		20 V
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 CM 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:**	

Table 84   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 CM. 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** CM-supplied method or fully qualified, user-defined method.	RADREG32	50 M
ZDELETE	**Method to De-install Resource** CM-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. CM-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** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** 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 CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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:	U	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	— 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 CM 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 CM CS 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 CM 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, CM checks to see if System File		

Attribute Name	Explanation	Value of Base Instance	Length Type
	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   **Description:**

Domain: SOFTWARE

Class: REPLACE

Icon: **Can connect to:**

Table 85   **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. Refer to the *CM Application Manager and Application Self-service Manager Guidee* for more information.
Domain:	SOFTWARE		
Class:	TIMER		
Icon:		**Can connect to:**	

Table 86   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 attempts to be made by the CM Configuration Server.	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

Attribute Name	Explanation	Value of Base Instance	Length Type
			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** CM-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** CM-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 CM Configuration Server. An expired time will continually evaluate whether communications with the CM 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**	radskman req=	255

Comment [JGM6]: Will this acronym change to CM-CS?

Attribute Name	Explanation	Value of Base Instance	Length Type
	This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.		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 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	DEFERRED	10 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM-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

SD Packages (SD) Class

File:	PRIMARY	**Description:**	The SD Class applies to the HP-UX operating system.
Domain:	SOFTWAR E		When you publish native UNIX software with CM Native Packaging, the depot containing native software in compressed format is promoted to the SD Class, similar to the UNIXFILE Class. Refer to the *HP Configuration Management Batch Publisher Installation and Configuration Guide (CM Batch Publisher Guide)* for more information.
Class:	SD		
Icon:	HP SD SD	**Can connect to:**	

Table 87   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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. CM-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** CM-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	**File Group Name**		32 V
ZPERUID	**File Owner Name**		32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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 CM 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

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM CS 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 CM 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, CM 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,
Domain:	SOFTWARE		This class is required by the CM Native Packaging Feature of the CM Batch Publisher.
Class:	SOLPATCH		
Icon:		**Can connect to:**	

Table 88   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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** CM-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 CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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.
Domain:	SOFTWARE		
Class:	SVR4		When you publish native UNIX software with CM Native Packaging, the depot containing native software in compressed format is promoted to the SVR4 Class, similar to the UNIXFILE Class. Refer to the *CM Batch Publisher Guide* for more information.

Icon: [Sun SVR4] SVR4   **Can connect to:**

Table 89   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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. CM-supplied method or fully qualified, user-defined method.		50 M

Attribute Name	Explanation	Value of Base Instance	Length Type
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZOPENERR	**Client Method on File Open Error** CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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	Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM 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 CM CS is newer than the date and time on the desktop. **R** = Resource Stamp. For internal use only.		

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM 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, CM 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		
Icon:		**Can connect to:**	

Table 90   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:**

Table 91   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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCREATE	**Method to Install Resource** CM-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	**Method to De-install Resource** CM-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. CM-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 CM-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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 CM agent connect process.	Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	If you are deploying versioned resources, this attribute is ignored.		
	The rules for the E(xist) flag apply to both CM- and non-CM distributed files. (For example, a CM-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 CM 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		

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 CM CS 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 CM 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, CM 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
Domain: SOFTWARE   (VGROUP) class defines a set of
Class: VGROUP   versions for an application. This
                                                     class contains connections to the
                                                     Versions (VERSION) class, created
                                                     using the Version Group Editor in
                                                     the CM-CSDB Editor.

Icon: **Can connect to:**

Table 92   VGROUP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTDATE	**Activated date/time** Data maintained by the CM agent in the VGROUP object on the agent computer. Do not enter a value. This is set by CM agent.		32 V
CONTROL	**Vgroup Control** **[CLIENT/MANAGER]** Indicates whether the CM 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 CM agent in the VGROUP object on the agent computer. Do not enter a value. This is set by CM 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 CM agent in the VGROUP object on the agent computer. Do not enter a value. This is set by CM agent.		32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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 version group will be activated on any agent computer.		8 V
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 CM agent in the VGROUP object on the agent computer. Do not enter a value. This is set by the CM agent.		8 V
STATUS	**Status of current version – 000** Data maintained by the CM agent in the VGROUP object on the agent computer. Do not enter a value. This is set by the CM agent.		3 V
TIMERCON	**Timer for next Version Activation** If you specify a "next version to activate," the CM-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 VERCON0n 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 CM-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 CM. 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:**	

Table 93   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 CM-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:**

Table 94   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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:**	

Table 95 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

9   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
Domain:	SYSTEM		ZCOMMAND Class to define a
Class:	ZCOMMAND		customized command. Use an instance here for Drag-and-Drop Notify.

Icon: **Can connect to:**

Table 96   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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:**

Table 97   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 CM-CSDB.
Domain:	SYSTEM		
Class:	DBVER		
Icon:		**Can connect to:**	

Table 98   DBVER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DBVER	**Radia Template DB Version**	4.2i	50 V

LICENSE (LICENSE) Class

File:	PRIMARY	**Description:**	This class is reserved for future use.
Domain:	SYSTEM		
Class:	LICENSE		
Icon:		**Can connect to:**	

Table 99   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:**	

Table 100   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

Radia Intent Class (ZINTENT) Class

File: PRIMARY

Domain: SYSTEM

Class: ZINTENT

Icon:

Description: Allows resolution to take different paths depending on the SESSION.INTENT (self maintenance, catalog resolution, service resolution, etc…).

Can connect to:

Table 101   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:**	

Table 102   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 CM 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:**	

Table 103   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:**	

Table 104   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 CM 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 CM source object containing the data to be recorded. When recording CM events, this must be APPEVENT.	&(ZCURPCLS)	32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
VC000 to VC009	**Columns 1 to 10** Defines the correspondence between a variable in the CM 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 Radia 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 Radia 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:**

Table 105 ZFILE Class Attribute Reference

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

A Product Name Changes

If you have used Radia in the past, and are not yet familiar with the newly rebranded HP terms and product names, Table 106 below will help you identify naming changes that have been applied to the Radia brand.

Table 106   Product Name and Term Changes

New Name/Term	Old Name/Term
HP Configuration Management Configuration Server	Radia Configuration Server
HP Configuration Management Configuration Server Database	Radia Configuration Server Database
HP Configuration Management Configuration Server Database	Radia Database
HP Configuration Management	Radia

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