

HP Client Automation

Configuration Server Database

for Windows® operating system

Software Version: 8.10

Reference Guide



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1 Introduction

The Configuration Server Database

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

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



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

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

Table 1 CSDB structure

Term	Description
File	Highest level in the hierarchy of the CSDB. Groups similar domains together. Example: The PRIMARY File is used to define and maintain the desired state. This is one of the pre-configured files distributed with HPCA.
Domain	Logically partitions a HPCA file. Groups similar classes together. Example: The POLICY Domain contains the classes needed to create users and groups.

Table 1 CSDB structure

Term	Description
Class	<p>A category of the desired state. The class is a template for the attributes needed to create an instance of the class.</p> <p>Example: The USER Class of the POLICY Domain defines subscribers of HPCA-managed applications. It defines all of the attributes necessary to identify the agent computer to be managed by HPCA.</p>
Class Instance or Instance	<p>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.</p> <p>Example: A USER instance is an object created from the USER Class, containing the information needed to identify a subscriber's agent computer.</p>
Attribute Attribute Value	<p>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.</p> <p>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 HPCA administrator.</p>

Abbreviations and Variables

This guide uses the abbreviations and variables defined in the following tables.

Table 2 Abbreviations Used in this Guide

Abbreviation	Definition
HPCA	HP Client Automation
Core and Satellite	HPCA Enterprise environment consisting of one Core server and one or more Satellite servers. All features are installed as part of the Core or Satellite server installation.
CSDB	Configuration Server Database
Portal	HPCA Portal

Table 3 Variables Used in this Guide

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

CSDB Files and Domains

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

- The LICENSE File is read-only and used for Configuration Server processing. This file is for internal use and should not be modified.
- The PRIMARY File is where you will find most information regarding software management. Within the PRIMARY File, there are eight default domains and four optional domains. This guide describes the eight default installation domains:
- Use the ADMIN Domain to define administrative rights and rules for connecting classes.
- Use the AUDIT domain to configure tasks that will inventory, or audit, agent computers' assets. See the *HP Client Automation Inventory Manager Reference Guide* for more information.
- Use the CLIENT Domain to configure Client Operations Profiles, including setting access points for application data. For more information, see the *HP Client Automation Core and Satellite Enterprise Edition User Guide*.
- Use the PRDMAINT Domain to store packages for self-maintenance. See the *HP Client Automation Application Manager and Application Self-Service Manager Installation and Configuration Guide* for more information.
- Use the PATCH Domain to store the list of available patches within a PATCH CLASS. See the *HP Client Automation Administrator Installation and User Guide* for more information.
- Use the POLICY Domain to create users and groups, and to assign users to groups. For more information, see *HP Client Automation Administrator Installation and User Guide*.
- The SOFTWARE Domain contains information about the software being managed and the methods used to deploy the software.
- The SYSTEM Domain contains administrative and process control definitions.
- Use the SECURITY Domain to configure the services used to collect and manage vulnerability, SCAP, and Security Tools information from devices in your environment.
- Use the SETTINGS Domain to create, modify, and delete settings profiles. Settings profiles allow you to create groups of configuration settings for software installed on the managed devices in your environment.

- The APPMGMT Domain contains.

Additional Domains

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

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

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

Additional Files

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

Class Attributes

Within each of these domains, you will find classes that divide the files into functional categories. Class attributes can be one of four types as described in [Table 4](#) below

Table 4 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".

Table 4 Class Attribute Types and their Functions

<p>Variable</p> 	<p>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.</p>
<p>Connection (available)</p>  <p>Connection (set)</p>  <p>Note: The letter in the icon denotes the connection type:</p> <p>A – Always C – Class I – Includes R – Requires</p>	<p>Class connections determine the path of resolution of an agent's desired state during the agent connection process.</p> <p>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.</p> <p>A class connection is, in effect, a branch in the resolution process. Refer to the <i>HP Client Automation Administrator Installation and User Guide</i> for more information.</p> <ul style="list-style-type: none"> • An <i>Always connection</i> is always resolved, no matter what the name of its attribute. • A <i>Class connection</i> is resolved if its attribute's name is <code>_ALWAYS_</code>, or if the name of its attribute matches the current value of the system message. • An <i>Includes connection</i> is always resolved, no matter what the name of its attribute. • A <i>Requires connection</i> 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. <p><i>Requires</i> and <i>Includes</i> connection types are useful, among other uses, for expressing inter-package relationships, connecting instances of the PACKAGE Class.</p> <p>When one package <i>Requires</i> another, components of the required package are superceded by the same component in the requiring package.</p> <p>When one package <i>Includes</i> another, both are deployed as a single entity.</p>
<p>Method</p> 	<p>Methods are programs executed as part of the resolution process. The method attribute identifies the program to be executed.</p>

How to Read the Class Reference Tables

The *HP Client Automation Administrator Installation and 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 5 Class attribute reference table columns

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

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 Client Automation Administrator Installation and User Guide*. To read the class reference tables, see the section [How to Read the Class Reference Tables](#) on page 16.

Administrator IDs (ADMINID) Class


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

Table 6 ADMINID Class Attribute Reference

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

Administrator Types (ZADMIN) Class


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

Table 7 ZADMIN Class Attribute Reference

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

Table 7 ZADMIN Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
LISTFILE	List Files Connect this field to the ZLIST32 Class instance. It defines the access you want a HPCA administrator to have.		50 C
LISTINST	List Class Instances Connect this field to the appropriate ZLIST Class instance. It defines filters for HPCA files.		50 C
MASKCLAS	List Class Masks Connect this field to the ZLIST Class instance. It defines the access a HPCA 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 HPCA files		50 C
MASKINST	List Instance Masks		50 C
VEROBJ	List Discrete Instances		50 C

Attribute Verify (ZVERA) Class


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

Table 8 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
Domain:	ADMIN
Class:	ZVERC
Icon:	
Description:	Instances of the ZVERC Class can be used to group instances of the ZLIST Class that define class access in your administrator schema.
Can connect to:	ZLIST

Table 9 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

Table 9 ZVERC Class Attribute Reference

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

Connection Rules (ZCONNECT) Class


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

Table 10 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

Table 10 ZCONNECT Class Attribute Reference

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

Table 10 ZCONNECT Class Attribute Reference

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

Table 10 ZCONNECT Class Attribute Reference

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

Table 10 ZCONNECT Class Attribute Reference

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

Console Privileges (ZCONUSER) Class


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

Table 11 ZCONUSER Class Attribute Reference

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

Console User IDs (CONUSEID) Class


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

Table 12 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
Domain:	ADMIN
Class:	ZVERD
Icon:	
Description:	Instances of the ZVERD Class can be used to group instances of the ZLIST Class that define domain access in your administrator schema.
Can connect to:	ZLIST

Table 13 ZVERD Class Attribute Reference

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

File Verify (ZVERF) Class


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

Table 14 ZVERF Class Attribute Reference

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

Function Verify (ZVERFDCI) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZVERFDCI


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

Table 15 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 M
D	Domain Ver Verify		50 M
F	File Verify	ZVERFDCI.LIMITE D	50 C
F	File Ver Method		50 M
I	Instance Verify		50 C
I	Instance Ver Method		50 M

Instance Verify (ZVERI) Class

File:	PRIMARY
Domain:	ADMIN
Class:	ZVERI


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

Table 16 ZVERI Class Attribute Reference

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

Name Lists (8) (ZLIST) Class


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

Table 17 ZLIST Class Attribute Reference

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

Name Lists (32) (ZLIST32) Class


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

Table 18 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 HPCA 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 Client Automation Inventory Manager Reference Guide* for additional information. To read the class reference tables, see the section [How to Read the Class Reference Tables](#) on page 16

Application (ZSERVICE) Class


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

Table 1 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Contains Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
<u>_ALWAYS_</u>	Contains An <u>_ALWAYS_</u> class connection is always resolved. An Includes connection is used to express inter-package relationships.	AUDIT.RIMOPTS .DIFF_INSTALL _UPDATE	50 I
<u>_ALWAYS_</u>	Contains An <u>_ALWAYS_</u> class connection is always resolved. An Includes connection is used to express inter-package relationships.	AUDIT.PACKAGE .AUDIT_EXECUTE _BEHAVIOR	50 I
<u>_ALWAYS_</u>	Utility Resolution Method Any method you specify for this attribute is unconditionally executed by HPCA when this instance is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST.		51 M

Table 1 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ADAPTIVE	<p>Auto Adaptability [Y/N]</p> <p>Indicates whether the installed package is dependent on client settings that must be monitored periodically.</p> <p>If the settings change, the client must reconnect to the Configuration Server to get new or different components. Useful for "plug and play" services.</p>		1 V
AUTHOR	<p>Author Name</p> <p>Name of the author of the service that appears in the properties for the service in the Service List.</p>		50 V
BDELETE	<p>Service Pre-Delete Method</p> <p>Method to run before deleting the service.</p>		100 M
BUPDATE	<p>Service Pre-Update Method</p> <p>Method to run before updating the service.</p>		100 M
BREPAIR	<p>Service Pre-Repair Method</p> <p>Method to run before repairing the service.</p>		100 M
CACHE	<p>App Element Caching [Y/N]</p>		1 V
CACHELIM	<p>Percent Disk Limit for Cache</p> <p>Cache limit, which is defined as the percentage of used drive space. Type a number between 000 and 100.</p> <p>Note: Used for Windows Installer applications only.</p> <p>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.</p> <p>This is checked after every file is cached on the disk.</p>	000	3V

Table 1 ZSERVICE Class Attribute Reference

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

Table 1 ZSERVICE Class Attribute Reference

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

Table 1 ZSERVICE Class Attribute Reference

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

Table 1 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
REMOVAL	<p>Un-Managed Behavior [A/D/U]</p> <p>Controls removal of the service.</p> <p>If ZVCMO is set to M, set REMOVAL to:</p> <p>A = Abandon (deletes the objects, but not the components)</p> <p>D = Delete (deletes the objects and components)</p> <p>If ZVCMO is set to O, set REMOVAL to:</p> <p>A = Abandon (deletes the objects, but not the components)</p> <p>D = Delete (deletes the objects and components)</p> <p>U = Unmanage (does not delete the objects or components)</p>	D	1 V
RSTRSIZE	<p>Download Restart Threshold (in bytes)</p>	0	11 V
RUNDLG	<p>Dialog Processing [Y/N]</p> <p>Specifies whether to enable processing of dialog boxes during the installation of the service.</p>	N	1 V
SCHEDOK	<p>Update Schedule Locally [Y/N]</p> <p>Specifies whether the subscribers are allowed to change the update schedule for the service locally.</p> <p>Y = Subscriber is allowed to change the schedule.</p> <p>N = Configuration Server controls the update schedule.</p>		1 V
SIZE	<p>Application Size - Uncompressed</p> <p>The size of the uncompressed application displayed to the subscribers when they click Properties in the Application Self-service Manager user interface.</p>		12 V

Table 1 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
UIOPTION	<p>Progress Indicator [NONE/FULL/INFO]</p> <p>Controls whether the status window appears.</p> <p>NONE = No interface appears.</p> <p>FULL = Interface appears and Cancel button is available.</p> <p>INFO = Interface appears with no option to cancel.</p>		4 V
UIOPTMSI	<p>MSI Progress Indicator [NONE/FULL/INFO]</p> <p>Controls whether the MSI status window appears.</p> <p>NONE = No interface appears.</p> <p>FULL = Displays what is happening on the agent computer and provides the subscriber with controls to make changes.</p> <p>INFO = Displays what is happening on the agent computer, but disables all the controls so that the subscriber cannot make any changes. See the Setup log files and Event Viewer for warnings, errors, successes, failures, and other details.</p>		
UPDDATE	<p>Upgrade Date (Programmatic)</p> <p>Stores the date when the file was updated on the Configuration Server.</p>		12 V
UPGDATE	<p>When Application was Upgraded</p> <p>Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the HPCA user after the dialogs have been installed. This date can be used for reporting purposes. The date is in text form, as in: Jan 28, 1998 16:10:00.</p>		32 V

Table 1 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
URL	<p>WEB URL Name</p> <p>Address of a Web page where the subscriber can find additional information about the service.</p>		255 V
VENDOR	<p>Vendor Name</p> <p>Name of the vendor of the service.</p>		24 V
VERDATE	<p>Verified Date of Service</p> <p>Indicates when the application was last verified (in local time) on the agent computer. The Agent manages and maintains this attribute.</p>		12 V
VERSION	<p>Version Description</p>		255 V
ZAVIS	<p>Available, Verified, Installed, Sync F</p> <p>The Agent manages and maintains this attribute to show the different states of the application in the Service List.</p> <p>Y = Yes N = No X = Unknown</p> <p>The four states are:</p> <p>Available indicates whether a service is available from the Configuration Server.</p> <p>Verified indicates whether a service has been verified.</p> <p>Installed indicates whether the service has been installed.</p> <p>Synchronized indicates whether the installed service has all of the latest changes from the Configuration Server.</p>	YXNX	4 V

Table 1 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZBITARCH	<p>Target Bit Architecture [/32/64]</p> <p>Set to 32 to deploy to 32-bit architectures.</p> <p>Set to 64 to deploy to 64-bit architectures.</p> <p>Set to blank to deploy to all architectures.</p>		8 V
ZCONTEXT	Component Context [M/U]		1 V
ZCREATE	<p>Service Installation Method</p> <p>HPCA-supplied method or fully qualified, user-defined method.</p>		100 M
ZDELETE	<p>Service Delete Method</p> <p>HPCA-supplied method or fully qualified, user-defined method.</p>		100 M
ZDISCONN	<p>Disconnect on Install [Y/N]</p> <p>Allows the client to disconnect from the Configuration Server if there is an open session with it.</p> <p>Y = Disconnects the client from the Configuration Server.</p> <p>N = Does not disconnect from the client from the Configuration Server.</p>	Y	1 V
ZINIT	<p>Service Initialization Method</p> <p>A fully qualified, user-defined method.</p>		100 M
ZREPAIR	Service Repair Method		100 M
ZSTOP000 to ZSTOP002	<p>Stop Resolution Expression</p> <p>Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.</p>		255 E

Table 1 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP999	Stop Unless Radia Connect	"\ (UPPER(EDMGET V(ZMASTER,ZDOM NAME))='AUDIT')"	50 E
ZSVCCAT	Service Visible in Catalog? [Y/N]		1 V
ZSVCCSTA	Service Status on Client (999) Service status code. 000 = All actions for service completed. 008 = At least one resource had a writer error. 014 = No disk space for at least one resource. 015 = ZDLIMIT exceeded for at least one resource. 024 = A method timed out. 036 = A create method set ZBRC>7. 900 = Not all files were verified. No work done for service.	999	3 V
ZSVCMO	Mandatory/Optional Service [M/O/MO/OM] Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager and Application Self-service Manager, you could also specify mandatory and then optional, MO , or optional then mandatory, OM . The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.	M	1 V

Table 1 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSVCMODE	<p>Application Context [M/U/MU/EMU]</p> <p>Specifies whether the service is to be installed in the Machine or User context.</p> <p>M = Machine</p> <p>U = User</p> <p>MU = Both machine and user components. Verify that the machine components have been installed before installing the user components.</p> <p>EMU = Enhanced machine and user components.</p>		2 V
ZSVCNAME	<p>Service Name/Description</p> <p>For example, VB Calculator.</p>	Unknown Service	24 V
ZSVCPRI	<p>Service Create Ordering [01-99]</p> <p>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.</p> <p>01 = Highest priority</p> <p>10 = Default value</p> <p>99 = Lowest priority</p>		2 V
ZSVCCRASH	<p>Verify Attributes [Y/F/D/N]</p> <p>The Agent will check permissions on files and/or directories when ZSVCCRASH is set. Valid values are:</p> <p>Y – verify files and directories</p> <p>F – verify files only</p> <p>D – verify directories only</p> <p>N – do not verify permissions</p>		1 V
ZSVCTTYP	<p>Application Target Type [A/S]</p> <p>Indicates which Client Automation agent will receive this application.</p> <p>A = Application Manager</p> <p>S = Application Self-Service Manager</p>	Y	2 V

Table 1 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSYSACCT	<p>Install Under System Account [Y/N/M]</p> <p>Specifies whether to install the service under the system account or the user's account.</p> <p>Y = The application is installed using the system rights.</p> <p>N = The application is installed using the rights of the user who is logged on.</p>	Y	1 V
ZUPDATE	<p>Service Update Method</p> <p>HPCA-supplied method or fully qualified, user-defined method.</p>		100 M
ZVERIFY	<p>Service Verify Method</p>		100 M

Audit Packages (PACKAGE) Class


File:	PRIMARY
Domain:	AUDIT
Class:	PACKAGE
Icon:	
Description:	<p>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.</p>
Can connect to:	DESKTOP, FILE, PATH, MSIFEATS, MSI, PACKAGE, PDACONFIG, REGISTRY

Table 2 PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Connect to Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	Package Includes Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BEHAVIOR	Behavior Includes connection to BEHAVIOR Class instances.		255 I
COMPSize	Package Compressed Resource Size Compressed size of package (in bytes).		12 V
DESCRIPT	Application Description Description of the service that appears in the properties for the service in the Service List. Value is set initially in the Long Description field in the New Application Wizard (used to create a service).		255 V
DESKTOP	Desktop Includes connection to DESKTOP Class instances.		255 I
FILE	File Includes connection to FILE Class instances.		255 I
INCLUDES	Package Includes Generic Includes connection.		50 I
ITEMS	Number of Component Instances Number of component instances in a package at time of publishing.		7 V
NAME	Friendly Name		80 V

Table 2 PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
OWNER	Application Contact Package owner, as documented by the Admin Publisher.		80 V
PATH	Path Includes connection to PATH Class instances.		255 I
PKGNAME	Package Name		80 V
REGISTRY	Registry Includes connection to REGISTRY Class instances.		255 I
RELEASE	Package Release Release level of the package, as documented by the Admin Publisher.		80 V
REQUIRES	Required Package Level Generic Requires connection.		80 C
SIZE	Package Resource Size Size of package (in bytes).		12 V
UNIXFILE	UNIX File Includes connection to UNIXFILE Class instances.		255 I

Table 2 PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZBITARCH	<p>Target Bit Architecture [/32/64]</p> <ul style="list-style-type: none"> • Set to 32 to deploy to 32-bit architectures. • Set to 64 to deploy to 64-bit architectures. • Set to blank to deploy to all architecture. 		8 V
ZSTOP000	<p>Stop Resolution Expression</p> <p>Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.</p>		255 V
ZSTOP001to ZSTOP003	<p>Stop Resolution Expression</p> <p>Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.</p>		255 E

Behavior Services (BEHAVIOR) Class

File:	PRIMARY
Domain:	AUDIT
Class:	BEHAVIOR


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

Table 3 BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Connect to Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
CMPMD5	Compressed File MD5 Signature	_UNDEF_	32 V
FILEMD5	File MD5 Signature	_UNDEF_	32 V
LOCATION	Location		255 V
NAME	Friendly Name Name that appears in the CSDB Editor for this class.		80 V
OBJGUID	Instance GUID Object Global Unique Identification – for future use.	_UNDEF_	32 V
ZCMPKEY	Compression Key		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 HPCA-supplied method or fully qualified, user-defined method.		50 M

Table 3 BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZDELETE	Method to De-install Behavior HPCA-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. HPCA-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 HPCA-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

Table 3 BEHAVIOR Class Attribute Reference

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

Table 3 BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCPRI	<p>Create Sequence Priority</p> <p>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.</p> <p>01 = Highest priority 10 = Default value 99 = Lowest priority</p>	10	2 V
ZRSCRASH	<p>DOS File Attribute [R/A/S/H]</p> <p>Enables you to specify file attributes for a resource.</p> <p>Read-only Archive System Hidden.</p>		4 V
ZRSCRSTR	<p>Restart [Y/N]</p> <p>You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).</p>	N	3 V
ZRSCSIZE	<p>Behavior Size</p> <p>Byte count of resource file from promote process.</p>		11 V
ZRSCSRC	<p>Resource Source</p> <p>that is Publisher</p>		20 V
ZRSCSRC	<p>Resource Source</p>		1 V
ZRSCSTYP	<p>Server File Type [BINARY/TEXT]</p> <p>File format for file download: Binary, Text, or Object.</p>	BINARY	8 V
ZRSCSVRB	<p>Version Skip Rebuild Flag [Y/N]</p> <p>Enables you to skip the reactivation of version resources if the version is already active.</p> <p>Y = Skip the rebuilding of version resources N = Rebuild version resources</p>	Y	1 V
ZRSCTIME	<p>Behavior Time Stamp</p> <p>Time stamp on resource file from promote process.</p>		8 V

Table 3 BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V
ZRSCVRFY	Verify Resource File on Connect Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA -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	Y	1 V

Table 3 BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
	<p>does not currently exist on the desktop.</p> <p>M = Reserved for HPCA 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.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p> <p>U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>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 HPCA has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful,</p>		

Table 3 BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
	the resource is in the desired state and no further verification is necessary. If the verification fails, HPCA checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTOP	Stop Resolution Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZUPDATE	Client Instance Update Method If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M
ZRUSERID	Admin ID		30 V

Client Methods (CMETHOD) Class

File:	PRIMARY
Domain:	AUDIT
Class:	CMETHOD


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

Table 4 CMETHOD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
NAME	Friendly Name	Defaults	80 V
ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.	Hide nvdkit method	50 M
ZDELETE	Method to De-install Resource HPCA-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

Table 4 CMETHOD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP	Stop Resolution Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZUPDATE	Client Instance Update Method Hide nvdkit method	Hide nvdkit method	50 M
ZVERIFY	Client Instance Verify Method Hide nvdkit method	Hide nvdkit method	50 M

Desktop (DESKTOP) Class


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

Table 5 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 HPCA-supplied method or fully qualified, user-defined method.	RADCLNK	50 M
ZDELETE	Method to Delete Link HPCA-supplied method or fully qualified, user-defined method. RADDLNK		50 M
ZINSTALL	Method CLNK Processing [Y/N] Stores if the links/icons have to be installed.		1 V
ZOBJPRI	Priority [00-99]	60	2 V

Table 5 DESKTOP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZRSCLFIL	Link Path Stores the fully qualified name for the link. The links are usually created in the Windows folder, which might appear in different drives for different users. The Windows system directory is usually stored in the ZMASTER object in ZWINDRV and ZWINDIR variables. A special variable, \$NTUSER\$, can be used to distinguish between different user directories. This variable is interpreted by the EDMCLNK. Create method to store the value of the current user.		255 V
ZRSCMO	Mandatory/Optional	O	1 V
ZSTATUS	Client Status	999	3 V
ZSTOP	Stop Resolution Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZW95ARGS	Command Line Parameters Stores the arguments to be passed to the executable specified in the ZW95PATH field.		255 V
ZW95DESC	Icon Description A brief description for the icon/link.		60 V
ZW95HOTK	Hot Key Assigned by MS Windows		12 V
ZW95ICON	Icon File		128 V
ZW95INDX	Index of Icon		60 V

Table 5 DESKTOP Class Attribute Reference

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

File (FILE) Class


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

Table 6 FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	<p>Connect to Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.</p>		50 C
ACTION	<p>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.</p>	YYYYNNN	7 V
	<p>The last three flags control the actions to take on the files detected during the current scan. Action to take on discovery: Send, Delete, Custom Send means to send the files to the Configuration Server and store them in the location indicated by the ZRSCVLOC attribute (see ZRSCVLOC in this table). Delete means to delete the files from the user's computer. Custom means to execute the method indicated in the CUSTOM attribute. YYYYNYN – Report whenever encountered and delete the files. NNYYNNN – Report when changed or deleted and take no action. NYYNYYN – Report when the files are new or changed. Then send and delete the files.</p>		

Table 6 FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
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
OUTPUT	Output Object Name	FILEAUDT	8 V
PRODUCT	Product Name For more details, see ZVERINFO on page 66.		26 V
PRODVERS	Version For more details, see ZVERINFO on page 66.		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

Table 6 FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCMFIL	Manager Directory Location		80 V
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
ZRSCVLOC	Virtual Manager Location The location on the Configuration Server where the files are stored because of the Send Action (see ACTION in this table). This variable needs to be configured when sending a file back to the Configuration Server. The 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

Table 6 FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP	<p>Stop Resolution Expression</p> <p>Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.</p>		255 E
ZVERINFO	<p>Collect Extended Info [1/0]</p> <p>Collect extended information.</p> <p>Set value to 1 to collect additional information for a file.</p> <p>Set value to 0 to not collect additional information.</p> <p>In order for this data to be collected, the associated attribute must exist in the AUDIT.FILE Class template.</p> <p>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.</p> <p>Extended file information consists of one ore more of the following data elements. The associated attribute name for the data element is in parentheses:</p> <p>(VENDOR) – Seller of the file/product.</p> <p>(PRODUCT) – Name of item for which the file is a part.</p> <p>(PRODVERS) – Version of product of which file is a part.</p> <p>(ORGNAME) – Name of the organization.</p> <p>(INTERNAL) – Internal data element encoded in the file.</p> <p>(VERSION) – Version of the file.</p> <p>(LANGUAGE) – Language of the file.</p>	1	1 V
ZMD5INFO	<p>Collect MD5 [Y/N]</p>		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.

Table 7 FILESCAN Class Attribute Reference

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

File Scanner Filters (FILTER) Class


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

Table 8 FILTER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTION	Report Flags [I,N,C,D,S,D,C] I – Initial (Used for file auditing only [not currently supported]) N – New C – Changed D – Deleted S – Send (upload to Configuration Server) D – Delete (not currently supported) C – Custom (not currently supported)	YYYYNNN	7 V
COMPRESS	Compress [Y/N]	N	1 V
DEPTH	# Subdirectory Levels to Scan Number of subdirectory levels to scan Values: -1root directory and all of its subdirectories 0root directory only 1root directory and its files >1root directory and its files down to the specified depth	-1	2 V
DIR	Directory to Scan		255 V

Table 8 FILTER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
EXCLUDE	Exclude Globe Pattern		255 V
INCLUDE	Include Globe Pattern	*	255 V
NAME	Friendly Name	Filter for File Scanner	50 V
ZRSCVLOC	RCS Directory Location Name of an instance in the PRIMARY.AUDIT.MGRVLOC Class that defines the location to place the uploaded scanned files. Default is RADIA_UPLOAD.	RADIA_UPL OAD	255 V

Inventory Options (RIMOPTS) Class


File:	PRIMARY
Domain:	AUDIT
Class:	RIMOPTS
Icon:	
Description:	Contains the attributes that offer options that control an inventory management task. For additional information, see the <i>HP Client Automation Inventory Manager Reference Guide</i> .

Table 9 RIMOPTS Class Attribute Reference

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

Inventory Scanners (SCANNER) Class

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

Table 10 SCANNER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	<p>Connect To Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.</p>	AUDIT.CMETHOD .INV_FULL	50 C
ACTION	<p>Report Flags [I, N, C, D, S, D, C] Report on: Initial, New, Changed, Deleted, Scan, Delete, Custom</p> <p>Initial means that the file was found during the first scan of the agent computer.</p> <p>New means that the file was found during the current scan. The file was not present during the previous scan.</p> <p>Changed means that the file was present during the previous scan and is different from the file found during the current scan.</p> <p>Deleted means that the file was found during the previous scan. The file is not present for the current scan.</p> <p>Scan means that the file was found during the current scan.</p> <p>Delete means that the file was found during the previous scan. The file is not present for the current scan.</p> <p>Custom means that the file was found during a custom scan.</p>	YYYXXN	7 V
CLASS	Class		50 V
DIFF	<p>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.</p>	Y	1 V
KEYS	Class Keys		50 V
NAME	Friendly Name		80 V

Table 10 SCANNER Class Attribute Reference

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

Path (PATH) Class


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

Table 11 ZSERVICE Class Attribute Reference

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

Table 11 ZSERVICE Class Attribute Reference

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

Registry (REGISTRY) Class


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

Table 12 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.	YYYYXXN7.	7 V
CLASS	WBEM Class Do not change	StdRegProv	50 V
CNDITION	Registry subkey Any Windows registry subkey.	SOFTWARE\Mi crosoft\Int ernet Explorer	255 V

Table 12 REGISTRY Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DEPTH	Starting at the registry subkey named in the CNDITION attribute, depth specifies the number of descendent key levels to include in the scan: 0 = Only scan current subkey -1 = Scan all subkey levels 1 to n = Scan current subkey and the specified subkeys levels deep	0	2 V
FORMAT	Output format Do not change.	REGISTRY	8 V
NAME	Friendly Name Friendly name for this instance displayed in CSDB Editor.	Default	80 V
NAMESPACE	Name Space Do not change.	root\default	80 V
OUTPUT	Output Object Name	WBEMAUDT	8 V
PROPERTY	Registry hive Any Windows registry hive: HKEY_CLASSES_ROOT HKEY_CURRENT_USER HKEY_LOCAL_MACHINE HKEY_USERS HKEY_CURRENT_CONFIG HKEY_DYN_DATA	HKEY_LOCAL_MACHINE	255 V
RPTCLASS	Report Class Name A valid table name. If blank "StdRegProv" will be used.	Registry	32 V
TYPE	Scan Type (WBEM) Do not change.	WBEM	4 V

Scheduling (TIMER) Class


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

Table 13 TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
APPSVC	Application		32 V
DOMAIN	Server Domain Name	&[ZMASTER .ZDOMNAM E]	32 V
IPADDR	Server IP Address/Name	&[ZMASTER .ZIPADDR]	32 V
MGRNAME	Server Name	&[ZMASTER .ZMGRNAM E]	32 V
NAME	Friendly Name		80 V
NETAVAIL	Check Network Availability [Y/N/W] Checks for network availability before executing the command.		1 V

Table 13 TIMER Class Attribute Reference

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

Table 13 TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZDELETE	<p>Client Delete Method</p> <p>HPCA-supplied method or fully qualified, user-defined method. This value is inherited from the base instance and should not be changed.</p>	radtimeq	80 M
ZNOPING	<p>Stop RCS Detection [Y/N]</p> <p>Controls the automatic sensing of a network connection between the agent computer and the Configuration Server.</p> <p>An expired time will continually evaluate whether communications with the Configuration Server can be established. When communications are established, the command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again.</p> <p>This attribute is especially useful for mobile users.</p> <p>Note: In order to use this attribute, you must add it to the TIMER Class template.</p>	Y	1 V
ZOBJPRI	<p>Priority [00-99]</p> <p>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.</p>	90	2 V
ZPRVNAME	<p>Provider (Manager) Name</p>	&(ZSERVIC E.ZMGRNA ME)	32 V
ZRSCCMDL	<p>Command Line to Execute</p> <p>This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.</p>	radskman req=	255 V

Table 13 TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Table 13 TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSCHTYPE	<p>Type [IMMEDIATE/DEFERRED]</p> <p>Used only when ZSCHFREQ = PERIODIC.</p> <p>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.</p> <p>Example 1:</p> <p>If you create and deploy a timer with the ZSCHDEF = DAILY(&ZSYSDATE,4:00:00)</p> <p>If ZSCHTYPE = IMMEDIATE and it is:</p> <p>Before 4:00:00, the command in the instance will be executed the same day at 4:00:00</p> <p>After 4:00:00, the command in the instance will be executed immediately</p> <p>If ZSCHTYPE = DEFERRED and it is:</p> <p>Before 4:00:00, the command in the instance will be executed the next day at 4:00:00</p> <p>After 4:00:00, the command in the instance will be executed the next day at 4:00:00</p> <p>Example 2:</p> <p>Suppose you create and deploy a timer with the ZSCHDEF = WEEKDAY(FRIDAY,4:00:00)</p> <p>If ZSCHTYPE = IMMEDIATE and it is:</p> <p>Not Friday or Friday and before 4:00:00, the command in the instance will be executed on Friday at 4:00:00</p> <p>Friday and after 4:00:00, the command in the instance will be executed immediately</p> <p>If ZSCHTYPE = DEFERRED and it is:</p> <p>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</p> <p>Friday and after 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00</p>	DEFERRED	10 V

Table 13 TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
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
ZSVCID	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.	&(ZSERVIC E.ZOBJID)	80 V
ZUPDATE	Client Update Method The Scheduler UPDATE method that runs on the agent computer. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZVERIFY	Client Verify Method	radtimeq	80 M

UNIX Permissions (UNIXPERM) Class


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

Table 14 UNIXPERM Class Attribute Reference

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

Virtual Mgr Location (MGRVLOC) Class


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

Table 15 MGRVLOC Class Attribute Reference

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

WBEM (WBEM) Class


File:	PRIMARY
Domain:	AUDIT
Class:	WBEM
Icon:	
Description:	This class contains instances that define Inventory Manager scans of WMI Classes. These can include any class in the WMI database such as Win32_Services. This example would provide information on Windows 2000 services.

Table 16 WBEM Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTION	<p>Report Flags [I, N, C, D, S, D, C]</p> <p>The RIMDIFF method performs actions on the WBEM namespaces (s) instances discovered on the user's computer during the agent connect.</p> <ul style="list-style-type: none"> • 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 a custom scan. <p>The last three flags are not applicable to WBEM audits.</p>	YYYYXXN	7 V
CLASS	<p>WBEM Class</p> <p>The name of the WBEM Class to query or HARDWARE.</p>		50 V
CONDITION	<p>Query Condition Statement</p> <p>An optional condition to narrow results of an audit.</p>		255 V

Table 16 WBEM Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly Name This name will appear in the CSDB Editor's tree view to identify this instance.	Default	80 V
NAMESPACE	Name Space The name of the WBEM namespace to query or HARDWARE.	root\cimv2	80 V
OUTPUT	Output Object Name This is the name of the object to send to the Configuration Server.	WEBMAUDY	8 V
PROPERTY	Property Values to Collect Specify one or more property names to be queried and reported. Use commas to separate more than one property name. If this attribute is blank, all properties in the class will be queried and reported.	*	255 V
RPTCLASS	WBEM Reporting Class		50 V
TIMEOUT	Query Timeout (Seconds)		4 V
TYPE	Scan Type [WBEM] Indicates that WBEM scan is to be employed for this audit package.	WEBM	4 V

4 The CLIENT Domain

Use the CLIENT Domain to configure Client Operations Profiles, including setting access points for application data. For more information, see the *HP Client Automation Core and Satellite Enterprise Edition User Guide*. To read the class reference tables, see the section [How to Read the Class Reference Tables](#) on page 16.

Alert Management (RADALERT) Class


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

Table 17 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

Table 17 RADLERT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Connect Defer Prefer (CDFCFG) Class


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

Table 18 CDFCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ABORT	Allow / Disallow abort [Y/N]	Y	1 V
DESCTEXT	Descriptive text for CDF dialog		255 V
DESCTXT2	More descriptive text for dialog		25 V
DOMAINS	Allowable domains for CDF	SOFTWARE, PATCHMGR, OS	255 V
ENABLE	Enable / Disable CDF [Y/N]	Y	1 V

Table 18 CDFCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly Name		32 V
OS	Max days since last os conn		3 V
PATCHMGR	Max days since last patch conn		3 V
SOFTWARE	Max days since last software conn		3 V
TIMEOUT	Dialog timeout in minutes	5	3 V
DEFAULT	Default max days since last conn		3 V

Core and Satellite Servers (SERVER) Class


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

Table 19 SERVER Class Attribute Reference

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

Table 19 SERVER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
HOSTNAME	Fully qualified hostname This value is automatically set to the fully qualified hostname of the Core or the Satellite server.		100 V
<u>_ALWAYS_</u>	Server parameter override method The method SYSTEM_ZMETHOD_SERVER_PARAM_OVERRIDE is called to check whether the server should be part of the resolution or not.	SYSTEM_ZMETHOD_SERVER_PARAM_OVERRIDE	100 M
<u>_ALWAYS_</u>	Connect to SAP This instance always connects to the SAP instance.		100 A

Core Settings (SETTINGS) Class


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

Table 20 SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTMAINT	<p>Maintenance Activation [I/D] Set to I to immediately run the HPCA 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</p>	I	
ADINFO	<p>Query Active Directory Info [Y/N] Specify Y if you want to collect the agent computer's active directory information. The information is stored in the ADINFO object in the RADSETUP directory. The default location for the RADSETUP directory is <InstallDir>\Lib\RADSETUP. This information will be sent to the Configuration Server for all resolution processes.</p>	Y	1 V
ALWAYS	<p>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.</p>	Y	1 V
ALWAYS	<p>Always Upload CFG Objects [Y/N] Always upload all objects in the RADSETUP directory. The default location for the RADSETUP directory is <InstallDir>\Lib\RADSETUP</p>	Y	1 V

Table 20 SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BANDWIDTH	Bandwidth Percentage (1-99) Specify the percentage of bandwidth to use between 1 and 99. If the value is blank or the variable does not exist, then all of the bandwidth will be used.		2 V
CMETHOD	Post Catalog Script Specify a script that can run after catalog resolution, but before service processing		
DEFROLE	Default SAP ROLE (A,O,S,M,R) Specify roles for the Configuration Server specified on the command line. If not specified, the ROLE is set to A (All), and the Configuration Server will be able to perform any ROLE. Note: USEDEFS must be set to Y to use DEFROLE.		
DETPROXY	Internet Proxy detection [Y/N] Set to N to skip running Internet proxy detection at the beginning of the agent connect.		
DISKFREE	Minimum Free Disk Space Threshold Specify a minimum of free disk space for HPCA 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 <i><InstallDir>\ConfigurationServr.</i>	INITMETH .REX	80 V

Table 20 SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
EXBEXIT	<p>Post Connection Script</p> <p>Specify a script to execute before RADSKMAN ends. If you are doing a customized reboot process, this is where you would specify it. This script must be in the agent computer's IDMSYS directory. The default location is <InstallDir>\ConfigurationServer.</p>		80 V
EXBOUtbX	<p>Pre Outbox Script</p> <p>Specify a script that can run after service processing, but before the objects in the outbox are flushed to the Configuration Server</p>		
EXBSETUP	<p>Pre Config Resolution Script</p> <p>Specify a script to run before pre-configuration processing. This script must be in the agent computer's IDMSYS directory. The default location is <InstallDir>\ConfigurationServer.</p>	PRESETUP .REX	80 V
FLUSHU	<p>User Reporting Option [Y/N/A]</p> <p>Supports flushing objects for all users during a connect or saving the objects locally for transfer at a later time.</p> <p>A All Users Y Always flush the outbox (default) N Never flush the outbox</p> <p>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.</p>	Y	1 V

Table 20 SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
LSCRIPT	<p>Disable Connect on UI Reboot [Y/N]</p> <p>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.</p> <p>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.</p> <p>In other words, if your users are configured to connect to Configuration Server when they log in, set this to N. If you want to do an immediate reboot with context=u, and you want the user to re-establish connection with the Configuration Server, then set LSCRIPT=Y.</p>	Y	1 V
NAME	<p>Friendly Name</p> <p>Type the friendly name of the instance.</p>		50 V
NETSPEED	<p>Speed Check Method</p> <p>C = Detect using ICMP and Link Speed as failsafe (Default - original behavior) C will first try ICMP and fall back to max.</p> <p>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.</p> <p>N =Do not run netspeed checking. (Will not display error).</p> <p>H = Perform a high-resolution speed calculation that differentiates between SAPs (for COP) on a network. Uses ICMP.</p>		1 V
NETTTL	<p>Network Time to Live (0-999)</p> <p>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.</p>		3 V
PUSHBACK	<p>Push Back (0-999 retries)</p> <p>Set to 0 to skip a Configuration Server if the Configuration Server pushes back on the agent connect. Set to 1 to 999 for number of retries if the Configuration Server pushes back.</p>	0	1 V

Table 20 SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
RAD2XUI	<p>Enable RADUI 2.x</p> <p>Specify Y to view the vintage UI dialogs. Use this if you are not using System Tray or if you want a message to pop up on the screen in addition to the System Tray.</p>		
RADTRAY	<p>Radtray Command Line Arguments</p> <p>Set command line arguments you want to use for the System Tray. Specify Y for the first argument to enable the System Tray, and N to disable it. If set to Y, you can then specify other parameters separated from the Y with a comma. Possible parameters are:</p> <p>/C = Show the System Tray in console mode when it starts</p> <p>/NOCANCEL = Hide the Cancel button.</p> <p>/NOPAUSE = Hide the Pause button.</p> <p>/D = Add debug message to the log for troubleshooting.</p> <p>Example: Y, /C /NOPAUSE enables the System Tray in console mode and does not display the PAUSE button.</p>		
RCSDATA	<p>Download DATA from RCS [Y/N]</p> <p>After using all of the TYPE = DATA SAPS, if all the needed data has not been downloaded then specify Y to go to SAPs with TYPE = RCS. If you do not want the agent computers to use Configuration Servers, set RCSDATA to N.</p> <p>For Multicast to work, the RCSDATA value should be set to Y.</p>	Y	1 V
REMUNINS	<p>Allow Remote Notify Uninstall [Y/N]</p> <p>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.</p>		

Table 20 SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
RSTROPT	<p>Bandwidth Checkpoint Restart</p> <p>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:</p> <p>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.</p> <p>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.</p>		
SAPPING	<p>Ping all SAP [Y/N]</p> <p>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</p>	N	1 V
SENRPT	<p>Send Reporting Object [I/D]</p> <p>Set to D to defer sending all reporting objects to Configuration Server at the end of agent connect. Usually, the reporting objects for each service, such as APPEVENT, CLISTATS, and ZSVCSTAT, are sent to the Configuration Server immediately (I) after they are created. This requires multiple disconnects and reconnects to the Configuration Server.</p>	I	

Table 20 SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
THROTYPE	<p>Throttle [RESERVED/ADAPTIVE/NONE/]</p> <p>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.</p>		8 V
TIMEOUT	<p>Communications Timeout (0-3200)s</p> <p>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.</p>		4 V
USEDEFS	<p>Use Default SAP [Y/N]</p> <p>If a SAP cannot be found for the needed ROLE, specify Y to default to the Configuration Server set on the command line.</p>		
USELSAP	<p>Use Last SAP [N/Y]</p> <p>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.</p> <p>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.</p>	Y	1 V

Table 20 SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZGRPINFO	<p>Query NT User Group Info [Y/N]</p> <p>Specify Y if you want to collect the agent computer's Windows NT user group information. This information will be reflected in the NTGROUPS object in the RADSETUP directory. The default location for the RADSETUP directory is <InstallDir>\ConfigurationServer\Lib\RADSETUP. This information will be sent to the Configuration Server for all resolution processes.</p>	N	1 V
NATVHTTP	<p>Use Windows HTTP [Y/N]</p> <p>Specify this attribute to enable the HPCA agent to use Windows WinHTTP library for HTTP communication. Specify Y to use Windows WinHTTP library. Specify N to use HPCA HTTP library.</p>	N	1 V
SALVAGE	<p>Re-stamp same files [Y/N]</p> <p>Allows the agent to restamp and reuse resources that have the same signature but different date and time stamp. The checksig=Y parameter added to the RADSKMAN command line instructs the agent to verify the resources' signatures. The packages do not need to be published in a special way to use this flag. This flag is for the agent only, the salvage is always on for staging clients. This will provide savings for packages that have resources with the same signature but different date/time stamps. The salvage flag can only be set in the System Explorer.</p>	N	1 V

Custom Exception (EXCEPT1-EXCEPT6) Class


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

Table 21 EXCEPT1-6 Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Display name The display name of the custom exception.		80 V
DESCRIPT	Description The description of the custom exception.		255 V

Table 21 EXCEPT1-6 Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
EXCEPTC	<p>Exception class name</p> <p>Do not change this value. This is used for reporting purposes only. The exception CLASS value that was used as a part of the connect process is reported. These values are automatically generated at client resolution time.</p>	&(ZOBJCLAS)	32 V
EXCEPTI	<p>Exception instance name</p> <p>Do not change this value. This is used for reporting purposes only. The exception INSTANCE value that was used as a part of the connect process is reported. These values are automatically generated at client resolution time.</p>	&(ZOBJNAME))	32 V
ALWAYS	<p>Connect To</p> <p>Specify the custom exception instance to connect to depending on the exception number.</p>	CLIENT.EXCEPT2.&(PREFERENCE.ZEXCEPT2)) CLIENT.EXCEPT3.&(PREFERENCE.ZEXCEPT3)) CLIENT.EXCEPT4.&(PREFERENCE.ZEXCEPT4)) CLIENT.EXCEPT5.&(PREFERENCE.ZEXCEPT5)) CLIENT.EXCEPT6.&(PREFERENCE.ZEXCEPT6)) CLIENT.SUBNET.&(ZCONFIG.ZSUBNETU)	100 A

Diagnostics (DIAGS) Class


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

Table 22 DIAGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly Name Friendly name of the instance.		50 V

Table 22 DIAGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
RADSTATE	<p>Command String for RADSTATE This will run RADSTATE .EXE with the parameters specified in this attribute.</p> <p>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.</p>	MODE=VO	80 V
ZTRACE	<p>Communication Tracing [Y/S/N] Specify N to turns off communication buffer tracing. Tracing is off by default.</p> <p>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.</p> <p>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</p> <p>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.</p>	N	1 V
ZTRACEL	<p>Trace level (000/040/999) Specify tracing level. If blank, use existing value.</p> <p>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.</p>	040	3 V

Hardware Scan Config (RADHWCFG) Class


File:	PRIMARY
Domain:	CLIENT
Class:	RADHWCFG
Icon:	

Table 23 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

Table 23 RADHWCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
HDLOCAL	<p>Local Drives [Y/N] Specify Y to scan for internal hard drives.</p> <p>ZCONFIG attributes: ZHDWCDDR, ZHDWD00, ZHDW00C, ZHDWD00F, ZHDWD00S, ZHDW00T, ZHDWD01, ZHDW01C, ZHDWDF_A, ZHDWDLST, ZHDWDNUM</p>	N	1 V
HDREMOTE	<p>Remote Drives [Y/N] Specify Y to scan for external hard drives.</p> <p>ZCONFIG attributes: ZHDW00, ZHDWD00C, ZHDWD00F, ZHDW00S, ZHDW00T, ZHDWDLST, ZHDWDNUM</p>	N	1 V
NETWORK	<p>Network [Y/N] Specify Y to scan for network information.</p> <p>ZCONFIG attributes: GATEWY01, IPADDR01, LADAPT01, NETLOC01, SUBNET01, ZGATEWAY, ZHDWIPAD, ZHDWLANA, ZHDWNET1, ZHDWNNET, ZNETLOC, ZSUBNET</p>	Y	1 V
PERIPHER	<p>Peripherals [Y/N] Specify Y to scan for peripherals such as keyboard and mouse.</p> <p>ZCONFIG attributes: ZHDWKYBD, ZHDWMOUS, ZHDWPPAR, ZHDWPSE, ZHDWVIDEO, ZHDWVRES</p>	N	1 V
PRINTER	<p>Printers [Y/N] Specify Y to scan for printers.</p> <p>ZCONFIG attributes: ZHDWPA00, ZHDWPA01, ZHDWPPRN</p>	N	1 V
HAL_VER	<p>HAL Statistics [Y/N] Specify Y to scan for the HAL (Hardware Abstraction Layer) version.</p> <p>ZCONFIG attributes: HALCOMP, HALDATE, HALFNAME, HALFVER, HALINAME, HALLANG, HALPNAME, HALPVER, HALSIZE</p>	N	1 V

Table 23 RADHWCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Load Balancers (BALANCER) Class

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


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

Table 24 BALANCER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Display name The display name of the load balancer.		80 V
DESCRIPT	Description The description of the load balancer.		255 V
ENABLED	Enable balancer [Y/N] Specify Y if the environment uses hardware load balancers.	Y	1 V
URL	Management URL		100 V
HOSTNAME	Fully qualified host name Fully qualified host name of the load balancer, or the IP address on which the load balancer is listening for requests.		100 V
ALWAYS	Connect to SVRPOOL Specify the SVRPOOL instance to which the load balancer connects.		100 A

Machine Exception (MACHINE) Class


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

Table 25 MACHINE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	<p>Display name The display name of the machine.</p>		80 V
DESCRIPT	<p>Description The description of the machine.</p>		255 V

Table 25 MACHINE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
EXCEPTC	Exception class name Do not change this value. This is used for reporting purposes only. The exception CLASS value that was used as a part of the connect process is reported. These values are automatically generated at client resolution time.	&(ZOBJCLAS)	32 V
EXCEPTI	Exception instance name Do not change this value. This is used for reporting purposes only. The exception INSTANCE value that was used as a part of the connect process is reported. These values are automatically generated at client resolution time.	&(ZOBJNAME)	32 V
ALWAYS	Connect to Specify the exception instance to connect to.	CLIENT.EXCEPT1. &(PREFACE.ZEXCEPT1	100 A

Network Locations (LOCATION) Class


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

Table 26 LOCATION Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Display name of this location		80 V
DESCRIPT	Description of this location		255 V
ALOCINST	Actual location instance name	&(ZOBJNAME)	32 V
RLOCINST	Resolved location instance name	&(ZOBJNAME)	32 V
REGION	Region		50 V
COUNTRY	Country		50 V
STATE	State		50 V
CITY	City		50 V

Table 26 LOCATION Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ADDRESS	Address		50 V
BUILDING	Building		50 V
FLOOR	Floor		50 V
ALWAYS	Core SETTINGS Class Connection Specify an instance in the SETTINGS Class.	SETTINGS .DEFAULT _SETTINGS	100 C
ALWAYS	Diagnostics Class Connection Specify an instance in the DIAGS Class.	DIAGS .DEFAULT _DIAGS	100 C
ALWAYS	UI Class Connection Specify an instance in the RADUICFG Class.		100 C
ALWAYS	Hardware Class Connection Specify an instance in the RADHWCFG Class.		100 C
ALWAYS	Notify Security Class Connection Specify an instance in the NTFYSEC Class.	NTFYSEC.DEFA ULT_NTFYSEC	100 C
ALWAYS	RADALERT Class Connection Specify an instance in the RADALERT Class RADALERT.DEFAULT_RADALERT		100 C
ALWAYS	Connect Defer Class Connection Specify an instance in the CDFCFG Class.		100 C
ALWAYS	Reboot Defer Class Connection Specify an instance in the RBOOTCFG Class.		100 C
ALWAYS	Connect To Class Specify an instance in any class to connect to this Location instance		100 C
ALWAYS	Connect To Class Specify an instance in any class to connect to this Location instance.		100 C

Table 26 LOCATION Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
SAPPRI	SAP Priority Specify the priority of the SAP instance referenced in the <code>_ALWAYS_</code> class connection below this attribute.	10	3 V
<code>_ALWAYS_</code>	Connect To SVRPOOL SERVER BALANCER Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	SAP Priority Specify the priority of the SAP instance referenced in the <code>_ALWAYS_</code> class connection below this attribute.	20	3 V
<code>_ALWAYS_</code>	Connect To SVRPOOL SERVER BALANCER Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	SAP Priority Specify the priority of the SAP instance referenced in the <code>_ALWAYS_</code> class connection below this attribute.	30	3 V
<code>_ALWAYS_</code>	Connect To SVRPOOL SERVER BALANCER Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	SAP Priority Specify the priority of the SAP instance referenced in the <code>_ALWAYS_</code> class connection below this attribute.	40	3 V
<code>_ALWAYS_</code>	Connect To SVRPOOL SERVER BALANCER Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A

Table 26 LOCATION Class Attribute Reference

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

Table 26 LOCATION Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
SAPPRI	SAP Priority Specify the priority of the SAP instance referenced in the <code>_ALWAYS_</code> class connection below this attribute.	90	3 V
<code>_ALWAYS_</code>	Connect To SVRPOOL SERVER BALANCER Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	SAP Priority Specify the priority of the SAP instance referenced in the <code>_ALWAYS_</code> class connection below this attribute.	100	3 V
<code>_ALWAYS_</code>	Connect To SVRPOOL SERVER BALANCER Specify SVRPOOL, SERVER or BALANCER instance for the priority entered into SAPPRI above this attribute. SVRPOOL.HPCA_CORE		100 A

Notify Security (NTFYSEC) Class


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

Table 27 NTFYSEC Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZEXTSEC	Extra security [Y/N]	N	1 V
ZIGNDURI	DATAURI stripping [Y/N]	N	1 V
ZIGNRURI	RCSURI stripping [Y/N]	N	1 V
ZNTFYSEC	Notify Security [Y/N/L]		1 V
ZVRFYPWD	Verify Internal Password [Y/N/I]	N	1 V
ZVRFYUID	Verify Internal User ID [Y/N/I]	N	1 V

Reboot Defer Prefer (RBOOTCFG) Class


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

Table 28 RBOOTCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly name of the instance.		32 V
ENABLE	Enable / Disable RDF [Y/N]	N	1 V
DESCTEXT	Descriptive text for RDF dialog		32 V
DESCTEXT2	More descriptive text for RDF dialog		32 V

Table 28 RBOOTCFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
TIMEOUT	Dialog timeout in minutes Specify time for the RDF dialog to wait before automatically triggering the reboot.	10	3 V
MAXDAYS	Specify the maximum number of days for which the reboot operation can be deferred. Reboot deferral is not allowed when the MAXDAYS value is zero or empty.	3	3 V
MAXCANCL	Specify the maximum number of times the reboot operation can be cancelled. Reboot cancel is not allowed when the MAXCANCL value is zero. MAXCANCL value -1 signifies that you can cancel the reboot any number of times. <ul style="list-style-type: none">You cannot cancel the reboot if the maximum number of days (MAXDAYS) for reboot defer are exhausted.	-1	3 V

RSM UI Preferences (RADUICFG) Class


File:	PRIMARY
Domain:	CLIENT
Class:	RADUICFG
Icon:	

Table 29 RADUICFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ASKOFFL	Prompt for offline mode [Y/N/U] Specify U to allow the user to control prompting for offline use of Application Self-service Manager. Specify Y or N to turn the prompt on or off, and not allow the user to control the prompt.	Y	1 V
BNBNDWTH	Display Bandwidth [Y/N] Specify Y to display the Bandwidth button on the Side Bar.	Y	1 V
BNHOME	Display Home Button [Y/N] Specify Y to display the Home button on the Side Bar.	Y	1 V
BNHISTORY	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

Table 29 RADUICFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BTNDEL	Enable Delete Button [Y/N] Specify Y to enable the Delete button.	Y	1 V
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

Table 29 RADUICFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
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 HPCA default color scheme, CUSTOM to use COLORSEL, COLORBAK, COLORBTN and COLORWK. The user will not be able to change the colors if SYSTEM, DEFAULT, or CUSTOM is selected. Select USER to allow the user to control the colors.	DEFAULT	10 V
COLORWK	Specify RGB or actual Color WorkAr Specify the color for the work area. Check the Microsoft Web site for possible color.		20 V
CUSTIMG	Custom Image File or RSM Banner Specify a custom image file or banner. Acceptable file types are JPG/JPEG, GIF, TIF, and BMP. The size limitations in pixels are approximately height of 60 and a width of 250. If no location is specified for the file, the default is IDMLIB (<InstallDir>\ConfigurationServer\Lib).		20 V
CUSTURL	Custom URL on RSM Banner Specify a URL that the agent computer's default Internet browser will open to if the subscriber clicks on the CUSTIMG		40 V
CUSTTEXT	Custom Hover Text on RSM Banner Specify the text to display when the agent computer's mouse hovers over the CUSTOMIMAGE.	Visit Tech Support.	20 V
CUSTTITLE	Custom Title on RSM Banner Specify the text to display in the Application Self-service Manager title bar.		20 V

Table 29 RADUICFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
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
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

Table 29 RADUICFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
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 Menu [Y/N/U] Specify U to allow the user to control appearance of the menu bar. Specify Y or N to turn the Menu bar on or off, and not allow the user to control its appearance.	U	1 V
SHWSCHEV	Show/Hide Scheduled Event [Y/N] Specify Y to show the Scheduled Event button when a service item is expanded. This button looks like a clock.	Y	1 V
STATSTRT	Status window on startup [Y/N] Set to Y to show the status window on start up.	N	1 V
STRTCHNG	Startup param modifications [Y/N] Specify Y to allow the user to modify the startup parameters in General Options in Preferences. Specify N to not allow the user to modify the startup parameters.	N	1 V

Table 29 RADUICFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
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
TMNUCMD n	RadTray Menu Command n (n is any value ranging from 0 to 9) Create a custom menu item for the System Tray. Specify a command to run when you click TMNUTXTn in the System Tray. The command must be available from the IDMSYS directory.		80 V
TMNUTXT n	RadTray Menu Text n (n is any value ranging from 0 to 9) Create a custom menu item for the System Tray. This menu will be available when you right click on the System Tray icon. To create a separator bar, type SEPARATOR as the menu text.		20 V

Server Access Profile (SAP) Class


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

Table 30 SAP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP000	<p>Expression Resolution Method</p> <p>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.</p>		100 E
ZSTOP001	<p>Expression Resolution Method</p> <p>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.</p>	(UPPER(EDMGE TV(SERVER,ENABLED))<>'N')	255 E
NAME	<p>Friendly Name</p> <p>Friendly name of the SAP instance.</p>		80 V
TYPE	<p>Type [RCS /DATA/ROM/PMG]</p> <p>This setting is automatically managed by the respective Core and Satellite Servers.</p>		4 V

Table 30 SAP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BALANCER	Balancer Instance Name This value is used for reporting purposes and should not be changed.	&(BALANCER.ZOBJNAME)	32 V
SVRPOOL	Server Pool Instance Name This value is used for reporting purposes and should not be changed.	&(SVRPOOL.ZOBJNAME)	32 V
SERVER	Server Instance Name This value is used for reporting purposes and should not be changed.	&(SERVER.ZOBJNAME)	32 V
ALOCINST	Actual Location Instance Name This value is used for reporting purposes and should not be changed.	&(LOCATION.ALLOCINST)	32 V
RLOCINST	Resolved Location Instance Name This value is used for reporting purposes and should not be changed.	&(LOCATION.RLOCINST)	32 V
PROTOCOL	Protocol [http/https/tcp/tcps] Specify a transport protocol.		5 V
HOSTNAME	Fully Qualified Host Name This value is automatically set from the parent SERVER instance and should not be changed.	&(SERVER.HOSTNAME)	100 V
PORT	Port This setting is automatically managed by the respective Core and Satellite Servers.		5 V
URI	Universal Resource Identifier This value is dynamically built based on the SERVER and SAP information available and should not be changed.	&(PROTOCOL):// &(HOSTNAME): &(PORT)	255 V

Table 30 SAP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ROLE	<p>RCS Role A,B,O,S,M,R,D,Z</p> <p>Specifies the role of the SAP. Specify as many values as are needed separated by a comma. A blank or null value defaults to ALL. Possible values are A = all, B = Multicast Enablement, O = Client Operations Profiles, S = Service Resolution, M = Agent Self Maintenance, R = Reporting, D= Data Download.</p> <p>Note: Only a Configuration Server can be designated as anything other than type D. For servers where TYPE=DATA, if you specify anything other than D, that SAP instance will be skipped.</p>	A	12 V
ENABLED	<p>Enable/Disable [Y/N]</p> <p>This setting is automatically managed by the respective Core and Satellite Servers</p>	Y	1 V
TIMEOUT	<p>Communications Time-out (0-3200)s</p> <p>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.</p>		4 V
PUSHBACK	<p>Push Back (0-999 retries)</p> <p>Set to 0 to skip a Configuration Server if the Configuration Server pushes back on the agent connect. Set to 1 to 999 for number of retries if the Configuration Server pushes back.</p>	0	3 V
THROTYPE	<p>[NONE/ADAPTIVE/RESERVED]</p> <p>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.</p> <p>This will override client bandwidth throttling if it contains a valid value. If blank, then use existing variable value on the agent computer.</p>		8 V

Table 30 SAP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BANDWIDTH	<p>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.</p> <p>This will override agent bandwidth setting if it contains a valid value. If blank, then use existing variable value on agent computer.</p>		2 V
STREAM	<p>Enable Streaming [Y/N] Specify Y to use streaming. This will override the client setting in ZMASTER.ZNORSPNS.</p> <p>Caution: Streaming is not suitable for all network environments. Consult your network administrator before setting this to Y.</p>	N	1 V
PROXY	<p>Internet Proxy URI Do not modify. The Internet proxy URI through which the agent will connect to the SAP. Maintained by agent</p>		255 V
PRIORITY	<p>Selection Priority Do not modify. The SAP obtains its priority by looking at the priority specified in the LOCATION Class. &(LOCATION .SAPPRI)</p>		20 V

Table 30 SAP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
PRODUCT	<p>Product Filter</p> <p>Specify which types of agents can use this SAP instance. Specify multiple clients separated by a comma. Below are suggested identifiers for each agent:</p> <p>Application Manager: AM Inventory Manager: IM Application Self-service Mgr: ASM OS Manager: OSM Patch Manager: PATCH</p> <p>On your radskman command line, specify which products to filter by using the product parameter.</p> <p>For example, if this SAP should only be used by Application Manager, then you may want to set this attribute to AM. Then, set product to AM on your radskman command line.</p>		32 V
FILTER	<p>Filter Expression [Obj.Var = Value]</p> <p>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.</p> <p>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.</p>		100 V
NETTTL	<p>Network Time to Live (0-999)</p> <p>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.</p>		3 V

Server Connect Pool (SVRPOOL) Class


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

Table 31 SVRPOOL Class Attribute Reference

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

Subnet (SUBNET) Class

Table 32


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

Table 33 SUBNET Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Display name The display name of the subnet.		80 V
DESCRIPT	Description The description of the subnet.		255 V

Table 33 SUBNET Class Attribute Reference

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

5 The PRDMAINT Domain

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

Application (ZSERVICE) Class


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

Table 1 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

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

CACHELOC	<p>CACHE Location on Client</p> <p>For Windows Installer applications only.</p> <p>Location of the folder on the agent computer that is used to cache the compressed application files needed for the product.</p> <p>HPCA support for Windows Installer tags the PRODGUID value to this value to create the folder. For example,</p> <p>If CACHELOC=c:\progra~1\HP, and PRODGUID = 12345_XXXX\cache, the cache folder would be: c:\progra~1\HP\12345_XXXX\cache.</p> <p>Note: The folder name \cache is automatically appended to PRODGUID.</p> <p>If you are not deploying a Windows Installer-enabled application, the files will be cached in IDMDATA.</p>	_UNDEF_	254 V
CATGROUP	<p>Catalog Group Name</p> <p>Type a name for the catalog to be displayed to subscribers when they click Properties in the Application Self-service Manager user interface.</p>		30 V
COMPSIZE	<p>Application Size – Compressed</p> <p>The size of the compressed application displayed to the subscribers when they click Properties in the Application Self-service Manager user interface.</p> <p>Cumulative value of the COMPSIZE defined in the PACKAGE Class.</p>		12 V
DELDATE	<p>Delete Date</p> <p>Indicates when the application was removed (in local time) from the agent computer. The Agent manages and maintains this attribute.</p>		32 V
DESCRIPT	<p>Application Description</p> <p>Description of the service that appears in the properties for the service in the Service List.</p> <p>Value is set initially in the Long Description field in the New Application Wizard (used to create a service).</p>		100 V

ERTYPE	<p>Event Reporting Method [O/E/X]</p> <p>Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server.</p> <p>O = Object</p> <p>Currently supports object format only.</p>	O	1 V
EVENTS	<p>Events to Report</p> <p>Indicates which events to report on.</p> <p>Event to report on:</p> <p>AI =Application Install AD =Application De-install AU =Application Update AR =Application Repair AV =Application Verify VA =Version Activation VD =Version Deactivation</p> <p>What (about the event) to report on:</p> <p>S =Success F =Failure B =Both Success and Failure N =None</p>	AI=B AD=B AU=B AR=B AV=F VA=B VD=B	50 V
INSTDATE	<p>Installed Date</p> <p>Indicates when the application was installed (in local time) on the agent computer. The Agent manages and maintains this attribute. The date is in text form, as in: Jan 28, 1998 16:10:00.</p>		32 V
ITEMS	<p>Number of Component Instances</p>		7 V
LREPAIR	<p>Local Repair [Y/N]</p> <p>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.</p>		1 V
MCELIGBL	<p>Service Multicast Eligible [Y/N]</p> <p>Indicates if the application is eligible for multi-casting.</p>	Y	1 V
NAME	<p>Friendly Name</p> <p>Friendly name for the service. This appears in the properties for the service in the Service List.</p>		80 V
OWNER	<p>Application Contact</p> <p>Package owner, as documented by the Admin Publisher.</p>		50 V

PRICE	<p>Price Type in the price of an application to be displayed to subscribers when they click Properties in the Application Self-service Manager user interface.</p>		10 V
PUBDATE	<p>Published Date of Service Date service was published.</p>		32 V
REBOOT	<p>Install/Update/Delete/Version Change Used to restart the agent computer after the service is installed.</p> <p>Event to report on: AI = Install AD = Deinstall AU = Update AR = Repair AV = Verify</p> <p>Type of reboot: S = Soft Boot (Default of type Y panel.) H = Hard Boot (Default of type A panel.) N = None</p> <p>Type of panel: Q = No panel. A = OK button only. Y = OK and Cancel button.</p> <p>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.</p>		64 V
RECONFIG	<p>Reconfiguration Enabled [Y/N] Indicates whether an application can be relocated after it has been installed.</p>		1 V

REMOVAL	<p>Un-Managed Behavior [A/D/U] Controls removal of the service.</p> <p>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)</p> <p>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)</p>	D	1 V
RSTRSIZE	Download Restart Threshold (bytes)	0	11 V
RUNDLG	<p>Dialog Processing [Y/N] Specifies whether to enable processing of dialog boxes during the installation of the service.</p>	N	1 V
RUNLEVEL	Runlevel Support for UNIX.		1 V
SCHEDOK	<p>Update Schedule Locally [Y/N] Specifies whether the subscribers are allowed to change the update schedule for the service locally.</p> <p>Y = Subscriber is allowed to change the schedule. N = Configuration Server controls the update schedule.</p>		1 V
SIZE	Application Size – Uncompressed: The size of the uncompressed application displayed to the subscribers when they click Properties in the Application Self-service Manager user interface.		12 V
UIOPTION	<p>Progress Indicator [NONE/FULL/INFO] Controls whether the status window appears.</p> <p>NONE = No interface appears. FULL = Interface appears and Cancel button is available. INFO = Interface appears with no option to cancel.</p>		4 V

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

ZAVIS	<p>Available, Verified, Installed, Sync F</p> <p>The Agent manages and maintains this attribute to show the different states of the application in the Service List.</p> <p>Y = Yes N = No X = Unknown</p> <p>The four states are:</p> <p>Available indicates whether a service is available from the Configuration Server.</p> <p>Verified indicates whether a service has been verified.</p> <p>Installed indicates whether the service has been installed.</p> <p>Synchronized indicates whether the installed service has all of the latest changes from the Configuration Server.</p>	YXNX	4 V
ZCONTEXT	Component Context [M/U]		1 V
ZCREATE	Service Installation Method HPCA-supplied method or fully qualified, user-defined method.		100 M
ZDELETE	Service Delete Method HPCA-supplied method or fully qualified, user-defined method.		100 M
ZDISCONN	Disconnect on Install [Y/N] Allows the client to disconnect from the Configuration Server if there is an open session with the Configuration Server. Y = Disconnects the agent from the Configuration Server. N = Does not disconnect from the agent from the Configuration Server.	Y	1 V
ZINIT	Service Initialization Method A fully qualified, user-defined method.		100 M
ZREPAIR	Service Repair Method Name of the method to repair the service.		100 M
ZSTOP000	Stop Resolution Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.	EDMGETB (ZMASTER .ZOBJFLOR) ='PACKAGE'	100 E

ZSTOP001 to ZSTOP002	Expression Resolution Method - 001		100 E
ZSVCCAT	Service Visible in Catalog? [Y/N]		1 V
ZSVCCSTA	Service Status on Client (999) Status code for the service that leads you to the reason why files for a service may not be deployed correctly. 000 = All actions for service completed. 008 = At least one resource had a writer error. 014 = No disk space for at least one resource. 015 = ZDLIMIT exceeded for at least one resource. 024 = A method timed out. 036 = A create method set ZBRC>7. 900 = Not all files were verified. No work done for service.	999	3 V
ZSVCMO	Mandatory/Optional Service [M/O/MO/OM] Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager <i>and</i> Application Self-Service Manager, you could also specify mandatory and then optional, MO , or optional then mandatory, OM . The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.	O	1 V
ZSVCMODE	Application Context [M/U/MU] Specifies whether the service is to be installed in the Machine or User context. M = Machine U = User		2 V
ZSVCNAME	Service Name/Description	Unknown Service	24 V
ZSVCPRI	Service Create Ordering [01-99] Enables you to specify a priority level for this service. If disk space on the client desktop is not available, services will be downloaded based on the priority level set here. 01 = ighest priority 10 = Default value 99 = Lowest priority		2 V

ZSVCRASH	Verify Attributes [Y/F/D/N] The agent will check permissions on files and/or directories when ZSVCRASH is set. Valid values are: Y – verify files and directories F – verify files only D – verify directories only N – do not verify permissions		1 V
ZSVCTTYP	Application Target Type [A/S] Indicates which agent will receive this application. A = Application Manager S = Application Self-service Manager		2 V
ZSYSACCT	Install Under System Account [Y/N] 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 HPCA-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, PDACONFIG, REGISTRY

Table 2 PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Contains Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	Package Includes Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BEHAVIOR	Behavior		255 I
INCLUDES	Package Includes		50 I
COMPSize	Package Compressed Resource Size		12 V
DESCRIPT	Application Description Description of the service that appears in the properties for the service in the Service List. Value is set initially in the Long Description field in the New Application Wizard (used to create a service).		255 V
DESKTOP	Desktop		255 I
FILE	File		255 I
ITEMS	Number of Component Instances		7 V
NAME	Friendly Name		80 V
OWNER	Application Contact Package owner, as documented by the Admin Publisher.		80 V
PATH	Path		255 I
PKGNAME	Package Name		80 V
REGISTRY	Registry		255 I

RELEASE	Package Release Release level of the package, as documented by the Admin Publisher.		80 V
REQUIRES	Required Package Level		8 R
SIZE	Package Compressed Resource Size		12 V
UNIXFILE	UNIX File		255 I
ZSTOP000 to ZSTOP003	Stop Resolution Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the Admin CSDB Editor to set this attribute.		255 E

File Resources (FILE) Class


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

Table 3 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 – <i>for future use.</i>	_UNDEF_	32 V
PRODUCT	Product identifier		8 V
PVERSION	Product Version	_UNDEF_	30 V
RELEASE	Product release level		6 V
SIGTYPE	File Signature Type		3 V
SPEVEL	File service pack		3 V
ZCMPKEY	Compression Key	_UNDEF_	80 V

ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Resource HPCA-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. HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.	RADLKM	50 M
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZREPAIR	Client Instance Repair Method		50 M
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option 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
ZRSCMEM	PDS Member Name	_UNDEF_	8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V
ZRSCNAME	Resource Name	&ZRSCCFIL	30 V
ZRSCOBJN	Persistent Object Name		8 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	Create Sequence Priority Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 = Highest priority 10 = Default value 99 = Lowest priority	50	2 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCRSTR	Restart [Y/N/R] Set to Y to restart. Set to R to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	N	3 V
ZRSCSIG	File Signature		32 V
ZRSCSIZE	Resource Size – From Promote Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp Time stamp on resource file from promote process.		8 V

ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V
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ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both HPCA - and non-HPCA distributed files. (For example, an HPCA -managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before, Or, the file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for HPCA 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.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>	MN	8 V
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	<p>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.</p> <p>U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>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 HPCA has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>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, HPCA checks to see if System File Protection protects the file. If the file is protected, it will not be deployed.</p>		
ZUPDATE	Client Instance Update Method		50 M

Mac File Resources (MACFILE) Class


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

Table 4 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 – <i>for future use.</i>	_UNDEF_	32 V
SIGTYPE	File Signature Type		3 V
ZCMPKEY	Compression Key		80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.		50 M

ZDELETE	Method to De-install Resource HPCA-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. HPCA-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 HPCA-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_INSTAN CE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process. A value up to eight digits long.		8 V

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

<p>ZRSCVRFY</p>	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA -managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before. Or, The file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for HPCA 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.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p>	<p>Y</p>	<p>8 V</p>
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	<p>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.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>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 HPCA has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>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, HPCA 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</p>		
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ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method		50 M

Maintenance Location (MAINTLOC) Class


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

Table 5 MAINTLOC Class Attribute Reference

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

Path (PATH) Class


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

Table 6 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 – <i>for future use.</i>	_UNDEF_	32 V
ZRSCPRI	Priority	5	2 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V

Product Maintenance (PRDMAINT) Class


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

Table 7 PRDMAINT Class Attribute Reference

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

Scheduling (TIMER) Class


File:	PRIMARY	Description:	Use the TIMER Class to schedule service deployments. For more information, see <i>HP Client Automation Administrator Installation and User Guide</i> .
Domain:	PRDMAINT		
Class:	TIMER		
Icon:		Can connect to:	

Table 8 TIMER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> 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 – <i>for future use.</i>	_UNDEF_	32 V
PINGCNT	Number of Ping Attempts This attribute sets the number of ping attempts to be made by the Configuration Server.	3	2 V
PINGDLAY	Time between Pings (in msec) This attribute sets the amount of time between pings in msec.	2000	6 V
REQUEST	Application Request	"Apply Updates"	32 V
RUNSYNC	Synchronous Timer Execution [Y/N] This attribute sets the value of Yes or No for the synchronous timer execution. The default value is Yes.	Y	1 V
SOCKET	Server Socket Number	&(ZMASTER.Z DSTSOCK)	32 V
ZCHNNAME	Channel [DOMAIN] Name	&(ZSERVICE.Z OBJDOMN)	32 V
ZCREATE	Client Create Method HPCA-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 HPCA-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	<p>Stop RCS Detection [Y/N]</p> <p>Controls the automatic sensing of a network connection between the agent computer and the Configuration Server.</p> <p>An expired time will continually evaluate whether communications with the Configuration Server can be established. When communications are established, the command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again.</p> <p>This attribute is very useful for mobile users.</p> <p>Note: In order to use this attribute, you must add it to the TIMER Class template.</p>	Y	1 V
ZOBJPRI	<p>Priority [00-99]</p> <p>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.</p>	90	2 V
ZPRVNAME	<p>Provider (Manager) Name</p>	&(ZSERVICE .ZMGRNAME)	32 V
ZRSCCMDL	<p>Command Line to Execute</p> <p>This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.</p>	radskman req=	255 V
ZSCHDEF	<p>Time Parameter</p> <p>Indicates when the timer expires. The syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.</p>		50 V
ZSCHFREQ	<p>Frequency [PERIODIC/ONCE/RANDOM]</p> <p>Use this attribute to specify how often the timer should expire.</p> <p>ONCE = expire one time. PERIODIC = expire repeatedly. RANDOM = expire in random intervals.</p>	PERIODIC	10 V
ZSCHMODE	<p>Timer Owner [MANAGER/DEFAULT]</p> <p>This attribute specifies the timer owner. It is recommended that you leave the default configuration of USER.</p>	DEFAULT	32 V

ZSCHTYPE	<p>Type [IMMEDIATE/DEFERRED] <i>Used only when ZSCHFREQ = PERIODIC.</i> Set ZSCHTYPE to DEFERRED to indicate that the first time an event is attempted to be launched, it will be deferred until the <i>next</i> 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.</p> <p>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 <i>next</i> day at 4:00:00 After 4:00:00, the command in the instance will be executed the <i>next</i> day at 4:00:00</p> <p>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</p>	DEFERRED	10 V
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ZSTOP	Stop Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZSVCOID	Service ID This attribute specifies the object ID of the Application instance that this Scheduling instance is connected to. This value is inherited from the base instance and should not be modified.	&(ZSERVICE.Z OBJID)	80 V
ZUPDATE	Client Update Method The Scheduler UPDATE method that runs on the agent computer. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZVERIFY	Client Verify Method	radtimeq	80 M

Unix File Resources (UNIXFILE) Class


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

Table 9 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 .MAINTENANC E	50 C
LOCATION	Location		255 V
NAME	Friendly Name	Defaults	80 V
OBJGUID	Instance GUID Object Global Unique Identification – <i>for future use.</i>	_UNDEF_	32 V
SIGTYPE	File Signature Type		3 V
ZCMPKEY	Compression Key		80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Resource HPCA-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. HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	File Group Name		32 V

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

ZRSCSIZE	Resource Size - From Promote Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, that is Publisher		20 V
ZRSCSTYP	Server File [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp - From Promote Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA -managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = he file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before Or, the file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for HPCA 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.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p>	MU	8 V
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	<p>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.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>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 HPCA has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>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, HPCA 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.</p>		
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. See the *HP Client Automation Administrator Installation and User Guide* for additional information about this domain and the Service Optimization function.

Patch (PATCH) Class


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

Table 10 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
FROMID	Object ID of FROM Resource: Object ID of the original From instance.		12 V
FROMSIG	Signature of FROM Resource: The content-based signature of the From file.		64 V
FROMSIZE	Size of FROM Resource: The size of the From file. This value is taken from the ZRSCSIZE of the From instance.		11 V
MESSAGE	Explanation of Status: Contains the explanation of the status. Reference this attribute to determine if a patch was built successfully.		255 V
NAME	Friendly Name: the value of ZRSCCFIL attribute in the To instance.		255 V
POS	OS where Patch was Built: The operating system on which the patch was built.		32 V

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

7 The PATCHMGR Domain

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

Application Package (PACKAGE) Class


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

Table 1 PACKAGE Class Attribute Reference

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

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

AUTOPKG (AUTOPKG) Class


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

Table 2 AUTOPKG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
WIN32	Package Connection for WIN32 Includes connection to Windows PACKAGE Class instance.		80 A
HPUX	Package Connection for HPUX Includes connection to HPUX PACKAGE Class instance.		80 A
COMMON	Package Connection for COMMON Includes connection to Common PACKAGE Class instance.		80 A
SUSE	Package Connection for SUSE Includes connection to SUSE PACKAGE Class instance.		80 A
REDHAT	Package Connection for REDHAT Includes connection to RedHat PACKAGE Class instance.		80 A
LINUX	Package Connection for LINUX Includes connection to Linux PACKAGE Class instance.		80 A
SOLARIS	Package Connection for SOLARIS2 Includes connection to Solaris PACKAGE Class instance.		80 A
AIX	Package Connection for AIX Includes connection to AIX PACKAGE Class instance.		80 A

Bulletin (BULLETIN) Class


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

Table 3 BULLETIN Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Bulletin ID Name for the bulletin.		32 V
ID	Unique Identifier CSDB ID for that bulletin, used for the connection to zservices.		12 V
TITLE	Title Title for the bulletin as per vendor documentaton.		255 V
POSTED	Bulletin Posted On Bulletin posted date by vendor.		18 V
REVISED	Bulletin Revised On Bulletin revised date by vendor.		18 V
SUPPORT	Support [Y/N]		I V
URL	Bulletin URL Link to the bulletin page on the vendor site.		255 V
FAQURL	FAQ URL Link to the FAQ page on the vendor site		255 V
IMPACT	Impact ID		8 V
PREREQ	Prereq ID		8 V
MITIGATE	Mitigate ID		8 V
POPULAR	Popularity ID		8 V

CTIME	Bulletin Created on (ISO-8601) Date and time of the bulletin created in the CSDB		24 V
MTIME	Bulletin Modified on (ISO-8601) Date and time of the bulletin last modified in the CSDB		24 V
SOURCE	Source [MICROSOFT/NOVADIGM/CUSTOM] Source for the bulletin metadata. Usually Vendor name if bulletin metadata from the vendor site. NOVADIGM if HP provided metadata. CUSTOM if its customized.		32 V
MANAGE	Manages Patches	SYSTEM.ZMET HOD.PATCH_R ESOLVE	80 M
PRELOAD	Preload of Patch Data Connection to the LOCATION class instance for the bulletin ID	LOCATION.&(I D)*	32 V
TYPE	Bulletin Type Type of bulletin, usually "Security Updates"		40 V
PLATFORM	Platform Platform on which the bulletin has to be installed		32 V
VENDOR	Vendor		80 V
CVENAME	CVE Name Common Vulnerability Exposure ID for bulletin		255 V
ALTIDS	Alternate IDs		255 V
ENABLED	Bulletin Enabled [Y/N] Set to Y if the bulletin has to be managed, and N otherwise.	Y	1 V
XMLMD5	MD5 of Bulletin XML File MD5 checksum value for the bulletin XML metadata file		32 V
ROLLBACK	Bulletin Rollback [Y/N] Set to Y if the bulletin can be uninstalled, and N otherwise		1 V
REVISION	Revision Number Revision number assigned by the vendor of the bulletin		32 V

RUNMODE	Install Mode Bulletin installation mode	AUTOMATIC	48 V
SYNC	Patch Connection https://svn.ind.hp.com/rg0203/ bsaca-dev/tech_pubs/branches/CA78/ RNs	PATCH.&(ID)_*	80 C
SYNC	Location Connection Connection to the LOCATION class instances.	LOCATION.&(I D)_*	80 C
SYNC	Patch Signature Connection to the PATCH class instances.	PATCHSIG.&(I D)_*	80 C
HPPOSTED	Date when HP Posted the Bulletin		32 V
HPREVISED	Date when HP Revised the Bulletin		32 V
ALLDATA	Is there Data for all Patches	N	1 V
RATING	Bulletin Rating Vendor rating for the bulletin		255 V

HTTP Codes (CODES) Class


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

Table 4 CODES Class Attribute Reference

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

Client Method (CMETHOD) Class


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

Table 5 CMETHOD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCREATE	Create Method HPCA-supplied method or fully qualified method. This is predefined and should not be changed.		150 V
ZDELETE	Delete Method HPCA-supplied method or fully qualified method. This is predefined and should not be change.		150 V
ZVERIFY	Verify Method HPCA-supplied method or fully qualified method. This is predefined and should not be change.		150 V
ZUPDATE	Update Method HPCA-supplied method or fully qualified method. This is predefined and should not be change.		150 V
ZREPAIR	Repair Method HPCA-supplied method or fully qualified method. This is predefined and should not be change.		150 V

Dialog Services (DIALOG) Class


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

Table 6 DIALOG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP000	Expression Resolution Method		100 E
ZSTOP001	Expression Resolution Method - 001		100 E
ZSTOP002	Expression Resolution Method - 002		100 E
ZSTOP999	Stop Unless Radia Connect		50 E
ZSVCNAME	Service Name/Description	&(NAME)	50 V
ALWAYS	RCS Method		80 M
ZSVCTTYP	Application Target Type [A/S]		2 V
ZSVCMO	Mandatory or Optional Service [M/O]	O	2 V
ZSVCCSTA	Service Status on Client (999)	999	3 V
ZSVCPRI	Service Create Ordering [01-99]		2 V
ZCREATE	Service Installation Method		100 M
ZINIT	Service Initialization Method		100 M
ZDELETE	Service Delete Method		100 M
ZUPDATE	Service Update Method		100 M

ZVERIFY	Service Verify Method		100 M
ZREPAIR	Service Repair Method		100 M
ZAVIS	Available,Verified,Installed,Sync F	YXNX	4 V
PUBDATE	Published Date of Service		32 V
VERDATE	Verified Date of Service		32 V
UPGDATE	When Application was Upgraded on De		32 V
UPDDATE	Upgrade Date (Programmatic)		32 V
INSTDATE	Installed Date		32 V
DELDATE	Delete Date		32 V
AUTHOR	Author Name		50 V
DESCRIPT	Application Description		100 V
VENDOR	Vendor Name		24 V
URL	WEB URL Name		100 V
SIZE	Application Size - Uncompressed		12 V
COMPSIZE	Application Size - Compressed		12 V
PRICE	Price		10 V
SCHEDOK	Update Schedule Locally [Y/N]		1 V
VERSION	Version Description		50 V
NAME	Friendly Name	<Defaults>	80 V
OWNER	Application Contact		50 V

RUNDLG	Dialog Processing [Y/N]	N	1 V
REBOOT	Install/Update/Delete/Version Change		64 V
EVENTS	Events to Report	AI=B,AD=B,AU=B,AR=B,AV=F,VA=B,VD=B	50 V
ERTYPE	Event Reporting Method [O/E/X]	O	1 V
ADAPTIVE	Auto Adaptability [Y/N]		1 V
LREPAIR	Local Repair [Y/N]		1 V
REMOVAL	Un-Managed Behavior [A/D/U]	D	1 V
RECONFIG	Reconfiguration Enabled [Y/N]		1 V
ZSVCCAT	Service Visible in Catalog? [Y/N]		1 V
UIOPTION	Progress Indicator[NONE/FULL/INFO]	INFO	4 V
CACHE	App Element Caching [Y/N]	N	1 V
CACHELOC	CACHE Location On Client	_UNDEF_	255 V
CACHELIM	Percent Disk Limit For Cache	000	3 V
ZDISCONN	Disconnect on Install [Y/N]	Y	1 V
ZSYSACCT	Install under System Account[Y/N]	Y	1 V
MCELIGBL	Service Multicast Eligible[Y/N]	Y	1 V
RSTRSIZE	Download restart threshold (bytes)	0	11 V
CATGROUP	Catalog Group Name		30 V
ZSVCMODE	Application Context [M/U/MU]		2 V

ZSVCGRP	Service Group Dependency [Y/N/D/]		1 V
ZSVCTYPE	Service Type [I/M/D]	M	1 V
PRELOAD	Preload Connection		80 V

DOMVER (DOMVER) Class


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

Table 7 DOMVER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DOMVER	Domain Version Version of the installed HPCA Patch Manager.		8 V

File Change (FILECHG) Class


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

Table 8 FILECHG Class Attribute Reference

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

DSTATE	Desired State The expected desired state of the component		32 V
USE	Variables to Use The list of variables to be used when evaluating the logical expression to determine the state of the file		50 V
OPTIONS	Standard Options The Class connection to the OPTIONS class instance	OPTIONS.F_N EW_WARN	80 A

File Resources (FILE) Class


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

Table 9 FILE Class Attribute Reference

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

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

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

HP-US Fileset (HPFSET) Class


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

Table 10 HPFSET Class Attribute Reference

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

Location (LOCATION) Class


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

Table 11 LOCATION Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP000	Stop Expression		255 E
ZSTOP001	Stop Expression		255 E
URL	URL Location		25 V
ID	Unique Identifier		12 V

STATUS	Status of Primary URL	999	8 V
DATE	GMT Date/Time		18 V
SIZE	Patch Size		12 V
CRC	CRC of Data		12 V
LOCATION	Installation Directory	&(ZMASTER.Z ROOTDRV)&(Z MASTER.ZROO TDIR)PATCHE S\&(BULLETI N.NAME)	255 V
ZRSCCFIL	Patch File Name		128 V
ZRSCDATE	Resource Date		8 V
ZRSCTIME	Resource Time		8 V
ZRSCVRFY	Resource Options		8 V
ZRSCSIZE	Resource Size		12 V
ZRSCCRC	Resource CRC		8 V
ZRSCSIG	Resource Signature		32 V
SIGTYPE	Signature Type		5 V
ZCMPSIZE	Compressed Size		12 V
ZRSCSTYP	Resource Type [BINARY/TEXT]	BINARY	8 V
ZOBJMO	Mandatory/Optional on Client [M/O]		1 V
ZRSCRASH	DOS File Attributes [R/A/S/H]		4 V
ZRSCRSTR	Restart [Y/N]		1 V
ZOBJPRI	Create Sequence Priority		2 V

CTIME	Data Creation Time		24 V
MTIME	Data Modification Time		24 V
ZRSCRSTR	Check Point Restart	Y	1 V
ZCREATE	Patch extraction command	50	255 V
ZUPDATE	Patch extraction command		255 V
ZDELETE	Patch delete method	RADREMF	50 M

Message Catalogs (MSGCAT) Class


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

Table 12 MSGCAT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCNAME	Resource Name		30 V
ZRSCCFIL	Resource File Name		255 V
ZRSCMO	Mandatory/Optional on Client [M/O]	M	1 V
ZRSCVRFY	Verify Resource File on Connect	U	8 V
ZRSCCONF	Confirm File Download [Y/N]	Y	1 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V

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

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

Metadata Resources (METADATA) Class


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

Table 13 METADATA Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCNAME	Resource Name	&ZRSCCFIL	30 V
ZRSCCFIL	Resource File Name		255 V
ZRSCMO	Mandatory/Optional on Client [M/O]		1 V
ZRSCVRFY	Verify Resource File on Connect		8 V
ZRSCCONF	Confirm File Download [Y/N]		1 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCMEM	PDS Member Name		8 V
ZRSCDATE	Resource Date Stamp - From Promote		8 V
ZRSCTIME	Resource Time Stamp - From Promote		8 V
ZRSCSIZE	Resource Size - From Promote		11 V
ZRSCVERS	Resource Version - From Promote		12 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCCKPT	Resource Checkpoint		1 V

ZRSCCRC	Resource CRC		8 V
ZRSCSIG	Resource Signature		32 V
ZRSCRSTR	Restart [Y/N]	Y	3 V
ZRSCOBJN	Persistent Object Name		8 V
ZCMPSIZE	Compressed File Size		11 V
ZCMPKEY	Compression Key		80 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCPRI	Create Sequence Priority	50	2 V
ZRSCPADM	Admin ID		30 V
ZRSCSRC	Resource Source, i.e. Publisher		20 V
ZINIT	Resource Initialization Method		50 M
ZCREATE	Method to Install Resource		50 M
ZDELETE	Method to De-install Resource	RADREMF	50 M
ZREPAIR	Client Instance Repair Method		50 M
ZUPDATE	Client Instance Update Method		50 M
ZFILEUPD	Client File Update/Add Method		50 M
ZOPENERR	Client Method on File Open Error	RADLKM	50 M
ALWAYS	Connect To		50 C
NAME	Friendly Name	Default	80 V
LOCATION	Location		255 V

ZCONTEXT	Component Context		8 V
FVERSION	File Version	_UNDEF_	30 V
PVERSION	Promote Version	_UNDEF_	30 V
ZPUBVER	Publisher Version	_UNDEF_	8 V
OBJGUID	Instance GUID	_UNDEF_	32 V
ZOBJPTCH	Perform Patching [Y/N]	Y	1 V
SIGTYPE	File Signature Type		3 V

Options (OPTIONS) Class


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

Table 14 OPTIONS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
REPORT	Report Threshold	1	2 V
DSTATE	Desired State Options		32 V
USE	Variables to use in compression		64 V

Patch (PATCH) Class


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

Table 15 PATCH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
LANG	ISO 639 Alpha(2) code2		5 V
ARCH	Architecture		8 V
PLATFORM	Platform [winnt/win9x]		16 V
OSVER	OS Version String		12 V
OSTYPE	Type [server/workstation]		16 V
OSSUITE	Suite [Datacenter/Blade]		16 V
LOCATION	Location Instance		32 V
PATCHSIG	Patch Signature Instance		32 V
RELEASE	Release Instance Name		32 V
NAME	Patch Name		80 V
REBOOT	Reboot [Y/N]		1 V
BULLETIN	Bulletin Name		32 V
QNUMBER	Q Number		32 V
ID	Unique Identifier		12 V

SUPERCED	Patch Superceded [Y/N]	N	1 V
SUSNAME	SUS Patch Name		80 V
MSSNAME	MS SECURE NAME		80 V
SUPERBU	Superceded bulletin name		32 V
SUPERPA	Superceded Patch Instance Name		32 V
SUPERMSS	Superceded MS SECURE NAME		80 V
DATA	Patch Data file exists [Y/N]		1 V
PATCHURL	Patch URL		255 V
PATCHFN	Patch File Name		255 V
FORCEDL	Download on each acquisition [Y/N]	N	1 V
CTIME	Patch Creation Time		24 V
MTIME	Patch Modified Time		24 V
FIXEDIN	Fixed in Release		32 V
ROLLBACK	Patch Rollback [Y/N/]		1 V
RUNMODE	Install Mode	AUTOMATIC	48 V
MANAGE	Patch Signature	PATCHSIG.&(P ATCHSIG)	80 C
OPTIONS	Options connection	OPTIONS.PAT CH	80 A
ZSTOP000	Stop if not enabled		128 E
ZSTOP001	Stop if superceded		128 E
ZSTOP002	Stop if not managingX		128 E

SYNC	Release Connections	RELEASE.&(R ELEASE)	80 C
PATCHARG	Patch Arguments Instance		80 A
OTYPE	Object Type		80 V
OCREATE	Create Arguments	_NULL_	255 V
ODELETE	Delete Arguments	_NULL_	255 V
OVERIFY	Verification arguments		255 V
OASSERT	Assert arguments		255 V
OUPDATE	Update arguments		255 V
ENABLED	Patch Enabled [Y/N]	Y	1 V
INSORDER	Install Order		3 V
DELORDER	Delete Order		3 V
CPU	Number of CPU's [uni/multi]		8 V
PATCHNAM	Patch File Name from archive		255 V
REBOOT_U	Uninstall On Reboot		10 V
RATING	Patch Rating		255 V
TITLE	Patch Title		255 V

Patch Arguments (PATCHARG) Class


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

Table 16 PATCHARG Class Attribute Reference

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

Patch Auth. Store (PASTORE) Class


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

Table 17 PASTORE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly Name		80 V
ID	Unique Identifier		12 V
DVERSION	Data Version		16 V
LDUPDATE	Last Data Update Date		16 V
SVERSION	Schema Version		16 V

LSUPDATE	Last Schema Update Date		16 V
TVERSION	Tool Version		16 V
BULLTNUM	Bulletin Count		8 V
ZRSCCFIL	Resource File		255 V
LOCATION	Location of Resource File		80 V
ZRSCSIZE	Resource Size		12 V
ZCMPSIZE	Compressed Size		12 V
ZGMTDATE	Resource Date		8 V
ZGMTTIME	Resource Time		8 V
ZRSCSIG	MD5 Signature		32 V
SIGTYPE	Signature Type		5 V
ZSTATUS	Status	999	3 V
SRCURL	Source URL		255 V
JOBSTART	Start time of publishing job		32 V
JOBEND	End time of publishing job		32 V
MACHINE	Publisher Machine		80 V
AUTHOR	Author		32 V
PATCHNUM	Total Numer of Patches in Data Store		8 V
PATCHERR	Number of Patches with Errors		8 V
ZRSCCRC	Resource CRC		8 V

ZRSCSTYP	Resource Type	BINARY	8 V
RVENDORS	Requested Vendor List		255 V
AVENDORS	Acquired Vendor List		255 V
ERRORS	List of Errors	PATCHMGR.P UBERROR.&(I D)*	80 A

Patch Signature (PATCHSIG) Class


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

Table 18 PATCHSIG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP001	Stop if not needed	(EDMGETV(ZC URRENT,ZCU RMSG) = 'MANAGE' & ((EDMGETV(P ATCH,ZOBJRC) = '0') (EDMGETV(PA TCH,ZOBJRC) = '2') (EDMGETV(P ATCH,ZOBJRC)='999'))))	255 E
NAME	Package Name		32 V
ID	Unique Identifier		12 V
CRC	CRC of FILECHGS and REGCHGS		8 V
CTIME	Creation Time		24 V

MTIME	Modification Time		24 V
FILECHGS	File Connection	FILECHG.&(ID))_*	80 A
REGCHGS	Registry Connection	REGCHG.&(ID) _*	80 A
HPFSETS	HP Fileset Connection	HPFSET.&(ID) _*	80 A

Path (PATH) Class


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

Table 19 PATH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DRIVE	Drive		20 V
DIR	Directory		255 V
NAME	Friendly Name		255 V
ZRSCPRI	Priority	5	2 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V
OBJGUID	Instance GUID	_UNDEF_	32 V

Product (PRODUCT) Class


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

Table 20 PRODUCT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly Name		255 V
ID	Unique Identifier		12 V
TAG	Normalized Name		255 V
CVERSION	Current Product Version		32 V
RSUPPORT	Minimum Supported Release		255 V
RCURRENT	Current Release		255 V
CTIME	Creation Time		24 V
MTIME	Modification Time		24 V
RELEASE	Release Connection	RELEASE.&(ID))_*	80 C
OPTIONS	Options Connection	OPTIONS.PRO DUCT	80 A
PATCHARG	Patch Arguments Instance		80 A
OTYPE	Object Type		80 V

OVERIFY	Verify Arguments		255 V
VENDOR	Vendor [MICROSOFT/REDHAT/SUSE/HPUX]		80 V
SYNC	Connection PG to PR	PG2PR.*_(ID)	80 C

Product Association (PG2PR) Class


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

Table 21 PG2PR Class Attribute Reference

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

Publisher Error (PUBERROR) Class


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

Table 22 PUBERROR Class Attribute Reference

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

Registry Resources (REGCHG) Class


File:	PRIMARY	Description:	REGCHG class contains the registry related information required for the patch metadata..
Domain:	PATCHMGR		
Class:	REGCHG		
Icon:		Can connect to:	

Table 23 REGCHG Class Attribute Reference

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

Release (RELEASE) Class


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

Table 24 RELEASE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
PRODUCT	Product Instance Name		32 V
SP	SP Instance Name		32 V
ID	Unique Identifier		12 V
PROBE	Probe Name		32 V
ARGS	Probe Arguments		128 V
NAME	Release Name		255 V
CTIME	Creation Time		24 V
MTIME	Modification Time		24 V
PARENTC	Parent Class	PRODUCT	8 V
PARENTI	Parent Instance	&(PRODUCT)	32 V
CHILDC	Child Class	SP	8 V
CHILDI	Child Instance	&(SP)	32 V
PRODUCT	Product Connection	PRODUCT.&(PRODUCT)	80 C
SP	SP Connection	SP.&(SP)	80 C

RELEASE	Children Release Instances	RELEASE.&(ID)_*	80 C
DISC_PA	Patch Connection	PATCH.*_&(ID)_*	80 C
OPTIONS	Options	OPTIONS.RELEASE	80 A
SYNC	Sync Connection to Fetch Product	PRODUCT.&(PRODUCT)	80 C
SYNC	Sync Connection to Fetch SP	SP.&(SP)	80 C

Services Packs (SP) Class


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

Table 25 SP Class Attribute Reference

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

IMPACT	Impact ID		8 V
PREREQ	Prereq ID		8 V
MITIGATE	Mitigate ID		8 V
POPULAR	Popularity ID		8 V
CTIME	Creation Time		24 V
MTIME	Modification Time		24 V
OTYPE	Object Type		80 V
OASSERT	Assert Arguments		255 V
OVERIFY	Verify Arguments		255 V

Services (ZSERVICE) Class


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

Table 26 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP000	Expression Resolution Method		100 E
ZSTOP001	Expression Resolution Method - 001		100 E
ZSTOP002	Expression Resolution Method - 002		100 E

ZSTOP999	Stop Unless Radia Connect	\(UPPER(EDMGETV(ZMASTR,ZDOMNAME))='PATCH' POS('PATCHMGR',EDMGETV(PATCHOBJ,FDCI))>0)	50 E
SYNC	Sync Connection	BULLETIN.&(ZOBJNAME)(SYNC)	80 C
ZSVCNAME	Service Name/Description	&(NAME)	50 V
ALWAYS	RCS Method		80 M
ZSVCTTYP	Application Target Type [A/S]		2 V
ZSVCMO	Mandatory or Optional Service [M/O]	O	2 V
ZSVCCSTA	Service Status on Client (999)	999	3 V
ZSVCPRI	Service Create Ordering [01-99]		2 V
ALWAYS	Contains	BULLETIN.&(ZOBJNAME)(MANAGE)	50 A
ZCREATE	Service Installation Method		100 M
ZINIT	Service Initialization Method		100 M
ZDELETE	Service Delete Method		100 M
ZUPDATE	Service Update Method		100 M
ZVERIFY	Service Verify Method		100 M
ZREPAIR	Service Repair Method		100 M
ZAVIS	Available,Verified,Installed,Sync F	YXNX	4 V
PUBDATE	Published Date of Service		32 V

VERDATE	Verified Date of Service		32 V
UPGDATE	When Application was Upgraded on De		32 V
UPDDATE	Upgrade Date (Programmatic)		32 V
INSTDATE	Installed Date		32 V
DELDATE	Delete Date		32 V
AUTHOR	Author Name		50 V
DESCRIPT	Application Description		100 V
VENDOR	Vendor Name		24 V
URL	WEB URL Name		100 V
SIZE	Application Size - Uncompressed		12 V
COMPSIZE	Application Size - Compressed		12 V
PRICE	Price		10 V
SCHEMOK	Update Schedule Locally [Y/N]		1 V
VERSION	Version Description		50 V
NAME	Friendly Name	<Defaults>	80 V
OWNER	Application Contact		50 V
RUNDLG	Dialog Processing [Y/N]	Y	1 V
REBOOT	Install/Update/Delete/Version Change		64 V
EVENTS	Events to Report	AI=B,AD=B,AU =B,AR=B,AV=F ,VA=B,VD=B	50 V
ERTYPE	Event Reporting Method [O/E/X]	O	1 V

ADAPTIVE	Auto Adaptability [Y/N]		1 V
LREPAIR	Local Repair [Y/N]		1 V
REMOVAL	Un-Managed Behavior [A/D/U]	O	1 V
RECONFIG	Reconfiguration Enabled [Y/N]		1 V
ZSVCCAT	Service Visible in Catalog? [Y/N]	N	1 V
UIOPTION	Progress Indicator[NONE/FULL/INFO]	INFO	4 V
CACHE	App Element Caching [Y/N]	N	1 V
CACHELOC	CACHE Location On Client		255 V
CACHELIM	Percent Disk Limit For Cache	000	3 V
ZDISCONN	Disconnect on Install [Y/N]	Y	1 V
ZSYSACCT	Install under System Account[Y/N]	Y	1 V
MCELIGBL	Service Multicast Eligible[Y/N]	Y	1 V
RSTRSIZE	Download restart threshold (bytes)	0	11 V
CATGROUP	Catalog Group Name		30 V
ZSVCMODE	Application Context [M/U/MU]		2 V
ZSVCGRP	Service Group Dependency [Y/N/D/]		1 V
ZSVCTYPE	Service Type [I/M/D]	M	1 V
RUNMODE	Install Mode	AUTOMATIC	48 V
PRELOAD	Preload Connection	BULLETIN.&(Z OBJNAME)(PR ELOAD)	80 CV

8 The POLICY Domain

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

Country / Region (COUNTRY) Class


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

Table 27 COUNTRY Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Utility Resolution Method: Any method you specify for this attribute is unconditionally executed by Client Automation when this object is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD.PUT_ZERROR_HIST.		50 M
DATEFORM	Date Format: This attribute sets up the date format display. A valid date structure (for example, MM/DD/YY or DD/MM/YY).	MM/DD/YY	16 V
LANGUAGE	Language: This informational attribute informs other programs the language the client is using. Input the language that your enterprise uses while running Client Automation.	ENGLISH	16 V

NAME	Friendly Name		80 V
TIMEZONE	Time Zone: Informational attribute that lets you specify a time zone for an agent, e.g., EST, CST, PST, and so forth.	EST	8 V
ZTIMEDIF	Time Zone Offset (in minutes): If you do not synchronize the agent to your site's server clock, you must enter an offset value for this attribute. HPCA time is set on Eastern Standard Time (EST). Thus, if your site's time zone is Central Standard Time (CST), enter 60 for this attribute. If your site's time zone is Pacific Standard Time (PST), enter 180 for this attribute, and so forth. Numeric value between 1 and 9999.		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, MULTICAST

Table 28 DEPT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Offers: Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C

Table 28 DEPT Class Attribute Reference

<u>_ALWAYS_</u>	Utility Resolution Method: Any method you specify for this attribute is unconditionally executed by HPCA 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 <i>HP Client Automation OS Manager Reference Guide</i> for more information.
Domain:	POLICY		
Class:	MANUFACT		
Icon:		Can connect to:	

Table 29 MANUFACT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Utility Method		U
<u>_ALWAYS_</u>	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 <i>HP Client Automation OS Manager Reference Guide</i> for more information.
Domain:	POLICY		
Class:	MODEL		
Icon:		Can connect to:	

Table 30 MODEL Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Utility Method		U
<u>_ALWAYS_</u>	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 <i>HP Client Automation OS Manager Reference Guide</i> for more information.
Domain:	POLICY		
Class:	ROLE		
Icon:		Can connect to:	

Table 31 ROLE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Utility Method		U
<u>_ALWAYS_</u>	Service Connection		C
NAME	Friendly Name		V

Machine Subnets (SUBNET) Class


File:	PRIMARY	Description:	Used to assign policy based on the machine subnet. Refer to the <i>HP Client Automation OS Manager Reference Guide</i> for more information.
Domain:	POLICY		
Class:	SUBNET		
Icon:		Can connect to:	

Table 32 SUBNET Class Attribute Reference

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

Mobile Device Confg (MBLCONFG) Class


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

Table 33 MBLCONFG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
RPSADR1	Radia Proxy Server #1 [IP Addr:Port]: Specifies the first Proxy Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 192.168.0.1:3466		255 V
RPSADR2	Radia Proxy Server #2 [IP Addr:Port]: Specifies the second Proxy Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 192.168.0.2:3466		255 V

RMDSADR1	Radia Mobile Dist [IP Addr:Port]: Specifies the Mini Management Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 192.168.0.3:3466		255 V
RIMADR	Radia Inventory Mgr [IP Addr:Port]: Specifies the Inventory Manager Server's IP address and port number, in the format of <IP Address>:<Port>. For example: 192.168.0.4:3466		255 V
RMPADR	Radia Mgmt Portal [IP Addr:Port]: Specifies the Portal's IP address and port number, in the format of <IP Address>:<Port>. For example: 192.168.0.5:3466		255 V
ZMBLSGNO	Mobile Signon Panel [Y/N]: Specifies whether to display the mobile device's sign on panel. Use Y to display the panel and N to suppress the panel.	N	1 V
SETUSER	Set Userid on Mobile Device [Y/N]: Set this to Y if you want the userID set to the serial number of the mobile device. Set this to N if you want this to be left as user entry.	N	1 V
STORUSER	Store Userid & Password [Y/N]: Set to Y if you want to 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 (MULTICAST) Class


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

Table 34 MULTICAST Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Manager REXX Method A Configuration Server REXX method.	SYSTEM .ZMETHOD .MULTICAST	255 M
ADDRESS	Broadcast or Multicast Address Specifies a valid broadcast/multicast address. Additionally, this attribute is important to the dynamic multicast feature.	229.0.0.0	19 V
ALTADDRM	Multicast Server IP The IP address of Multicast Server for object exchange.		32 V
ALTPORTM	Multicast Server Port The port of Multicast Server for object exchange. Notes: This is the TCP/IP port that the Multicast Server listens on, not the multicast transmission port. The default is 3463 . This port was chosen to avoid conflicts with known Client Automation ports (such as the Configuration Server port). Therefore, be prepared to adjust accordingly, as other network software might also conflict.	3463	5 V

Table 34 MULTICAST Class Attribute Reference

BYPASCON	<p>User to Prime Multicast Server</p> <p>Limits which clients send which data to the Multicast Server.</p> <p>BYPASCON = blank) - All clients will exchange a control object and a needs list object with the Multicast Server.</p> <p>BYPASCON = User - The client with this user ID will send <i>both</i> objects to the Multicast Server, and the other clients will send <i>only</i> the control object.</p> <p>BYPASCON = User 2 (a user ID, followed by a space and the numeral 2) - The client with this user ID will send <i>both</i> objects to the Multicast Server; no other clients will be part of the object exchange.</p> <p>Note: This option requires that the local time on the clock of the machine that houses the Multicast Server be in synchronization with all multicast-eligible clients.</p>		255 V8
CGMTDATE	<p>Collect Start Date (YYYYMMDD)</p> <p>The start date of the collection period. The format is YYYYMMDD.</p> <p>Additionally, this attribute is important to the dynamic multicast feature.</p>		8 V
CGMTTIME	<p>Collect Start Time GMT (HH:MM:SS)</p> <p>The start time of the collection period. The format is HH:MM:SS.</p> <p>Additionally, this attribute is important to the dynamic multicast feature.</p>		8 V
CLASS	<p>Class Name</p> <p>Specifies the class name.</p>	&(ZOBJCLASS)	12 V
CWINDOW	<p>Duration of Collection Window (min)</p> <p>Duration (in minutes) of collection phase for all clients to register their list of required files.</p> <p>Additionally, this attribute is discussed as it relates to the dynamic.</p> <p>Note: When specifying the duration of your collection window, be sure it is sufficient to collect all the files in the request list.</p>		3 V
DELAYBP	<p>Delay between Packets (msec)</p> <p>Delay (milliseconds) between packets.</p>	40	5 V
DELAYFP	<p>Delay after Packets (msec)</p> <p>Delay (msec) after the first packet is sent.</p>	40	5 V

Table 34 MULTICAST Class Attribute Reference

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
MORDER	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 <i>before</i> the multicast session. A - Download the service and install it on the client <i>after</i> the multicast session. S - SPLIT the process so that it downloads the service to the client <i>before</i> the multicast, and installs the service <i>after</i> 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

Table 34 MULTICAST Class Attribute Reference

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

PDACONFIG (PDACONFIG) Class


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

Table 35 PDACONFIG 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 Staging Servers or Proxy Servers within your distribution network. Refer to the <i>HP Client Automation Enterprise Proxy Server Installation and Configuration Guide</i> for more information. In this table staging server can refer to either a Proxy Server or Staging Server.
Domain:	POLICY		
Class:	STAGER		
Icon:		Can connect to:	

Table 36 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 <i>HP Client Automation Enterprise Proxy Server Installation and Configuration Guide</i> .		80 V
ZNETNDIR	Alternative Install Directory: Specify a path to a folder on the agent computer's ZNETNDRV drive where the Staging Server's resources are located. The location on the server where staged data is stored is created by a concatenation of the values of the ZNETNDRV and ZNETNDIR attributes. Add a leading and trailing slash, for example, \STAGER\ .		64 V
ZNETNDRV	Alternative Install Drive: Type a drive letter defined on the agent computer followed by a colon, for example, D: . This can be a local drive, such as a CD-ROM drive, or a mapped network drive.		19 V
ZPCPROTL	Stager Protocol [TCP/HTTP]: The protocol to be used for communications between the Staging Requestor and the Staging Server. Select one of the following: NETB – Net BIOS TCP – TCP/IP SPX – Novell NOS	TCP	4 V

Table 36 STAGER Class Attribute Reference

ZSTGDESC	Stager Description: Specify a text string that subscribers will identify with the Staging Server.	Radia Stager	30 V
ZSTGENV	Stager Environment [S/M]: S if the Staging Server is on a machine separate from the Configuration Server. M if the Staging Server is co-resident with the Configuration Server. S = separate M = located on Configuration Server.		1 V
ZSTGLOCS	Type-Server/Network/Both [S/N/B] Specify S if the subscriber is to retrieve files from the Staging Server via a TCP/IP session. Specify N if the subscriber is to retrieve files from an addressable location on the agent computer such as a mapped network drive or a local CD-ROM drive. Specify B if the subscriber is to retrieve files from both. If both (B), first the addressable location on the agent computer is checked for the necessary resources. If the files are not found, then the Staging Server is requested to supply them. If there is no STAGER instance assigned to the subscriber, the client obtains the files from the Configuration Server. If there <i>is</i> a STAGER instance assigned to the subscriber, the client attempts to obtain resources from all possible sources, in the following sequence: The location specified by ZNETNDRV and ZNETNDIR. This can be a local CD-ROM drive or a network share. The 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. The location specified by ZSTGSDRV and ZSTGSDIR. This can be a dedicated Staging Server, or a Staging Server co-resident with a Configuration Server. The resources are unavailable from this source if the ZSTGSDRV and ZSTGSDIR are blank, or if the Staging Server cannot supply them from the designated location. 3. The Configuration Server.	S	4 V

Table 36 STAGER Class Attribute Reference

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

Users (USER) Class


File:	PRIMARY	Description:	Use to define individual subscribers or agent computers.
Domain:	POLICY		
Class:	USER		
Icon:		Can connect to:	COUNTRY, DEPT, HTTP, STAGER, , MULTICAST, WORKGRP, ZSERVICE

Table 37 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.WORK GRP. 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
SELPIND	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

Table 37 USER Class Attribute Reference

TYPSEL	Type Selection-Calc. Pack Size	Typical	10 V
UNAME	Name		30 V
USERID	Enterprise User ID: A valid eight-character alphanumeric User ID that identifies the Client Automation user. This must be the enterprise User ID that is already administered and authenticated by security software at your site. Eight-character Client Automation User ID.		8 V
ZCONFIG	Collect Hardware Information [Y/N]: Specify Y to allow hardware auditing information to be collected from the user's desktop. Specify N, and you will not be able to audit hardware assets. Note that this attribute value does not specify what is audited on a user's desktop, only that it can be.	Y	1 V
ZDLIMIT	Maximum Disk Space	0	11 V
ZGRPINFO	Gather Group Membership Information [Y/N]	N	1 V
ZOBJPFUE	Free Unused Pool Elements	Y	1 V
ZOBJPTCH	Perform Patching [Y/N]	N	1 V
ZPRIORIT	Execute Priority: For multiprocessing platforms, establishes the priority at which the agent connect process will execute Create methods. Numeric value between 1 and 99.	000	3 V
ZSETMSGGA	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

Table 37 USER Class Attribute Reference

ZTIMEO	Client Time-out (seconds): Time that the Agent will wait for Configuration Server response, before the agent program is deactivated (timed out). Numeric value between 0 and 240 (in 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
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, MULTICAST

Table 38 WORKGRP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Offers: Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
<u>_ALWAYS_</u>	Utility Resolution Method: Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST.		50 M
NAME	Friendly Name		80 V
ZSTOP	Stop Resolution Expression: Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

9 The SECURITY Domain

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

Alert/Defer (ALERTDEF) Class


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

Table 1 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

Table 1 ALERTDEF Class Attribute Reference

DAT	Above Threshold Alert Size (bytes)	0	12 V
DTO	Alert Timeout (in seconds) Specify in seconds the amount of time to display the Defer Alert dialog box. After the timeout is reached, the action specified in the DA (Action on timeout) variable, will be taken.	120	4 V
DA	Action on timeout Cont/Defer [C/D] Specify C to continue with the specified action if the subscriber does not respond to the defer alert dialog box by the value specified in the DTO (Alert Timeout). Specify D to defer the specified action.	C	1 V
DI	Allow Install Deferral up to [DATE] After this date is reached, the option to defer installation will no longer be available. The application will be installed. This should be in the format YYYYMMDD.	NA	20 V
DU	Allow Update Deferral up to [DATE] After this date is reached, the option to defer installation will no longer be available. The application will be updated. This should be in the format YYYYMMDD.	NA	20 V
NAME	Friendly 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. <i>Do not modify.</i>	&(DM),&(DN),&(DT),&(DBT),&(DAT),&(DTO),&(DA),&(DI),&(DU)	12 V

Application (ZSERVICE) Class


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

Table 2 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Contains Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
<u>_ALWAYS_</u>	Contains An <u>_ALWAYS_</u> class connection is always resolved. An Includes connection is used to express inter-package relationships.		50 I
<u>_ALWAYS_</u>	Utility Resolution Method Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST.		51 M
ADAPTIVE	Auto Adaptability [Y/N] Indicates whether the installed package is dependent on client settings that must be monitored periodically. If the settings change, the client must reconnect to the Configuration Server to get new or different components. Useful for plug-and-play services.		1 V
AUTHOR	Author Name Name of the author of the service that appears in the properties for the service in the Service List.		50 V

BDELETE	Service Pre-Delete Method Method to run before deleting the service.		100 M
BREPAIR	Service Pre-Update Method Method to run before updating the service.		100 M
BUPDATE	Service Pre-Repair Method Method to run before repairing the service.		100 M
CACHE	App Element Caching [Y/N]	N	1 V
CACHELIM	Percent Disk Limit for Cache Cache limit, which is defined as the percentage of used drive space. Type a number between 000 and 100. Note: Used for Windows Installer applications only. If the percentage of used space is greater than the cache limit, then all of the cached files for the product are removed and the cache folder is deleted. This is checked after every file is cached on the disk.	000	3 V
CACHELOC	CACHE Location on Client For Windows Installer applications only. Location of the folder on the agent computer that is used to cache the compressed application files needed for the product. HPCA 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	<p>Catalog Group Name Type a name for the catalog to be displayed to subscribers when they click Properties in the Application Self-service Manager user interface.</p>		30 V
COMPSIZE	<p>Application Size – Compressed The size of the compressed application displayed to the subscribers when they click Properties in the Application Self-service Manager user interface. Cumulative value of the COMPSIZE defined in the PACKAGE Class.</p>		12 V
DELDATE	<p>Delete Date Indicates when the application was removed (in local time) from the agent computer. The Agent manages and maintains this attribute.</p>		32 V
DESCRIPT	<p>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).</p>		100 V
ERTYPE	<p>Event Reporting Method [O/E/X] Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server. O = Object Currently supports object format only.</p>	O	1 V
EVENTS	<p>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</p>	AI=B AD=B AU=B AR=B AV=F VA=B VD=B	50 V

INSTDATE	Installed Date Indicates when the application was installed (in local time) on the agent computer. The Agent manages and maintains this attribute. The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
ITEMS	Number of Component Instances 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
MCELIBL	Service Multicast Eligible [Y/N] Indicates if the application is eligible for multi-casting.	Y	1 V
NAME	Friendly Name Friendly name for the service. This appears in the properties for the service in the Service List.		80 V
OWNER	Application Contact Package owner, as documented by the Admin Publisher.		50 V
PRICE	Price Type the price of an application to be displayed to subscribers when they click Properties in the Application Self-service Manager user interface.		10 V
PUBDATE	Published Date of Service Date service was published.		32 V

REBOOT	<p>Install/Update/Delete/Version Change</p> <p>Used to restart the agent computer after the service is installed.</p> <p>Event to report on:</p> <p>AI =Install AD =Deinstall AU =Update AR =Repair AV =Verify</p> <p>Type of reboot:</p> <p>S = Soft Boot (Default of type Y panel.) H = Hard Boot (Default of type A panel.) N = None</p> <p>Type of panel:</p> <p>Q = No panel. A = OK button only. Y = OK and Cancel button.</p> <p>Type of connect:</p> <p>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.</p> <p>Example: AI=S performs a soft boot on application installation.</p>		64 V
RECONFIG	<p>Reconfiguration Enabled [Y/N]</p> <p>Indicates whether an application can be relocated after it has been installed.</p>		1 V
REMOVAL	<p>Un-Managed Behavior [A/D/U]</p> <p>Controls removal of the service.</p> <p>If ZVCMO is set to M, set REMOVAL to:</p> <p>A = Abandon (deletes the objects, but not the components) D = Delete (deletes the objects and components)</p> <p>If ZVCMO is set to O, set REMOVAL to:</p> <p>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)</p>	D	1 V

RSTRSIZE	<p>Download Restart Threshold (in bytes)</p> <p>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)</p>	0	11 V
RUNDLG	<p>Dialog Processing [Y/N]</p> <p>Specifies whether to enable processing of dialog boxes during the installation of the service.</p>	N	1 V
RUNLEVEL	<p>Runlevel Support for UNIX.</p>		1 V
SCHEDOK	<p>Update Schedule Locally [Y/N]</p> <p>Specifies whether the subscribers are allowed to change the update schedule for the service locally.</p> <p>Y = Subscriber is allowed to change the schedule.</p> <p>N = Configuration Server controls the update schedule.</p>		1 V
SIZE	<p>Application Size – Uncompressed</p> <p>The size of the uncompressed application displayed to the subscribers when they click Properties in the Application Self-service Manager user interface.</p>		12 V
THROTYPE	<p>[ADAPTIVE/RESERVED/NONE/]</p> <p>Type of Bandwidth throttling to use.</p> <p>Set to ADAPTIVE to yield to other services that are using the network.</p> <p>Set to RESERVED to allow for a specific reservation of the bandwidth. It is the maximum percentage of network bandwidth to use.</p> <p>Set to NONE for no bandwidth throttling, and use the maximum available bandwidth. NONE is the default.</p>		8 V

UIOPTION	<p>Progress Indicator [NONE/FULL/INFO]</p> <p>Controls whether the status window appears.</p> <p>NONE = No interface appears.</p> <p>FULL = Interface appears and Cancel button is available.</p> <p>INFO = Interface appears with no option to cancel.</p>		4 V
UIOPTMSI	<p>MSI Progress Indicator [NONE/FULL/INFO]</p> <p>Controls whether the MSI status window appears.</p> <p>NONE = No interface appears.</p> <p>FULL = Displays what is happening on the agent computer and provides the subscriber with controls to make changes.</p> <p>INFO = Displays what is happening on the agent computer, but disables all the controls so that the subscriber cannot make any changes. See the Setup log files and Event Viewer for warnings, errors, successes, failures, and other details.</p>		
UPDDATE	<p>Upgrade Date (Programmatic)</p> <p>Stores the date when the file was updated on the Configuration Server.</p>		32 V
UPGDATE	<p>When Application was Upgraded</p> <p>Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the HPCA user after the dialogs have been installed. This date can be used for reporting purposes.</p> <p>The date is in text form, as in: Jan 28, 1998 16:10:00.</p>		32 V
URL	<p>WEB URL Name</p> <p>Address of a Web page where the subscriber can find additional information about the service.</p>		100 V
VENDOR	<p>Vendor Name</p> <p>Name of the vendor of the service.</p>		24 V

VERDATE	<p>Verified Date of Service</p> <p>Indicates when the application was last verified (in local time) on the agent computer. The Agent manages and maintains this attribute.</p>		32 V
VERSION	<p>Version Description</p> <p>Version of the software. This appears in the properties for the service in the Service List.</p>		50 V
ZAVIS	<p>Available, Verified, Installed, Sync F</p> <p>The Agent manages and maintains this attribute to show the different states of the application in the Service List.</p> <p>Y = Yes N = No X = Unknown</p> <p>The four states are:</p> <p>Available indicates whether a service is available from the Configuration Server.</p> <p>Verified indicates whether a service has been verified.</p> <p>Installed indicates whether the service has been installed.</p> <p>Synchronized indicates whether the installed service has all of the latest changes from the Configuration Server.</p>	YXNX	4 V
ZBITARCH	<p>Target Bit Architecture [/32/64]</p> <p>Set to 32 to deploy to 32-bit architectures.</p> <p>Set to 64 to deploy to 64-bit architectures.</p> <p>Set to blank to deploy to all architectures.</p>		8 V
ZBWAPCT	<p>Adaptive Percentage</p> <p>Adaptive minimum percentage of bandwidth used when using bandwidth throttling.</p>		3 V
ZBWPCT	<p>Reserved Percentage</p> <p>Reserved maximum percentage bandwidth used when using bandwidth throttling.</p>		3 V
ZCONTEXT	<p>Component Context [M/U]</p>		8 V

ZCREATE	Service Installation Method HPCA-supplied method or fully qualified, user-defined method.		255 M
ZDELETE	Service Delete Method HPCA-supplied method or fully qualified, user-defined method.		255 M
ZDISCONN	Disconnect on Install [Y/N] Allows the client to disconnect from the Configuration Server if there is an open session with the Configuration Server. Y = Disconnects the client from the Configuration Server. N = Does not disconnect from the client from the Configuration Server.	Y	1 V
ZINIT	Service Initialization Method A fully qualified, user-defined method.		100 M
ZREPAIR	Service Repair Method Name of the method to repair the service.		255 M
ZSTOP000 to ZSTOP002	Stop Resolution Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		100 E
ZSTOP999	Stop Unless Radia Connect		50 E
ZSVCCAT	Service Visible in Catalog? [Y/N]		1 V
ZSVCCSTA	Service Status on Client (999) Status code for the service that leads you to the reason why files for a service may not be deployed correctly. 000 = All actions for service completed. 008 = At least one resource had a writer error. 014 = No disk space for at least one resource. 015 = ZDLIMIT exceeded for at least one resource. 024 = A method timed out. 036 = A create method set ZBRC>7. 900 = Not all files were verified. No work done for service.	999	3 V

ZSVCMO	<p>Mandatory/Optional Service [M/O/MO/OM]</p> <p>Indicates whether the service is mandatory or optional on the Agent. If you are using Client Automation Application Manager <i>and</i> 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.</p>	O	1 V
ZSVCMODE	<p>Application Context [M/U/MU]</p> <p>Specifies whether the service is to be installed in the Machine or User context.</p> <p>M = Machine U = User</p>		2 V
ZSVCNAME	<p>Service Name/Description</p>	Unknown Service	24 V
ZSVCPRI	<p>Service Create Ordering [01-99]</p> <p>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.</p> <p>01 = Highest priority 10 = Default value 99 = Lowest priority</p>		2 V
ZSVCTTYP	<p>Application Target Type [A/S]</p> <p>Indicates which Agent will receive this application.</p> <p>A = Application Manager S = Application Self-service Manager</p>		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 HPCA-supplied method or fully qualified, user-defined method.		255 M
ZVERIFY	Service Verify Method		255 M

Application Control Class (APPCNTRL)


File:	PRIMARY	Description:	The Application Control Class is used to publish and execute Application Management Profiles (AMPs). Refer to the <i>HP Client Automation Application Management Profiles User Guide</i> for additional information on using AMPs.
Domain:	SECURITY		
Class:	APPCNTRL		
Icon:		Can connect to:	

Table 3 Application Control Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
AUTHOR	Author Name		255 V
PMODDT	Parent Modified date/time (ISO8601)		32 V
PCREDT	Parent Created date/time (ISO8601)		32 V
MODDT	Modified Date/Time (ISO8601)		32 V
CREDT	Created Date/Time (ISO8601)		32 V
TITLE	Title		255 V

TYPE	Type of Profile [CAP/MAP]		8 V
LANGUAGE	Language		8 V
SCHEMAVER	Schema Version		32 V
REVISION	Revision		32 V
PRODUCT	Product Name		255 V
PRODVER	Product Version		32 V
ZRSCCFIL	File Name		255 V
LOCATION	Resource Location		255 V
ZRSCSIZE	Resource Size		12 V
ZRSC TYP	Resource Type		32 V
ZRSCSIG	Resource		32 V
SIGTYPE	Signature Type		5 V
ZRSCRSTR	Restart options		1 V
ZCMPSIZE	Resource compressed size		12 V
ZRSCDATE	Resource Date		8 V
ZRSC TIME	Resource Time		8 V
ZRSCVRFY	Verify options		32 V
ZRSCCRC	Resource CRC		8 V

ZSTATUS	Instance Status	999	3 V
ZOBJPRI	Instance Priority		3 V
ZCONTEXT	Instance Context		1 V

Application Packages (PACKAGE) Class


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

Table 4 PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
<u>_ALWAYS_</u>	Package Includes Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
BEHAVIOR	Behavior Includes connection to BEHAVIOR Class instances		255 I
COMPSize	Package Compressed Resource Size Compressed size of package (in bytes).		12 V

DESCRIPT	Application Description Description of the service that appears in the properties for the service in the Service List. Value is set initially in the Long Description field in the New Application Wizard (used to create a service).		255 V
DESKTOP	Desktop Includes connection to DESKTOP Class instances.		255 I
FILE	File Includes connection to FILE Class instances.		255 I
INCLUDES	Package Includes Generic Includes connection.		50 I
ITEMS	Number of Component instances Number of component instances in a package at time of publishing.		7 V
NAME	Friendly Name		80 V
OWNER	Application Contact Package owner, as documented by the Admin Publisher.		80 V
PATH	Path Includes connection to PATH Class instances.		255 I
PKGNAME	Package Name		80 V
REGISTRY	Registry Includes connection to REGISTRY Class instances.		255 I
RELEASE	Package Release Release level of the package, as documented by the Admin Publisher.		80 V
REQUIRES	Required Package Level Generic Requires connection.		80 R
SIZE	Package Resource Size-Uncompressed Size of package (in bytes).		12 V

UNIXFILE	UNIX File Includes connection to UNIXFILE Class instances.		255 I
ZBITARCH	Target Bit Architecture [/32/64] Set to 32 to deploy to 32-bit architectures. Set to 64 to deploy to 64-bit architectures. Set to blank to deploy to all architectures.	_UNDEF_	8 V
ZSTOP000 to ZSTOP003	Stop Resolution Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

Auto Run (EXECUTE) Class


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

Table 5 EXECUTE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ARGUMENT	Arguments passed to the program Stores the arguments that have to be passed to the program to be launched.		255 V
EXECPATH	Fully qualified executable name Stores the fully qualified name of the executable to be launched after an application install.		255 V
WORKDIR	Starting Directory Stores the name of the directory/folder from which the executable is started.		255 V

ZCREATE	Create Method Stores the Client Automation method name that is used to create a list of programs that need to be executed after an application is installed.	EXECUTE	50 M
ZDELETE	Delete Method HPCA-supplied method or fully qualified, user-defined method.	EXECUTE	50 M
ZVERIFY	Verify Method	EXECUTE	50 M

Behavior Services (BEHAVIOR) Class


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

Table 6 BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
CMPMD5	Compressed File MD5 Signature	<u>_UNDEF_</u>	32 V
FILEMD5	File MD5 Signature	<u>_UNDEF_</u>	32 V
LOCATION	Location		255 V
NAME	Friendly Name Name that appears in the CSDB Editor for this class.		80 V

OBJGUID	Instance GUID Object Global Unique Identification – <i>for future use.</i>	_UNDEF_	32 V
ZCMPKEY	Compression Key Not used.		80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	Method to Install Behavior Name of method to install a resource file. HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Behavior HPCA-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. HPCA-supplied method or fully qualified, user-defined method.		50 V
ZINIT	Resource Initialization Method HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZOPENERR	Client Method on File Open Error HPCA-supplied method or a fully qualified, user-defined method.	EDMLKM	50
ZRSCCFIL	Behavior File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit file name.		255 V
ZRSCCKPT	Resource Checkpoint: Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	N	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V

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

ZRSCRASH	DOS File Attribute [R/A/S/H] Enables you to specify file attributes for a resource. Read-only Archive System Hidden.		4 V
ZRSCRSTR	Restart [Y/N] You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	Behavior Size Byte count of resource file from promote process. A value up to 11 digits long.		11 V
ZRSCSRC	Resource Source,that is Publisher		20 V
ZRSCSRC	Resource Source		1 V
ZRSCSTYP	Server File Type [BINARY/TEXT] File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N] Enables you to skip the reactivation of version resources if the version is already active. Y = Skip the rebuilding of version resources N = Rebuild version resources	Y	1 V
ZRSCTIME	Behavior Time Stamp Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V

<p>ZRSCVRFY</p>	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>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.</p> <p>N = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted.</p> <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS . EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>	<p>Y</p>	<p>1 V</p>
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	<p>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.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZUPDATE	<p>Client Instance Update Method</p> <p>If an object (resource instance) has been updated by an administrator, this method will be executed.</p>		50 M
ZUSERID	<p>Admin ID</p>		30 V

Class Defaults (METACLAS) Class


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

Table 7 METACLAS Class Attribute Reference

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

Desktop (DESKTOP) Class


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

Table 8 DESKTOP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> 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 HPCA-supplied method or fully qualified, user-defined method.	RADCLNK	50 M
ZDELETE	Method to Delete Link HPCA-supplied method or fully qualified, user-defined method.	RADDLNK	50 M
ZINSTALL	Method CLNK Processing [Y/N] Stores if the links/icons have to be installed.		1 V
ZOBJPRI	Priority [09-99]	60	2 V
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZRSCLFIL	Link Path Stores the fully qualified name for the link. The links are usually created in the Windows folder, which might appear in different drives for different users. The Windows system directory is usually stored in the ZMASTER object in ZWINDRV & ZWINDIR variables.. A special variable, \$NTUSER\$, can be used to distinguish between different user directories. This variable is interpreted by the EDMCLNK create method to store the value of the current user.		255 V
ZRSCMO	Mandatory/Optional [M/O]	o	1 V
ZSTATUS	Client Status	999	3 V
ZW95ARGS	Command Line Parameters Stores the arguments to be passed to the executable specified in the ZW95PATH field.		255 V
ZW95DESC	Icon Description A brief description for the icon/link.		60 V
ZW95HOTK	Hot Key Assigned by MS Windows		12 V
ZW95ICON	Icon File		128 V
ZW95INDX	Index of Icon		60 V

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

Dialog Services (DIALOG) Class


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

Table 9 DIALOG Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
<u>_ALWAYS_</u>	Utility Resolution Method Any method you specify for this attribute is unconditionally executed by HPCA when this object is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST.		51 M
AUTHOR	Author Name Name of the author of the dialogs.		50 V
CATALOG	Catalog Name The catalog name for this dialog.	&(CATALOG. CATNAME)	32 V
COMPSIZE	Application Size- Compressed Stores the compressed size of all the dialog components (informational). This value is filled in by the Admin Publisher or packager when the dialogs are stored in the CSDB.		12 V
DESCRIPT	Application Description Description of the dialog that appears in the properties for the service in the Service List. Value is set initially in the Long Description field in the New Application Wizard (used to create a service).		255 V
INSTDATE	Installed Date Stores the date and time when the dialog was installed on the client desktop. This value is set by the HPCA user after a dialog has been installed. It is useful for reporting purposes. (informational). The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
NAME	Friendly Name Stores the dialog name.		80 V
PRICE	Price		10 V
PUBDATE	Published Date of Service Date service was published.		32 V

SCHEDOK	<p>Update Schedule Locally [Y/N]</p> <p>Specifies whether the subscribers are allowed to change the update schedule for the service locally.</p> <p>Y = Subscriber is allowed to change the schedule.</p> <p>N = Configuration Server controls the update schedule.</p>		1 V
SIZE	<p>Application Size - Uncompressed</p>		12 V
UPDDATE	<p>Upgrade Date (Programmatic)</p> <p>Stores the date when the file was updated on the Configuration Server.</p>		12 V
UPGDATE	<p>When Application was Upgraded</p> <p>Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the HPCA user after the dialogs have been installed. This date can be used for reporting purposes.</p> <p>The date is in text form, as in: Jan 28, 1998 16:10:00.</p>		12 V
URL	<p>WEB URL Name</p> <p>Stores the address of a Web page, where additional information is available about this application.</p> <p>http://www.company_name.com</p>		255 V
VENDOR	<p>Vendor Name</p>		24 V
VERDATE	<p>Verified Date of Service</p>		32 V

ZAVIS	<p>Available, Verified, Installed, Sync F</p> <p>The Agent manages and maintains this attribute to show the different states of the application in the Service List.</p> <p>Y = Yes N = No X = Unknown</p> <p>The four states are:</p> <p>Available indicates whether a service is available from the Configuration Server.</p> <p>Verified indicates whether a service has been verified.</p> <p>Installed indicates whether the service has been installed.</p> <p>Synchronized indicates whether the installed service has all of the latest changes from the Configuration Server.</p>	YXNX	4 V
ZCREATE	<p>Service Installation Method</p> <p>HPCA-supplied method or fully qualified, user-defined method.</p>	50 M	
ZDELETE	<p>Service Delete Method</p> <p>HPCA-supplied method or fully qualified, user-defined method.</p>		50 M
ZINIT	<p>Service Initialization Method</p> <p>A fully qualified, user-defined method.</p>		50 M
ZSVCCONF	<p>Confirm Service Install [Y/N]</p> <p>Enables you to confirm the service was downloaded.</p>	N	1 V
ZSVCCSTA	<p>Service Status on Client (999)</p> <p>Service status code.</p> <p>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</p>	999	3 V
ZSVCINST	<p>Service Installation Date/Time</p>		32 V

ZSVCMO	<p>Mandatory/Optional Service [M/O/MO/OM]</p> <p>Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager <i>and</i> 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.</p>	M	1 V
ZSVCNAME	<p>Service Name/Description</p> <p>Name of the service, e.g., VB Calculator.</p>		24 V
ZSVCPRI	<p>Service Create Ordering [01-99]</p> <p>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.</p> <p>01 = Highest priority 10 = Default value 99 = Lowest priority</p>		2 V
ZSVCSEL	<p>Update Force Bypass Remove [U/F/B/R]</p> <p>If ZSVCMO is optional, this attribute can be Update, Force, Remove, or Bypass.</p> <p>Update Force Remove Bypass</p>		1 V
ZSVCUPD	<p>Service Update Date/Time</p>		32 V
ZSVCVERS	<p>Version Activation Level</p> <p>Version number of resources or service from the promotion process.</p>		12 V
ZUPDATE	<p>Service Update Method</p> <p>HPCA-supplied method or fully qualified, user-defined method.</p>		50 M

File Resources (FILE) Class


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

Table 10 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 – <i>for future use.</i>	_UNDEF_	32 V
PVERSION	Promote Version	_UNDEF_	30 V
SIGTYPE	File Signature Type		3 V
ZCMPKEY	Compression Key Not used.	_UNDEF_	80 V

ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Resource HPCA-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. HPCA-supplied method or fully qualified, user-defined method		50 M
ZINIT	Resource Initialization Method HPCA-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 HPCA-supplied method or fully qualified, user-defined method.	RADLKM	50 M
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZREPAIR	Client Instance Repair Method		50 M
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	Resource Checkpoint Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V

ZRSCCSTA	Client File Status Resource status code. 000 = Successfully downloaded 001 = Data can be found in EDMDATA directory 004 = Resource with no data 008 = Could not create the file 009 = No disk space for file (ZRSCMO=O) 010 = ZDLIMIT was exceeded (ZRSCMO=O) 011 = No data in HPCA for resource 014 = No disk space (ZRSCMO=M) 015 = ZDLIMIT was exceeded (ZRSCMO=M) 024 = Time-out waiting for method 036 = A method was set ZBRC>7 999 = No work done for resource	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMEM	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. Read-only Archive System and/or Hidden		4 V
ZRSCRSTR	Restart [Y/N/R] Restart a download process at the point it was interrupted (Y), or resend the entire object (No). Set to (R) to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	N	3 V
ZRSCSIG	File Signature		32 V
ZRSCSIZE	Resource Size Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, i.e., Publisher Stores the source of the resource: If resource was retrieved from Configuration Server, the value would be M. If resource existed on the desktop, the value would be E. If resource was retrieved from Stager, value would be S. These values are filled in by the HPCA user during an application installation. When the user uninstalls an application, only the files that were retrieved from the Configuration Server or the Staging Server would be deleted. The files that existed on the desktop prior to an application install would not be deleted.		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT] File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N] Enables you to skip the reactivation of version resources if the version is already active. Y = Skip the rebuilding of version resources N = Rebuild version resources		1 V
ZRSCTIME	Resource Time Stamp Time stamp on resource file from promote process.		8 V

ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V
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ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <p>The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted.</p> <p>N = The file will be distributed if:</p> <p>The file has not been distributed before. Or, The file was re-promoted.</p> <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS . EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>	Y	1 V
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	<p>Note that for the file to be verified during subsequent connects, you must also set this variable to Y.</p> <p>U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZUPDATE	<p>Client Instance Update Method</p> <p>If an object (resource instance) has been updated by an administrator, this method will be executed.</p>		50 M

HTTP Proxy (HTTP) Class


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

Table 11 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
HTTPPROXO	Use Web server if proxy fails	N	1 V
HTTPPROXP	Proxy Server Port	80	4 V
HTTPPROXY	Proxy Server Host		255 V
HTTPVDIR	Web Server Virtual Directory	/RADIADB	255 V
ZPCPROTL	Protocol [HTTP]		4 V
ZSTGOPT	Enable Staging	1	1 V

IBM AIX Packages (AIX) Class


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

Table 12 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 – <i>for future use.</i>	_UNDEF_	32 V
PKGDESC	Package Description		80 V
PREREQ	AIX Package Prerequisites		255 V
RELYONDB	Verify Error Code? [Y/N]		1 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	Method to Install Resource HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGUID	File Group Name		32 V
ZPERUID	File Owner Name		32 V
ZREPAIR	Method to Repair Resource	hide nvdkit method	60 M
ZRSCCFIL	AIX Package File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE _INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N]	Y	1 V
ZRSCCRC	Resource CRC		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp – From Promote		8 V
ZRSCFLEV	Filesets + Levels		255 V
ZRSCFSET	Filesets in the Package		255 V
ZRSCMO	Mandatory/Optional on client [M/O]	M	1 V
ZRSCNAME	AIX Package Name	_BASE _INSTANCE_	255 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	Create Sequence Priority	50	2 V

ZRSCRASH	File Permissions		4 V
ZRSCRSTR	Restart [Y/N]	Y	3 V
ZRSCSIZE	Resource Size – From Promote		11 V
ZRSCSRC	Resource Source, i.e. Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp – From Promote		8 V
ZRSCVERS	Resource Version – From Promote		12 V
ZRSCVRFY	Verify Resource File on Connect	Y	8 V
ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method	hide nvdkit method	60 M
ZVERIFY	Method to Verify Resource	hide nvdkit method	40 M

Install Options (INSTALL) Class


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

Table 13 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
COMPIC	Components Picture (bmp)	&(WELCPIC)	12 V
COPYRITE	Copyright Text	@Copyright 1998	30 V
EULAPIC	EULA Picture (bmp)	&(WELCPIC)	12 V
EULATEXT	End User License Agreement Text	This software is protected by copyright laws. By accepting, you are agreeing with all terms included in the original program documentation.	200 V
IDIRNAME	Install Directory Name		100 V
IDIRPIC	Install Directory Picture (bmp)	&(WELCPIC)	12
KEYFILE	Search for File Name		12 V

NAME	Friendly Name		80 V
OPTS1SEL	Option 1 Selected [Y/N]	Y	1 V
OPTS1TXT	Option 1 Description		20 V
OPTS2SEL	Option 2 Selected [Y/N]	Y	1 V
OPTS2TXT	Option 2 Description		20 V
OPTS3SEL	Option 3 Selected [Y/N]	Y	1 V
OPTS3TXT	Option 3 Description		20 V
OPTS4SEL	Option 4 Selected [Y/N]	Y	1 V
OPTS4TXT	Option 4 Description		20 V
OPTSPIC	Options Picture (bmp)	&(WELCPIC)	12 V
SCANDRVS	Search Drives		32 V
SHOWCOMP	Show Components [Y/N]	N	1 V
SHOWEULA	Show End User License Agreement [Y/N]	Y	1 V
SHOWIDIR	Show Install Directory [Y/N]	N	1 V
SHOWOPTS	Show Options [Y/N]	N	1 V
SHOWTYPE	Show Install Type [Y/N]	N	1 V
SHOWUINF	Show User Info [Y/N]	N	1 V
SHOWWELC	Show Welcome (N disables all) [Y/N]	Y	1 V
TYPE1BTN	Type 1 Button Caption	Typical	10 V
TYPE1TXT	Type 1 Description	Program will be installed with the most common options. Recommended for most users.	100 V

TYPE2BTN	Type 2 Button Caption	Custom	10 V
TYPE2TXT	Type 2 Description	You may choose the options you want to install. Recommended for advanced users.	100 V
TYPE3BTN	Type 3 Button Caption		10 V
TYPE3TXT	Type 3 Description		100 V
TYPEPIC	Install Type Picture (bmp)	&(WELCPIC)	12 V
TYPESEL	Type Selection	Typical	10 V
UINF1LBL	User Info 1 Label		12 V
UINF1TXT	User Info - Text 1		30 V
UINF2LBL	User Info 2 Label		12 V
UINF2TXT	User Info - Text 2		30 V
UINF3LBL	User Info 3 Label		12 V
UINF3TXT	User Info - Text 3		30 V
UINFNAME	User Info - Name		30 V
UINFPIC	User Info Picture (bmp)	&(WELCPIC)	12 V
WELCPIC	Welcome Picture (bmp)	instpic.bmp	12 V
ZOBJDATA	Search Operation is Scan [SCN]	SCN	3 V
ZRSCCDIR	Search Directory	*\	255 V
ZRSCCDRV	Search Drive	&(ZMASTER.ZWINDRV)	19 V
ZRSCSTYP	Search File Type [BINARY]	BINARY	6 V

Linux RPM Packages (RPM) Class


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

Table 14 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 – <i>for future use.</i>	_UNDEF_	32 V
PKGARCH	RPM Package Architecture		32 V
PKG EPOCH	RPM Package EPOCH		32 V
PKGNAME	RPM Package Name		32 V

PKGREL	RPM Package Release		32 V
PKGSUMM	RPM Package Summary		100 V
PKGVER	RPM Package Version		32 V
RELYONDB	Verify Error Code? [Y/N]		1 V
REQCMDS	Requires Commands		255 V
REQLIBS	Requires Shared Libraries		255 V
REQPKGS	Requires Package		255 V
VRFYOPTS	Package Verify Options		60 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	Method to Install Resource HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.	RADLKM	50 M
ZPERGUID	File Group Name		32 V
ZPERUID	File Owner Name		32 V
ZREPAIR	Method to Repair Resource	hide nvdkit method	60 M

ZRSCCFIL	RPM Package File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ _INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N]	Y	1 V
ZRSCCRC	Resource CRC		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp - From Promote		8 V
ZRSCMO	Mandatory/Optional on client [M/O]	M	1 V
ZRSCNAME	RPM Package	_BASE_ INSTANCE_	255 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	Create Sequence Priority	50	2 V
ZRSCRASH	File Permissions		4 V
ZRSCRSTR	Restart [Y/N]	Y	3 V
ZRSCSIZE	Resource Size - From Promote		11 V
ZRSCSRC	Resource Source, that is Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp - From Promote		8 V
ZRSCVERS	Resource Version - From Promote		12 V

ZRSCVRFY	Verify Resource File on Connect	Y	8 V
ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method	hide nvdkit method	60 M
ZVERIFY	Method to Verify Resource	hide nvdkit method	40 M

Mac Alias (MACALIAS) Class


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

Table 15 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 HPCA-supplied method or fully qualified, user-defined method.	RADCALIS	50 M
ZDELETE	Method to Delete Link HPCA-supplied method or fully qualified, user-defined method.	RADDALIS	50 M
ZINSTALL	Method CLNK Processing [Y/N]		1 V
ZMACCRTR	Macintosh File Creator of Alias		6 V
ZMACSRVR	Server Name of Alias Target		32 V
ZMACTRGT	Alias Target File Path		255 V
ZMACTYPE	Macintosh File Type of Alias		6 V
ZMACZONE	Network Zone of Alias Target		32 V
ZOBJPRI	Priority [00-99]	60	2 V
ZRSCAFIL	Alias Path		255 V
ZRSCMO	Mandatory/Optional [M/O]	O	1 V

Mac File Resources (MACFILE) Class


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

Table 16 MACFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> 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 – <i>for future use.</i>	<u>_UNDEF_</u>	32 V
SIGTYPE	File Signature Type		3 V
ZCMPKEY	Compression Key		80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V

ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Resource HPCA-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. HPCA-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 HPCA-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_INSTA NCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V

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

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before, Or, the file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>	Y	8 V
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	<p>Note that for the file to be verified during subsequent connects, you must also set this variable to Y.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>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.</p> <p>Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number, then it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method		50 M

Mobile File Resources (RMMFILE) Class


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

Table 17 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 – <i>for future use.</i>	_UNDEF_	32 V
PVERSION	Promote Version	_UNDEF_	30 V
SIGTYPE	File Signature Type		3 V
UPROIMPT	User Prompt [Y/N]	N	1 V
ZAPPNAME	PDA Application Name		50 V
ZCMPKEY	Compression Key	_UNDEF_	80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	Method to Install Resource HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.	RADLKM	50
ZPDAVERS	PDA Resource Internal Version		20 V
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZREPAIR	Client Instance Repair Method		50 M
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N]	Y	1 V
ZRSCCPADM	Admin ID		30 V
ZRSCCRC	Resource CRC		8 V
ZRSCCSTA	Client file Status	999	3 V
ZRSCDATE	Resource Date Stamp – From Promote		8 V
ZRSCMMEM	PDS Member Name		8 V
ZRSCMO	Mandatory/Optional on Client [M/O]	M	1 V
ZRSCNAME	Resource Name	&ZRSCCFIL	30 V
ZRSCOBJN	Persistent Object Name		8 V
ZRSCPRI	Create Sequence Priority	50	2 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCRSCR	Restart [Y/N]	N	3 V

ZRSCSIG	File Signature		32 V
ZRSCSIZE	Resource Size - From Promote		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp - From Promote		8 V
ZRSCVERS	Resource Version - From Promote		12 V
ZRSCVRFY	Verify Resource File on Connect	Y	8 V
ZUPDATE	Client Instance Update Method		50 M

MSI Basic Resources (MSIBASIC) Class


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

Table 18 MSIBASIC Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Connect To Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BCREATE	Method Before Install		50 M
BDELETE	Method Before De-Install		50 M
BREPAIR	Method Before Repair		50 M
BUPDATE	Method Before Update		50 M
BVERIFY	Method Before Verify		50 M
FVERSION	File Version	_UNDEF_	30 V
LOCATION	Location		255 V
NAME	Friendly Name		80 V
PRODGUID	MSI Product GUID		50 V
PVERSION	Promote Version	_UNDEF_	30 V
SIGTYPE	File Signature Type		3 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	Method to Install Resource HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZREPAIR	Client Instance Repair Method		50 M
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit file name.		255 V
ZRSCCRC	Resource CRC		8 V
ZRSCCSTA	Client file Status	999	3 V
ZRSCDATE	Resource Date Stamp – From Promote		8 V
ZRSCMO	Mandatory/Optional on Client [M/O]	M	1 V
ZRSCPRI	Create Sequence Priority	50	2 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCRSCR	Restart [Y/N]	N	3 V
ZRSCSIG	File Signature		32 V
ZRSCSIZE	Resource Size – From Promote		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCTIME	Resource Time Stamp – From Promote		8 V
ZRSCVRFY	Verify Resource File on Connect	Y	8 V
ZUPDATE	Client Instance Update Method		50 M
ZVERIFY	Client Instance Verify Method		50 M

MSI Features (MSIFEATS) Class


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

Table 19 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 – <i>for future use.</i>	_UNDEF_	32 V
PARENTID	Parent Feature ID		38 V
SEQNO	Sequence Number		4 V

MSI Properties (MSIPROPS) Class


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

Table 20 MSIPROPS Class Attribute Reference

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

MSI Resources (MSI) Class


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

Table 21 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
MSIDRVR	Use Local AIP [Y/N]		1 V
NAME	Friendly Name	Defaults	80 V
OBJGUID	Instance GUID Object Global Unique Identification – <i>for future use.</i>	_UNDEF_	32 V
ORGNAME	Organization Name		100 V
PRODGUID	MSI Product GUID	_UNDEF_	50 V
PRODVER	Product Version	_UNDEF_	10 V
SALVAGE	Salvage Cache Files [U/M/B/N] Salvage existing Windows Installer-enabled content. U – Unmanaged application salvage. Set to U if you want to salvage content that HPCA is not currently managing. M – Managed application salvage. Set to M to salvage content that HPCA 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 HPCA. 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 HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Service Delete Method HPCA-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. HPCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	Service Initialization Method A fully qualified, user-defined method.		50 M
ZOBJPTCH	Perform Patching [Y/N]	Y	1 V
ZOPENERR	Client Method on File Open Error HPCA-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
ZRSCMEM	PDS Member Name		8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V
ZRSCNAME	Resource Name Name or description of resource.	&ZRSCCFIL	30 V
ZRSCOBJN	Persistent Object Name		8 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	Create Sequence Priority Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 =Highest priority 10 =Default value 99 =Lowest priority	50	2 V
ZRSCRASH	DOS File Attribute [R/A/S/H]	N	4 V
ZRSCRSTR	Restart [Y/N]		3 V
ZRSCSIG	File Signature		32 V
ZRSCSIZE	Resource Size Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, that is Publisher		20 V

ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E (exist) flag apply to both HPCA- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before, Or, the file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>		8 V
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	<p>Note that for the file to be verified during subsequent connects, you must also set this variable to Y.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only. V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZUPDATE	Service Update Method		50 M
ZVERIFY	Service Verify Method		50 M

Panel Services (PANEL) Class


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

Table 22 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 – <i>for future use.</i>	_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 HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Behavior HPCA-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. HPCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	Resource Initialization Method HPCA-supplied method or fully qualified, user-defined method.		50 M
ZOPENERR	Client Method on File Open Error HPCA-supplied method or fully qualified, user-defined method.	RADLKM	50 M

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

ZRSCPRI	<p>Create Sequence Priority</p> <p>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.</p> <p>01 = Highest priority 10 = Default value 99 = Lowest priority</p>		2 V
ZRSCRASH	<p>DOS File Attribute</p> <p>Enables you to specify file attributes for a resource.</p> <p>Read-only Archive System and/or Hidden</p>		4 V
ZRSCRSTR	<p>Restart [Y/N]</p> <p>You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).</p>	N	3 V
ZRSCSIZE	<p>Panel Size</p> <p>Byte count of resource file from promote process.</p>		11 V
ZRSCSRC	<p>Resource Source, that is Publisher</p>		20 V
ZRSCSRC	<p>Resource Source</p>		1 V
ZRSCSTYP	<p>Server File Type [BINARY/TEXT]</p> <p>File format for file download: Binary, Text, or Object.</p>	BINARY	8 V
ZRSCSVRB	<p>Version Skip Rebuild Flag [Y/N]</p> <p>Enables you to skip the reactivation of version resources if the version is already active.</p> <p>Y = Skip the rebuilding of version resources. N = Rebuild version resources.</p>	Y	1 V
ZRSCTIME	<p>Panel Time Stamp</p> <p>Time stamp on resource file from promote process.</p>		8 V
ZRSCVERS	<p>Resource Version - From Promote</p> <p>Version number of resource from promotion process.</p>		12 V

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E (exist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>	Y	1 V
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	<p>Note that for the file to be verified during subsequent connects, you must also set this variable to Y.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only. Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZUPDATE	<p>Client Instance Update Method</p> <p>If an object (resource instance) has been updated by an administrator, this method will be executed.</p>		50 M
ZUSERID	<p>Admin ID</p>		30 V

Path (PATH) Class


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

Table 23 PATH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DIR	<p>Directory</p> <p>Stores the directory name where the application is installed. The directory name could be selected by the administrator, or it could be selected by the client during the dialog sessions that precede an application install. The value can be substituted from an agent object, or it can be a fully qualified name.</p>		255 V
DRIVE	<p>Drive</p> <p>Stores the drive where the application would be installed.</p> <p>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.</p> <p>The value can be substituted from an agent object, or it can be a valid drive name on the Agent machine.</p>		20 V
NAME	Friendly Name		255 V
OBJGUID	<p>Instance GUID</p> <p>Object Global Unique Identification – <i>for future use.</i></p>	_UNDEF_	32 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V
ZRSCPRI	<p>Priority</p> <p>Stores the Create priority. The path object should be one of the first objects built on the Agent during an application installation so that all other files, desktop instances, can refer to it. The lower priority instances, or classes, are installed first.</p> <p>Numeric value between 1 and 99.</p>	5	2 V

Registry Resources (REGISTRY) Class


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

Table 24 REGISTRY Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
DELENUM	Delete Device Key under Enum\Root When set to Y, will delete the device key under ENUM which otherwise will not be deleted due to the appearance of two new values after reboot; values that are not managed by Client Automation. For example, [hkey_local_machine\system\currentcontrolset\enum\root\legacy_bEEP\0000\control] key will be deleted when delenum=y. This prevents "new hardware found" pop up panels when the service is deleted.	N	1 V
DELNTSCM	Delete SCM Keys/Values [Y/N]	Y	2 V
DEPTH	Registry Depth	&(ZCURRENT.ZCURDEPT)	20 V
ENUMPROC	Process Control Key under Enum\Root	N	1 V
LOCATION	Location		255 V
NAME	Friendly Name		80 V
OBJGUID	Instance GUID Object Global Unique Identification – <i>for future use.</i>	<u>_UNDEF_</u>	32 V

SIGTYPE	File Signature Type		3 V
ZCMPKEY	Compression Key		80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.	RADREG32	50 M
ZDELETE	Method to De-install Resource HPCA-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. HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V

ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMO	Mandatory/Optional [M/O]		1 V
ZRSCNAME	Resource Name Name or description of resource.	&ZRSCFIL	30 V
ZRSCPADM	Admin ID		30 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCRSTR	Restart [Y/N]	N	1 V
ZRSCSIG	File Signature		32 v
ZRSCSIZE	Resource Size – From Promote Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, that is Publisher		20 V
ZRSCSTYP	File Type [BINARY/TEXT/EDMFILE]	EDMFILE	8 V
ZRSCTIME	Resource Time Stamp – From Promote 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	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E (exist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before. Or, The file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS . EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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).</p>	U	1 V
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	<p>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.</p> <p>U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method		50 M


Replace Application (REPLACE) Class

File:	PRIMARY
Domain:	SECURITY
Class:	REPLACE

Table 25 REPLACE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly Name		50 V
REPLACE1 Thru REPLACE9	Replace Service Name	_UNDEF_	32 V
REPOPT	Replace Action [DELETE/YIELD/COEXIST]	DELETE	8 V
ZSTOP000	Stop Expression		100 E

Scheduling (TIMER) Class

File:	PRIMARY	Description:	Use the TIMER Class to schedule service deployments. For more information, see <i>HP Client Automation Administrator Installation and User Guide</i> .
Domain:	SECURITY		
Class:	TIMER		
Icon:		Can connect to:	

TIMER Class Attribute Reference

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

NAME	Friendly Name		80 V
NETAVAIL	Check Network Availability [Y/N/W] Checks for network availability before executing the command		1 V
OBJGUID	Instance GUID Object Global Unique Identification – <i>for future use.</i>	_UNDEF_	32 V
PINGCNT	Number of Ping Attempts This attribute sets the number of ping attempts to be made by the Configuration Server.	3	2 V
PINGDLAY	Time between Pings (in msec) This attribute sets the amount of time between pings in msec.	2000	6 V
REQUEST	Application Request	"Apply Updates"	32 V
RUNSYNC	Synchronous Timer Execution [Y/N] This attribute sets the value of Yes or No for the synchronous timer execution. The default value is Yes.	Y	1 V
SOCKET	Server Socket Number	&(ZMASTER.ZDSTSOCK)	32 V
ZCHNNAME	Channel [DOMAIN] Name	&(ZSERVICE.ZOBJDOMN)	32 V
ZCREATE	Client Create Method HPCA-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 HPCA-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	<p>Stop RCS Detection [Y/N]</p> <p>Controls the automatic sensing of a network connection between the agent computer and the Configuration Server.</p> <p>An expired time will continually evaluate whether communications with the Configuration Server can be established. When communications are established, the command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again.</p> <p>This attribute is especially useful for mobile users.</p> <p>Note: In order to use this attribute, you must add it to the TIMER Class template.</p>	Y	1 V
ZOBJPRI	<p>Priority [00-99]</p> <p>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.</p>	90	2 V
ZPRVNAME	<p>Provider (Manager) Name</p>	&(ZSERVICE.ZMGRNAME)	32 V
ZRSCCMDL	<p>Command Line to Execute</p> <p>This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.</p>	radskman req=	255 V
ZSCHDEF	<p>Time Parameter</p> <p>Indicates when the timer expires. The syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.</p>		50 V
ZSCHFREQ	<p>Frequency [PERIODIC/ONCE/RANDOM]</p> <p>Use this attribute to specify how often the timer should expire.</p> <p>ONCE = expire one time. PERIODIC = expire repeatedly. RANDOM = expire in random intervals.</p>	PERIODIC	10 V

ZSCHMODE	<p>Timer Owner [MANAGER/DEFAULT]</p> <p>This attribute specifies the timer owner. It is recommended that you leave the default configuration of USER.</p>	DEFAULT	32 V
ZSCHTYPE	<p>Type [IMMEDIATE/DEFERRED]</p> <p>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.</p> <p>Example 1:</p> <p>Suppose you create and deploy a timer with the ZSCHDEF = DAILY(&ZSYSDATE,4:00:00)</p> <p>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</p> <p>If ZSCHTYPE = DEFERRED and it is: Before 4:00:00, the command in the instance will be executed the <i>next</i> day at 4:00:00 After 4:00:00, the command in the instance will be executed the <i>next</i> day at 4:00:00</p> <p>Example 2:</p> <p>Suppose you create and deploy a timer with the ZSCHDEF = WEEKDAY(FRIDAY,4:00:00)</p> <p>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</p> <p>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</p>	DEFERRED	10 V

ZSTOP	Stop Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
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.Z OBJID)	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. When you publish native UNIX software with Native Packaging, the depot containing native software in compressed format is promoted to the SD Class, similar to the UNIXFILE Class. Refer to the <i>HP Client Automation Batch Publisher Installation and Configuration Guide</i> for more information.
Domain:	SECURITY		
Class:	SD		
Icon:	 SD	Can connect to:	

Table 26 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	Exerequisites		255 V
FILEMD5	File MD5 Signature	_UNDEF_	32 V
INSTOPTS	Package Install Options		60 V
LOCATION	Location		255 V
NAME	Friendly Name	Defaults	80 V
OBJGUID	Instance GUID Object Global Unique Identification – <i>for future use.</i>	_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 (<code>sd.tcl</code> or <code>svr4.tcl</code>) 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 (<code>sd.tcl</code> or <code>svr4.tcl</code>) 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. HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	File Group Name		32 V
ZPERUID	File Owner Name		32 V
ZREPAIR	Resource Repair Method Uses method "Harness" call. The client side script (<code>sd.tcl</code> or <code>svr4.tcl</code>) contains a native command call to repair installed software (reinstall).	hide nvdkit method	60 M
ZRSCCFIL	SD Depot File Name Specifies path to the file that is included in this instance. The file contains HP-UX or Solaris software.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V

ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 M
ZRSCNAME	SD Product Spec Specifies a string that is used by native methods to identify software contained in the published depot. This is the complete software spec on HP-UX (tag, version, architecture and vendor) and the SVR4 package name on Solaris.	_BASE_ INSTANCE_	255 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	Create Sequence Priority Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 = Highest priority 10 = Default value 99 = Lowest priority	50	2 V
ZRSCRASH	File Permissions		4 V
ZRSCRSTR	Restart [Y/N]	Y	3 V
ZRSCSIZE	Resource Size - From Promote Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before, Or, the file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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. over the existing file.</p>	Y	8 V
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	<p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>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.</p> <p>Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZSTATUS	Client Status	999	3 V
ZUPDATE	<p>Client Instance Update Method</p> <p>Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to update software.</p>	hide nvdkit method	60 V
ZVERIFY	<p>Method to Verify Resource</p> <p>Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to verify installed software.</p>	hide nvdkit method	40 M

Solaris Patches (SOLPATCH) Class


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

Table 27 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 – <i>for future use.</i>	_UNDEF_	32 V
OBSOLETE	Obsolete Patches		255 V
PKGS	Patched Packages		255 V
RELYONDB	Verify Error Code? [Y/N]		1 V
REQUIRES	Required Patches		255 V
UNCONINS	Unconditionally Install Patch [Y/N]	N	1 V
ZCMPsize	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V

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

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

SVR4 Packages (SVR4) Class


File:	PRIMARY	Description:	The SVR4 Class applies to the Solaris operating system. When you publish native UNIX software with Native Packaging, the depot containing native software in compressed format is promoted to the SVR4 Class, similar to the UNIXFILE Class. Refer to the <i>HP Client Automation Batch Publisher Installation and Configuration Guide</i> for more information.
Domain:	SECURITY		
Class:	SVR4		
Icon:		Can connect to:	

Table 28 SVR4 Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Connect to Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ADMIN	Admin File Exists? [Y/N]		1 V
ADMINOBJ	Is this admin object? [Y/N]		1 V
AUTOBOOT	Allow automatic reboot [Y/N]		1 V
CMPD5	Compressed File MD5 Signature	_UNDEF_	32 V
CONTENTS	Required Packages Included in Tar		255 V
FILEMD5	File MD5 Signature	_UNDEF_	32 V
INCOMP	Incompatible Packages		255 V
LOCATION	Location		255 V
NAME	Friendly Name		80 V
OBJGUID	Instance GUID: Object Global Unique Identification – for future use.	_UNDEF_	32 V
PKGVER	Package Version		50 V
PKGREV	Package Revision		50 V
PREREQ	Prerequisites Required		255 V
RELYONDB	Verify Error Code? [Y/N]		1 V
RESPFILE	Response File Path		80 V
RESPOBJ	Is this response object? [Y/N]	N	1 V
REVERSE	Reverse Dependency Packages		255 V

RESPONSE	Response file exist? [Y/N]	N	1 V
ZCMPsize	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	Method to Install Resource Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to install software.	hide nvdkit method	60 V
ZDELETE	Method to De-install Resource Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to remove software. Note: On HP-UX, when a native software application is removed, the application files are deleted, but the directory structure will remain.	hide nvdkit method	50 M
ZFILEUPD	Client File Update/Add Method If a file has been updated by an administrator, this method will be executed. HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	File Group Name		32 V
ZPERUID	File Owner Name		32 V
ZREPAIR	Method to Repair Resource Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to repair installed software (reinstall).	hide nvdkit method	60 M
ZRSCCFIL	SVR4 Depot File Name Specifies path to the file that is included in this instance. The file contains Solaris software.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V

ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 M
ZRSCNAME	SVR4 Package Tag Specifies a string that is used by native methods to identify software contained in the published depot. This is SVR4 package name.	_BASE_ INSTANCE_	255 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	Create Sequence Priority Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 =Highest priority 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
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ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA -managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before, Or, the file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>	Y	8 V
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	<p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZSTATUS	Client Status	999	3 V
ZUPDATE	<p>Client Instance Update Method</p> <p>Uses method "Harness" call. The agent side script (sd.tcl or svr4.tcl) contains a native command call to update software.</p>	hide nvdkit method	60 V
ZVERIFY	<p>Method to Verify Resource</p> <p>Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to verify installed software.</p>	hide nvdkit method	40 M

TPM Configuration (TPMCFG) Class

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

Table 29 TPMCFG Class Attribute Reference

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

Unix File Resources (UNIXFILE) Class


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

Table 30 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 – <i>for future use.</i>	_UNDEF_	32 V
SIGTYPE	File Signature Type		3 V
ZCMPKEY	Compression Key		80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Resource HPCA-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. HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	File Group Name		32 V
ZPERUID	File Owner Name		32 V
ZREPAIR	Client Instance Repair Method		50 V
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V
ZRSCNAME	Resource Name Name or description of resource.	&ZRSCCFIL	30 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	Create Sequence Priority Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 = Highest priority 10 = Default value 99 = Lowest priority	50	2 V
ZRSCRASH	File Permissions		4 V

ZRSCRSTR	Restart [Y/N/R] Y to restart. Set to R to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	Y	3 V
ZRSCSIG	File Signature		32 V
ZRSCSIZE	Resource Size - From Promote Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp - From Promote Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both HPCA- and non-HPCA distributed files. (For example, a HPCA -managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before, Or, the file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>	Y	8 V
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	<p>U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method		50 M

Version Groups (VGROUP) Class


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

Table 31 VGROUP Class Attribute Reference

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

STATUS	Status of current version – 000 Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by the Agent.		3 V
TIMERCON	Timer for next Version Activation If you specify a "next version to activate," the CSDB Editor automatically creates a timer and stores the connection to that timer in this attribute.		50 C
VERCON01 to VERCON05	Version Connection Connects to each version in the version group. Each 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 CSDB Editor to set this attribute.		255 E

Versions (VERSION) Class


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

Table 32 VERSION Class Attribute Reference

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

WTS App Comp Scripts (WTSACS) Class


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

Table 33 WTSACS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BDELETE	Method Before Delete		50 M
LOCATION	Location	&(ZMASTER.ZLIBDRV) &(ZMASTER.ZLIBDRV)	255 V
NAME	Friendly Name	Defaults	80 V

TYPE	Install, Logon, Uninstall (I/L/U)		1 V
ZCMPSIZE	Compressed File Size		11 V
ZCREATE	Method to Install Resource		50 M
ZDELETE	Method to De-install Resource	RADREMF	50 M
ZRSCCFIL	Resource File Name		255 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp - From Promote		8 V
ZRSCNAME	Resource Name	&ZRSCCFIL	30 V
ZRSCPRI	Create Sequence Priority	50	2 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCSIZE	Resource Size - From Promote		11 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSTIME	Resource Time Stamp - From Promote		8 V
ZRSCVRFY	Verify Resource Files on Connect	Y	8 V
ZSTOP000	Stop Expression	/ (EDMGETV(ZCONFIG.W TSSRVR='Y'))	50 E

WTS Control (WTSCtrl) Class


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

Table 34 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

10 The SOFTWARE Domain

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

Alert/Defer (ALERTDEF) Class


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

Table 35 ALERTDEF Class Attribute Reference

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

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

Application (ZSERVICE) Class


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

Table 36 ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Contains Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
<u>_ALWAYS_</u>	Contains An <u>_ALWAYS_</u> class connection is always resolved. An Includes connection is used to express inter-package relationships.		50 I
<u>_ALWAYS_</u>	Utility Resolution Method Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD.PUT_ZERROR_HIST.		51 M
ADAPTIVE	Auto Adaptability [Y/N] Indicates whether the installed package is dependent on client settings that must be monitored periodically. If the settings change, the client must reconnect to the Configuration Server to get new or different components. Useful for plug-and-play services.		1 V
APPTYPE	Application Type		12 V

AUTHOR	Author Name Name of the author of the service that appears in the properties for the service in the Service List.		50 V
BDELETE	Service Pre-Delete Method Method to run before deleting the service.		100 M
BREPAIR	Service Pre-Update Method Method to run before updating the service.		100 M
BUPDATE	Service Pre-Repair Method Method to run before repairing the service.		100 M
CACHE	App Element Caching [Y/N]	N	1 V
CACHELIM	Percent Disk Limit for Cache Cache limit, which is defined as the percentage of used drive space. Type a number between 000 and 100. Note: Used for Windows Installer applications only. If the percentage of used space is greater than the cache limit, then all of the cached files for the product are removed and the cache folder is deleted. 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. HPCA 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	<p>Catalog Group Name</p> <p>Type a name for the catalog to be displayed to subscribers when they click Properties in the Application Self-service Manager user interface.</p>		30 V
COMPSIZE	<p>Application Size – Compressed</p> <p>The size of the compressed application displayed to the subscribers when they click Properties in the Application Self-service Manager user interface.</p> <p>Cumulative value of the COMPSIZE defined in the PACKAGE Class.</p>		12 V
DELDATE	<p>Delete Date</p> <p>Indicates when the application was removed (in local time) from the agent computer. The Agent manages and maintains this attribute.</p>		32 V
DESCRIPT	<p>Application Description</p> <p>Description of the service that appears in the properties for the service in the Service List.</p> <p>Value is set initially in the Long Description field in the New Application Wizard (used to create a service).</p>		100 V
ERTYPE	<p>Event Reporting Method [O/E/X]</p> <p>Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server.</p> <p>O = Object</p> <p>Currently supports object format only.</p>	O	1 V
EVENTS	<p>Events to Report</p> <p>Indicates which events to report on.</p> <p>Event to report on:</p> <p>AI = Application Install AD = Application De-install AU = Application Update AR = Application Repair AV = Application Verify VA = Version Activation VD = Version Deactivation</p> <p>What (about the event) to report on:</p> <p>S = Success F = Failure B = Both Success and Failure N = None</p>	AI=B AD=B AU=B AR=B AV=F VA=B VD=B	50 V

INSTDATE	Installed Date Indicates when the application was installed (in local time) on the agent computer. The Agent manages and maintains this attribute. The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
ITEMS	Number of Component Instances 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
MCELIBL	Service Multicast Eligible [Y/N] Indicates if the application is eligible for multi-casting.	Y	1 V
NAME	Friendly Name Friendly name for the service. This appears in the properties for the service in the Service List.		80 V
OWNER	Application Contact Package owner, as documented by the Admin Publisher.		50 V
PRICE	Price Type the price of an application to be displayed to subscribers when they click Properties in the Application Self-service Manager user interface.		10 V
PUBDATE	Published Date of Service Date service was published.		32 V

REBOOT	<p>Install/Update/Delete/Version Change Used to restart the agent computer after the service is installed.</p> <p>Event to report on: AI = Install AD = Deinstall AU = Update AR = Repair AV = Verify</p> <p>Type of reboot: S = Soft Boot (Default of type Y panel.) H = Hard Boot (Default of type A panel.) N = None</p> <p>Type of panel: Q = No panel. A = OK button only. Y = OK and Cancel button.</p> <p>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.</p>		64 V
RECONFIG	<p>Reconfiguration Enabled [Y/N] Indicates whether an application can be relocated after it has been installed.</p>		1 V
REMOVAL	<p>Un-Managed Behavior [A/D/U] Controls removal of the service.</p> <p>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)</p> <p>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)</p>	D	1 V

RSTRSIZE	Download Restart Threshold (in bytes) Use the RSTRSIZE attribute in the appropriate ZSERVICE Class instance to control which files are enabled for check point restart based on the amount of data being downloaded (in bytes). This is for Windows Installer-Enabled Applications (MSI)	0	11 V
RUNDLG	Dialog Processing [Y/N] Specifies whether to enable processing of dialog boxes during the installation of the service.	N	1 V
RUNLEVEL	Runlevel Support for UNIX.		1 V
SCHEDOK	Update Schedule Locally [Y/N] Specifies whether the subscribers are allowed to change the update schedule for the service locally. Y = Subscriber is allowed to change the schedule. N = Configuration Server controls the update schedule.		1 V
SIZE	Application Size – Uncompressed The size of the uncompressed application displayed to the subscribers when they click Properties in the Application Self-service Manager user interface.		12 V
THROTYPE	[ADAPTIVE/RESERVED/NONE/] Type of Bandwidth throttling to use. Set to ADAPTIVE to yield to other services that are using the network. Set to RESERVED to allow for a specific reservation of the bandwidth. It is the maximum percentage of network bandwidth to use. Set to NONE for no bandwidth throttling, and use the maximum available bandwidth. NONE is the default.		8 V
UIOPTION	Progress Indicator [NONE/FULL/INFO] Controls whether the status window appears. NONE = No interface appears. FULL = Interface appears and Cancel button is available. INFO = Interface appears with no option to cancel.		4 V

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

ZAVIS	<p>Available, Verified, Installed, Sync F</p> <p>The Agent manages and maintains this attribute to show the different states of the application in the Service List.</p> <p>Y = Yes N = No X = Unknown</p> <p>The four states are:</p> <p>Available indicates whether a service is available from the Configuration Server.</p> <p>Verified indicates whether a service has been verified.</p> <p>Installed indicates whether the service has been installed.</p> <p>Synchronized indicates whether the installed service has all of the latest changes from the Configuration Server.</p>	YXNX	4 V
ZBITARCH	<p>Target Bit Architecture [/32/64]</p> <p>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.</p>		8 V
ZBWAPCT	<p>Adaptive Percentage</p> <p>Adaptive minimum percentage of bandwidth used when using bandwidth throttling.</p>		3 V
ZBWPCT	<p>Reserved Percentage</p> <p>Reserved maximum percentage bandwidth used when using bandwidth throttling.</p>		3 V
ZCONTEXT	<p>Component Context [M/U]</p>		8 V
ZCREATE	<p>Service Installation Method</p> <p>HPCA-supplied method or fully qualified, user-defined method.</p>		100 M
ZDELETE	<p>Service Delete Method</p> <p>HPCA-supplied method or fully qualified, user-defined method.</p>		100 M
ZDISCONN	<p>Disconnect on Install [Y/N]</p> <p>Allows the client to disconnect from the Configuration Server if there is an open session with the Configuration Server.</p> <p>Y = Disconnects the client from the Configuration Server. N = Does not disconnect from the client from the Configuration Server.</p>	Y	1 V
ZINIT	<p>Service Initialization Method</p> <p>A fully qualified, user-defined method.</p>		100 M

ZREPAIR	Service Repair Method Name of the method to repair the service.		100 M
ZSTOP000 to ZSTOP002	Stop Resolution Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		100 E
ZSTOP999	Stop Unless Radia Connect	"\ (UPPER(ED MGETV(ZMAS TER,ZDOMNA ME))='SOFTWA RE'	50 E
ZSVCCAT	Service Visible in Catalog? [Y/N]		1 V
ZSVCCSTA	Service Status on Client (999) Status code for the service that leads you to the reason why files for a service may not be deployed correctly. 000 = All actions for service completed. 008 = At least one resource had a writer error. 014 = No disk space for at least one resource. 015 = ZDLIMIT exceeded for at least one resource. 024 = A method timed out. 036 = A create method set ZBRC>7. 900 = Not all files were verified. No work done for service.	999	3 V
ZSVCMO	Mandatory/Optional Service [M/O/MO/OM] Indicates whether the service is mandatory or optional on the agent. If you are using Application Manager <i>and</i> Application Self-service Manager, you could also specify mandatory and then optional, MO , or optional then mandatory, OM . The first character indicates how the application will be handled before installation. The second character indicates how the application will be handled after installation.	O	1 V
ZSVCMODE	Application Context [M/U/MU] Specifies whether the service is to be installed in the Machine or User context. M = Machine U = User		2 V

ZSVCNAME	Service Name/Description	Unknown Service	24 V
ZSVCPRI	Service Create Ordering [01-99] Enables you to specify a priority level for this service. If disk space on the agent desktop is not available, services will be downloaded based on the priority level set here. 01 = Highest priority 10 = Default value 99 = Lowest priority		2 V
ZSVCTTYP	Application Target Type [A/S] Indicates which agent will receive this application. A = Application Manager S = Application Self-service Manager		2 V
ZSYSACCT	Install Under System Account [Y/N] 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 HPCA-supplied method or fully qualified, user-defined method.		130 M
ZVERIFY	Service Verify Method		100 M

Application Packages (PACKAGE) Class


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

Table 37 PACKAGE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
<u>_ALWAYS_</u>	Package Includes Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> class connection is always resolved.		50 C
BEHAVIOR	Behavior Includes connection to BEHAVIOR Class instances		255 I
COMPSize	Package Compressed Resource Size Compressed size of package (in bytes).		12 V
DESCRIPT	Application Description Description of the service that appears in the properties for the service in the Service List. Value is set initially in the Long Description field in the New Application Wizard (used to create a service).		255 V
DESKTOP	Desktop Includes connection to DESKTOP Class instances.		255 I
FILE	File Includes connection to FILE Class instances.		255 I
INCLUDES	Package Includes Generic Includes connection.		50 I
ITEMS	Number of Component instances Number of component instances in a package at time of publishing.		7 V
NAME	Friendly Name		80 V
OWNER	Application Contact Package owner, as documented by the Admin Publisher.		80 V
PATH	Path Includes connection to PATH Class instances.		255 I
PKGNAME	Package Name		80 V

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

Auto Run (EXECUTE) Class


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

Table 38 EXECUTE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ARGUMENT	Arguments passed to the program Stores the arguments that have to be passed to the program to be launched.		255 V
EXECPATH	Fully qualified executable name Stores the fully qualified name of the executable to be launched after an application install.		255 V
WORKDIR	Starting Directory Stores the name of the directory/folder from which the executable is started.		255 V
ZCREATE	Create Method Stores the Client Automation method name that is used to create a list of programs that need to be executed after an application is installed.	EXECUTE	50 M
ZDELETE	Delete Method HPCA-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 39 BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Connect to Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
CMPMD5	Compressed File MD5 Signature	_UNDEF_	32 V
FILEMD5	File MD5 Signature	_UNDEF_	32 V
LOCATION	Location		255 V
NAME	Friendly Name Name that appears in the CSDB Editor for this class.		80 V
OBJGUID	Instance GUID Object Global Unique Identification – <i>for future use.</i>	_UNDEF_	32 V
ZCMPKEY	Compression Key Not used.		80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V

ZCREATE	Method to Install Behavior Name of method to install a resource file. HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Behavior HPCA-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. HPCA-supplied method or fully qualified, user-defined method.		50 V
ZINIT	Resource Initialization Method HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZOPENERR	Client Method on File Open Error HPCA-supplied method or a fully qualified, user-defined method.	EDMLKM	50
ZRSCCFIL	Behavior File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit file name.		255 V
ZRSCCKPT	Resource Checkpoint: Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	N	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status Resource status code. 000 = Successfully downloaded 001 = Data can be found in EDMDATA directory 004 = Resource with no data 008 = Could not create the file 009 = No disk space for file (ZRSCMO=O) 010 = ZDLIMIT was exceeded (ZRSCMO=O) 011 = No data in HPCA for resource 014 = No disk space (ZRSCMO=M) 015 = ZDLIMIT was exceeded (ZRSCMO=M) 024 = Time-out waiting for method 036 = A method was set ZBRC>7 999 = No work done for resource	999	3 V

ZRSCDATE	Behavior Date Stamp Date stamp on resource file from promote process. A value up to eight digits long.		8 V
ZRSCMDAT	Manager Stores Data [Y/N]	Y	1 V
ZRSCMEM	PDS Member Name PDS where resource actually resides. PDS name where resource resides in Manager (MVS only).		8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V
ZRSCNAME	Behavior Name Name or description of resource. Valid name of resource to distribute to the Agent.	&ZRSCCFIL	30
ZRSCOBJN	Persistent Object Name The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE.		8 V
ZRSCPRI	Create Sequence Priority Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 =Highest priority 10 =Default value 99 =Lowest priority	10	2 V
ZRSCRASH	DOS File Attribute [R/A/S/H] Enables you to specify file attributes for a resource. Read-only Archive System Hidden.		4 V
ZRSCRSTR	Restart [Y/N] You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	Behavior Size Byte count of resource file from promote process. A value up to 11 digits long.		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSRC	Resource Source		1 V

ZRSCSTYP	Server File Type [BINARY/TEXT] File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N] Enables you to skip the reactivation of version resources if the version is already active. Y = Skip the rebuilding of version resources N = Rebuild version resources	Y	1 V
ZRSCTIME	Behavior Time Stamp Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before, Or, the file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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).</p>	Y	1 V
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	<p>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.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZUPDATE	<p>Client Instance Update Method</p> <p>If an object (resource instance) has been updated by an administrator, this method will be executed.</p>		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 40 METACLAS Class Attribute Reference

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

Desktop (DESKTOP) Class


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

Table 41 DESKTOP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> 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 HPCA-supplied method or fully qualified, user-defined method.	RADCLNK	50 M
ZDELETE	Method to Delete Link HPCA-supplied method or fully qualified, user-defined method.	RADDLNK	50 M
ZINSTALL	Method CLNK Processing [Y/N] Stores if the links/icons have to be installed.		1 V
ZOBJPRI	Priority [09-99]	60	2 V
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZRSCLFIL	Link Path Stores the fully qualified name for the link. The links are usually created in the Windows folder, which might appear in different drives for different users. The Windows system directory is usually stored in the ZMASTER object in ZWINDRV & ZWINDIR variables.. A special variable, \$NTUSER\$, can be used to distinguish between different user directories. This variable is interpreted by the EDMCLNK create method to store the value of the current user.		255 V
ZRSCMO	Mandatory/Optional [M/O]	o	1 V
ZSTATUS	Client Status	999	3 V
ZW95ARGS	Command Line Parameters Stores the arguments to be passed to the executable specified in the ZW95PATH field.		255 V
ZW95DESC	Icon Description A brief description for the icon/link.		60 V
ZW95HOTK	Hot Key Assigned by MS Windows		12 V
ZW95ICON	Icon File		128 V
ZW95INDX	Index of Icon		60 V

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

Dialog Services (DIALOG) Class


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

Table 42 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 HPCA when this object is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST.		51 M
AUTHOR	Author Name Name of the author of the dialogs.		50 V
CATALOG	Catalog Name The catalog name for this dialog.	&(CATALOG. CATNAME)	32 V
COMPSIZE	Application Size- Compressed Stores the compressed size of all the dialog components (informational). This value is filled in by the Admin Publisher or packager when the dialogs are stored in the CSDB.		12 V
DESCRIPT	Application Description Description of the dialog that appears in the properties for the service in the Service List. Value is set initially in the Long Description field in the New Application Wizard (used to create a service).		255 V
INSTDATE	Installed Date Stores the date and time when the dialog was installed on the client desktop. This value is set by the HPCA user after a dialog has been installed. It is useful for reporting purposes. (informational). The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
NAME	Friendly Name Stores the dialog name.		80 V
PRICE	Price		10 V
PUBDATE	Published Date of Service Date service was published.		32 V

SCHEMOK	Update Schedule Locally [Y/N] Specifies whether the subscribers are allowed to change the update schedule for the service locally. Y = Subscriber is allowed to change the schedule. N = Configuration Server controls the update schedule.		1 V
SIZE	Application Size - Uncompressed		12 V
UPDDATE	Upgrade Date (Programmatic) Stores the date when the file was updated on the Configuration Server.		12 V
UPGDATE	When Application was Upgraded Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the HPCA user after the dialogs have been installed. This date can be used for reporting purposes. The date is in text form, as in: Jan 28, 1998 16:10:00.		12 V
URL	WEB URL Name Stores the address of a Web page, where additional information is available about this application. http://www.company_name.com		255 V
VENDOR	Vendor Name		24 V
VERDATE	Verified Date of Service		32 V

ZAVIS	<p>Available, Verified, Installed, Sync F</p> <p>The Agent manages and maintains this attribute to show the different states of the application in the Service List.</p> <p>Y = Yes N = No X = Unknown</p> <p>The four states are:</p> <p>Available indicates whether a service is available from the Configuration Server.</p> <p>Verified indicates whether a service has been verified.</p> <p>Installed indicates whether the service has been installed.</p> <p>Synchronized indicates whether the installed service has all of the latest changes from the Configuration Server.</p>	YXNX	4 V
ZCREATE	<p>Service Installation Method</p> <p>HPCA-supplied method or fully qualified, user-defined method.</p>	50 M	
ZDELETE	<p>Service Delete Method</p> <p>HPCA-supplied method or fully qualified, user-defined method.</p>		50 M
ZINIT	<p>Service Initialization Method</p> <p>A fully qualified, user-defined method.</p>		50 M
ZSVCCONF	<p>Confirm Service Install [Y/N]</p> <p>Enables you to confirm the service was downloaded.</p>	N	1 V
ZSVCCSTA	<p>Service Status on Client (999)</p> <p>Service status code.</p> <p>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</p>	999	3 V
ZSVCINST	<p>Service Installation Date/Time</p>		32 V

ZSVCMO	Mandatory/Optional Service [M/O/MO/OM] Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager <i>and</i> Application Self-service Manager, you could also specify mandatory and then optional, MO , or optional then mandatory, OM . The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.	M	1 V
ZSVCNAME	Service Name/Description Name of the service, e.g., VB Calculator.		24 V
ZSVCPRI	Service Create Ordering [01-99] Enables you to specify a priority level for this service. If disk space on the agent desktop is not available, services will be downloaded based on the priority level set here. 01 =Highest priority 10 =Default value 99 =Lowest priority		2 V
ZSVCSEL	Update Force Bypass Remove [U/F/B/R] If ZSVCMO is optional, this attribute can be Update, Force, Remove, or Bypass. Update Force Remove Bypass		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 HPCA-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 43 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 – <i>for future use.</i>	_UNDEF_	32 V
PVERSION	Promote Version	_UNDEF_	30 V
SIGTYPE	File Signature Type		3 V
ZCMPKEY	Compression Key Not used.	_UNDEF_	80 V

ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Resource HPCA-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. HPCA-supplied method or fully qualified, user-defined method		50 M
ZINIT	Resource Initialization Method HPCA-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 HPCA-supplied method or fully qualified, user-defined method.	RADLKM	50 M
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZREPAIR	Client Instance Repair Method		50 M
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	Resource Checkpoint Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V

ZRSCCSTA	Client File Status Resource status code. 000 = Successfully downloaded 001 = Data can be found in EDMDATA directory 004 = Resource with no data 008 = Could not create the file 009 = No disk space for file (ZRSCMO=O) 010 = ZDLIMIT was exceeded (ZRSCMO=O) 011 = No data in HPCA for resource 014 = No disk space (ZRSCMO=M) 015 = ZDLIMIT was exceeded (ZRSCMO=M) 024 = Time-out waiting for method 036 = A method was set ZBRC>7 999 = No work done for resource	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMEM	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. Read-only Archive System and/or Hidden		4 V
ZRSCRSTR	Restart [Y/N/R] Restart a download process at the point it was interrupted (Y), or resend the entire object (No). Set to (R) to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	N	3 V
ZRSCSIG	File Signature		32 V
ZRSCSIZE	Resource Size Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, i.e., Publisher Stores the source of the resource: If resource was retrieved from Configuration Server, the value would be M. If resource existed on the desktop, the value would be E. If resource was retrieved from Stager, value would be S. These values are filled in by the HPCA user during an application installation. When the user uninstalls an application, only the files that were retrieved from the Configuration Server or the Staging Server would be deleted. The files that existed on the desktop prior to an application install would not be deleted.		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT] File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N] Enables you to skip the reactivation of version resources if the version is already active. Y = Skip the rebuilding of version resources N = Rebuild version resources		1 V
ZRSCTIME	Resource Time Stamp Time stamp on resource file from promote process.		8 V

ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V
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ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before. Or, The file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS . EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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).</p>	Y	1 V
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	<p>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.</p> <p>U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be replaced on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZUPDATE	<p>Client Instance Update Method</p> <p>If an object (resource instance) has been updated by an administrator, this method will be executed.</p>		50 M

HTTP Proxy (HTTP) Class


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

Table 44 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
HTTPPROXO	Use Web server if proxy fails	N	1 V
HTTPPROXP	Proxy Server Port	80	4 V
HTTPPROXY	Proxy Server Host		255 V
HTTPVDIR	Web Server Virtual Directory	/RADIADB	255 V
ZPCPROTL	Protocol [HTTP]		4 V
ZSTGOPT	Enable Staging	1	1 V

IBM AIX Packages (AIX) Class


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

Table 45 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 – <i>for future use.</i>	_UNDEF_	32 V
PKGDESC	Package Description		80 V
PREREQ	AIX Package Prerequisites		255 V
RELYONDB	Verify Error Code? [Y/N]		1 V
ZCMPsize	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	Method to Install Resource HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGUID	File Group Name		32 V
ZPERUID	File Owner Name		32 V
ZREPAIR	Method to Repair Resource	hide nvdkit method	60 M
ZRSCCFIL	AIX Package File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N]	Y	1 V
ZRSCCRC	Resource CRC		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp – From Promote		8 V
ZRSCFLEV	Filesets + Levels		255 V
ZRSCFSET	Filesets in the Package		255 V
ZRSCMO	Mandatory/Optional on client [M/O]	M	1 V
ZRSCNAME	AIX Package Name	_BASE_ INSTANCE_	255 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	Create Sequence Priority	50	2 V

ZRSCRASH	File Permissions		4 V
ZRSCRSTR	Restart [Y/N]	Y	3 V
ZRSCSIZE	Resource Size – From Promote		11 V
ZRSCSRC	Resource Source, i.e. Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp – From Promote		8 V
ZRSCVERS	Resource Version – From Promote		12 V
ZRSCVRFY	Verify Resource File on Connect	Y	8 V
ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method	hide nvdkit method	60 M
ZVERIFY	Method to Verify Resource	hide nvdkit method	40 M

Install Options (INSTALL) Class


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

Table 46 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
COMPIC	Components Picture (bmp)	&(WELCPIC)	12 V
COPYRITE	Copyright Text	@Copyright 1998	30 V
EULAPIC	EULA Picture (bmp)	&(WELCPIC)	12 V
EULATEXT	End User License Agreement Text	This software is protected by copyright laws. By accepting, you are agreeing with all terms included in the original program documentation.	200 V
IDIRNAME	Install Directory Name		100 V
IDIRPIC	Install Directory Picture (bmp)	&(WELCPIC)	12

KEYFILE	Search for File Name		12 V
NAME	Friendly Name		80 V
OPTS1SEL	Option 1 Selected [Y/N]	Y	1 V
OPTS1TXT	Option 1 Description		20 V
OPTS2SEL	Option 2 Selected [Y/N]	Y	1 V
OPTS2TXT	Option 2 Description		20 V
OPTS3SEL	Option 3 Selected [Y/N]	Y	1 V
OPTS3TXT	Option 3 Description		20 V
OPTS4SEL	Option 4 Selected [Y/N]	Y	1 V
OPTS4TXT	Option 4 Description		20 V
OPTSPIC	Options Picture (bmp)	&(WELCPIC)	12 V
SCANDRVS	Search Drives		32 V
SHOWCOMP	Show Components [Y/N]	N	1 V
SHOWEULA	Show End User License Agreement [Y/N]	Y	1 V
SHOWIDIR	Show Install Directory [Y/N]	N	1 V
SHOWOPTS	Show Options [Y/N]	N	1 V
SHOWTYPE	Show Install Type [Y/N]	N	1 V
SHOWUINF	Show User Info [Y/N]	N	1 V
SHOWWELC	Show Welcome (N disables all) [Y/N]	Y	1 V
TYPE1BTN	Type 1 Button Caption	Typical	10 V

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

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

Linux RPM Packages (RPM) Class


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

Table 47 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 – <i>for future use.</i>	_UNDEF_	32 V

PKGARCH	RPM Package Architecture		32 V
PKGEPOCH	RPM Package EPOCH		32 V
PKGNAME	RPM Package Name		32 V
PKGREL	RPM Package Release		32 V
PKGSUMM	RPM Package Summary		100 V
PKGVER	RPM Package Version		32 V
RELYONDB	Verify Error Code? [Y/N]		1 V
REQCMDS	Requires Commands		255 V
REQLIBS	Requires Shared Libraries		255 V
REQPKGS	Requires Package		255 V
VERFOPTS	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 HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.	RADLKM	50 M
ZPERGUID	File Group Name		32 V

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

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

Mac Alias (MACALIAS) Class


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

Table 48 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 HPCA-supplied method or fully qualified, user-defined method.	RADCALIS	50 M
ZDELETE	Method to Delete Link HPCA-supplied method or fully qualified, user-defined method.	RADDALIS	50 M
ZINSTALL	Method CLNK Processing [Y/N]		1 V
ZMACCRTR	Macintosh File Creator of Alias		6 V
ZMACSRVR	Server Name of Alias Target		32 V
ZMACTRGT	Alias Target File Path		255 V
ZMACTYPE	Macintosh File Type of Alias		6 V
ZMACZONE	Network Zone of Alias Target		32 V
ZOBJPRI	Priority [00-99]	60	2 V
ZRSCAFIL	Alias Path		255 V
ZRSCMO	Mandatory/Optional [M/O]	0	1 V

Mac File Resources (MACFILE) Class


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

Table 49 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 – <i>for future use.</i>	_UNDEF_	32 V
SIGTYPE	File Signature Type		3 V
ZCMPKEY	Compression Key		80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V

ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Resource HPCA-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. HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	File Group Name		32 V
ZPERUID	File Owner Name		32 V
ZREPAIR	Client Instance Repair Method		50 V
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V

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

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA -managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before. Or, The file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>	Y	8 V
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	<p>Note that for the file to be verified during subsequent connects, you must also set this variable to Y.</p> <p>U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method		50 M

Mobile File Resources (RMMFILE) Class


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

Table 50 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 – <i>for future use.</i>	_UNDEF_	32 V
PVERSION	Promote Version	_UNDEF_	30 V
SIGTYPE	File Signature Type		3 V
UPROIMPT	User Prompt [Y/N]	N	1 V
ZAPPNAME	PDA Application Name		50 V
ZCMPKEY	Compression Key	_UNDEF_	80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	Method to Install Resource HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.	RADLKM	50
ZPDAVERS	PDA Resource Internal Version		20 V
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZREPAIR	Client Instance Repair Method		50 M
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N]	Y	1 V
ZRSCCPADM	Admin ID		30 V
ZRSCCRC	Resource CRC		8 V
ZRSCCSTA	Client file Status	999	3 V
ZRSCDATE	Resource Date Stamp – From Promote		8 V
ZRSCMMEM	PDS Member Name		8 V
ZRSCMO	Mandatory/Optional on Client [M/O]	M	1 V
ZRSCNAME	Resource Name	&ZRSCCFIL	30 V
ZRSCOBJN	Persistent Object Name		8 V
ZRSCPRI	Create Sequence Priority	50	2 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCRSCR	Restart [Y/N]	N	3 V

ZRSCSIG	File Signature		32 V
ZRSCSIZE	Resource Size - From Promote		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp - From Promote		8 V
ZRSCVERS	Resource Version - From Promote		12 V
ZRSCVRFY	Verify Resource File on Connect	Y	8 V
ZUPDATE	Client Instance Update Method		50 M

MSI Basic Resources (MSIBASIC) Class


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

Table 51 MSIBASIC Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Connect To Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
BCREATE	Method Before Install		50 M
BDELETE	Method Before De-Install		50 M
BREPAIR	Method Before Repair		50 M
BUPDATE	Method Before Update		50 M
BVERIFY	Method Before Verify		50 M
FVERSION	File Version	_UNDEF_	30 V
LOCATION	Location		255 V
NAME	Friendly Name		80 V
PRODGUID	MSI Product GUID		50 V
PVERSION	Promote Version	_UNDEF_	30 V
SIGTYPE	File Signature Type		3 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	Method to Install Resource HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZREPAIR	Client Instance Repair Method		50 M
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit file name.		255 V
ZRSCCRC	Resource CRC		8 V
ZRSCCSTA	Client file Status	999	3 V
ZRSCDATE	Resource Date Stamp - From Promote		8 V
ZRSCMO	Mandatory/Optional on Client [M/O]	M	1 V
ZRSCPRI	Create Sequence Priority	50	2 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCRSCR	Restart [Y/N]	N	3 V
ZRSCSIG	File Signature		32 V
ZRSCSIZE	Resource Size - From Promote		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCTIME	Resource Time Stamp - From Promote		8 V

ZRSCVRFY	Verify Resource File on Connect	Y	8 V
ZUPDATE	Client Instance Update Method		50 M
ZVERIFY	Client Instance Verify Method		50 M

MSI Features (MSIFEATS) Class


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

Table 52 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 – <i>for future use.</i>	_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 53 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 54 MSI Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Connect to Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
DATAURL	Administrative Control Point		255 V
LOCATION	Location		255 V
MSIDRIVR	Use Local AIP [Y/N]		1 V
NAME	Friendly Name	Defaults	80 V
OBJGUID	Instance GUID Object Global Unique Identification – for future use.	_UNDEF_	32 V
ORGNAME	Organization Name		100 V
PRODGUID	MSI Product GUID	_UNDEF_	50 V
PRODVER	Product Version	_UNDEF_	10 V
SALVAGE	Salvage Cache Files [U/M/B/N] Salvage existing Windows Installer-enabled content. U – Unmanaged application salvage. Set to U if you want to salvage content that HPCA is not currently managing. M – Managed application salvage. Set to M to salvage content that HPCA 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 HPCA. 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 HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Service Delete Method HPCA-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. HPCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	Service Initialization Method A fully qualified, user-defined method.		50 M
ZOBJPTCH	Perform Patching [Y/N]	Y	1 V
ZOPENERR	Client Method on File Open Error HPCA-supplied method or a fully qualified, user-defined method.	_UNDEF_	50 M
ZPUBVER	Publisher Version		8 V
ZREPAIR	Service Repair Method		50 M
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	Resource Checkpoint		1 V

ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMMEM	PDS Member Name		8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V
ZRSCNAME	Resource Name Name or description of resource.	&ZRSCCFIL	30 V
ZRSCOBJN	Persistent Object Name		8 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	Create Sequence Priority Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 = Highest priority 10 = Default value 99 = Lowest priority	50	2 V
ZRSCRASH	DOS File Attribute [R/A/S/H]	N	4 V
ZRSCRSTR	Restart [Y/N]		3 V
ZRSCSIG	File Signature		32 V
ZRSCSIZE	Resource Size Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, that is Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V

ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V

<p>ZRSCVRFY</p>	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E (exist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA n-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before. Or, The file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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).</p>	<p>8 V</p>
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	<p>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.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZUPDATE	Service Update Method		50 M
ZVERIFY	Service Verify Method		50 M

Panel Services (PANEL) Class


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

Table 55 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 – <i>for future use.</i>	_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 HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Behavior HPCA-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. HPCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	Resource Initialization Method HPCA-supplied method or fully qualified, user-defined method.		50 M
ZOPENERR	Client Method on File Open Error HPCA-supplied method or fully qualified, user-defined method.	RADLKM	50 M
ZRSCCFIL	Panel Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	Resource Checkpoint Not used. Replaced by ZRSCRSTR.		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	N	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status Resource status code. 000 = Successfully downloaded 001 = Data can be found in EDMDATA directory 004 = Resource with no data 008 = Could not create the file 009 = No disk space for file (ZRSCMO=O) 010 = ZDLIMIT was exceeded (ZRSCMO=O) 011 = No data in HPCA for resource 014 = No disk space (ZRSCMO=M) 015 = Time-out waiting for method 036 = A method was set ZBRC>7 999 = No work done for resource	999	3 V
ZRSCDATE	Panel Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMDAT	Manager Stores Data [Y/N]	Y	1 V

ZRSCMEM	PDS Member Name PDS where resource actually resides. PDS name where resource resides in Manager (MVS only).		8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 V
ZRSCNAME	Panel Name Name or description of resource. Valid name of resource to distribute to Agent.	&ZRSCCFIL	30 V
ZRSCOBJN	Persistent Object Name The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE.		8 V
ZRSCPRI	Create Sequence Priority Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 =Highest priority 10 =Default value 99 =Lowest priority		2 V
ZRSCRASH	DOS File Attribute Enables you to specify file attributes for a resource. Read-only Archive System and/or Hidden		4 V
ZRSCRSTR	Restart [Y/N] You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	Panel Size Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, that is Publisher		20 V
ZRSCSRC	Resource Source		1 V
ZRSCSTYP	Server File Type [BINARY/TEXT] File format for file download: Binary, Text, or Object.	BINARY	8 V

ZRSCSVRB	Version Skip Rebuild Flag [Y/N] Enables you to skip the reactivation of version resources if the version is already active. Y = Skip the rebuilding of version resources. N = Rebuild version resources.	Y	1 V
ZRSCTIME	Panel Time Stamp Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E (exist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA -managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the EDMDATA subdirectory to its proper location.</p> <p>Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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).</p>	Y	1 V
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	<p>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.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZUPDATE	<p>Client Instance Update Method</p> <p>If an object (resource instance) has been updated by an administrator, this method will be executed.</p>		50 M
ZUSERID	<p>Admin ID</p>		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 56 PATH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DIR	<p>Directory</p> <p>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.</p> <p>The value can be substituted from an agent object, or it can be a fully qualified name.</p>		255 V
DRIVE	<p>Drive</p> <p>Stores the drive where the application would be installed.</p> <p>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.</p> <p>The value can be substituted from an agent object, or it can be a valid drive name on the Agent machine.</p>		20 V
NAME	<p>Friendly Name</p>		255 V

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

Registry Resources (REGISTRY) Class


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

Table 57 REGISTRY Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>ALWAYS</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>ALWAYS</u> class connection is always resolved.		50 C
DELENUM	Delete Device Key under Enum\Root When set to Y, will delete the device key under ENUM which otherwise will not be deleted due to the appearance of two new values after reboot; values that are not managed by Client Automation. For example, [hkey_local_machine\system\currentcontrolset\enum\root\legacy_bEEP\0000\control] key will be deleted when delenum=y. This prevents "new hardware found" pop up panels when the service is deleted.	N	1 V
DELNTSCM	Delete SCM Keys/Values [Y/N]	Y	2 V
DEPTH	Registry Depth	&(ZCURRENT.ZCURDEPT)	20 V
ENUMPROC	Process Control Key under Enum\Root	N	1 V
LOCATION	Location		255 V
NAME	Friendly Name		80 V
OBJGUID	Instance GUID Object Global Unique Identification – <i>for future use.</i>	<u>UNDEF</u>	32 V

SIGTYPE	File Signature Type		3 V
ZCMPKEY	Compression Key		80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V
ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.	RADREG32	50 M
ZDELETE	Method to De-install Resource HPCA-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. HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPUBVER	Publisher Version	_UNDEF_	8 V
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V

ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMO	Mandatory/Optional [M/O]		1 V
ZRSCNAME	Resource Name Name or description of resource.	&ZRSCFIL	30 V
ZRSCPADM	Admin ID		30 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V
ZRSCRSTR	Restart [Y/N]	N	1 V
ZRSCSIG	File Signature		32 v
ZRSCSIZE	Resource Size - From Promote Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSTYP	File Type [BINARY/TEXT/EDMFILE]	EDMFILE	8 V
ZRSCTIME	Resource Time Stamp - From Promote 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	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E (exist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA -managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before. Or, The file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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).</p>	U	1 V
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	<p>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.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method		50 M

Replace Application (REPLACE) Class

File:	PRIMARY
Domain:	SOFTWARE
Class:	REPLACE

Table 58 REPLACE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly Name		50 V
REPLACE1 Thru REPLACE9	Replace Service Name	_UNDEF_	32 V
REPOPT	Replace Action [DELETE/YIELD/COEXIST]	DELETE	8 V
ZSTOP000	Stop Expression		100 E

Scheduling (TIMER) Class


File:	PRIMARY	Description:	Use the TIMER Class to schedule service deployments. For more information, see <i>HP Client Automation Administrator Installation and User Guide</i> .
Domain:	SOFTWARE		
Class:	TIMER		
Icon:		Can connect to:	

Table 59 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 – <i>for future use.</i>	_UNDEF_	32 V
PINGCNT	Number of Ping Attempts This attribute sets the number of ping attempts to be made by the Configuration Server.	3	2 V
PINGDLAY	Time between Pings (in msec) This attribute sets the amount of time between pings in msec.	2000	6 V
REQUEST	Application Request	"Apply Updates"	32 V
RUNSYNC	Synchronous Timer Execution [Y/N] This attribute sets the value of Yes or No for the synchronous timer execution. The default value is Yes.	Y	1 V
SOCKET	Server Socket Number	&(ZMASTER.ZDSTSOCK)	32 V
ZCHNNAME	Channel [DOMAIN] Name	&(ZSERVICE.ZOBJDOMN)	32 V
ZCREATE	Client Create Method HPCA-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 HPCA-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	<p>Stop RCS Detection [Y/N]</p> <p>Controls the automatic sensing of a network connection between the agent computer and the Configuration Server.</p> <p>An expired time will continually evaluate whether communications with the Configuration Server can be established. When communications are established, the command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again.</p> <p>This attribute is especially useful for mobile users.</p> <p>Note: In order to use this attribute, you must add it to the TIMER Class template.</p>	Y	1 V
ZOBJPRI	<p>Priority [00-99]</p> <p>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.</p>	90	2 V
ZPRVNAME	<p>Provider (Manager) Name</p>	&(ZSERVICE .ZMGRNAME)	32 V
ZRSCCMDL	<p>Command Line to Execute</p> <p>This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.</p>	radskman req=	255 V
ZSCHDEF	<p>Time Parameter</p> <p>Indicates when the timer expires. The syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.</p>		50 V
ZSCHFREQ	<p>Frequency [PERIODIC/ONCE/RANDOM]</p> <p>Use this attribute to specify how often the timer should expire.</p> <p>ONCE = expire one time PERIODIC = expire repeatedly RANDOM = expire in random intervals</p>	PERIODIC	10 V

ZSCHMODE	<p>Timer Owner [MANAGER/DEFAULT] This attribute specifies the timer owner. It is recommended that you leave the default configuration of USER.</p>	DEFAULT	32 V
ZSCHTYPE	<p>Type [IMMEDIATE/DEFERRED] <i>Used only when ZSCHFREQ = PERIODIC.</i> Set ZSCHTYPE to DEFERRED to indicate that the first time an event is attempted to be launched, it will be deferred until the <i>next</i> scheduled time, no matter when the timer instance is evaluated. This was designed to handle the case of a daily 4 AM (non-peak) scheduled event that is sent to the agent computer during the day. If it was not deferred, it would launch during the day instead of "waiting" until the next morning.</p> <p>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 <i>next</i> day at 4:00:00 After 4:00:00, the command in the instance will be executed the <i>next</i> day at 4:00:00</p> <p>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</p>	DEFERRED	10 V

ZSTOP	Stop Expression Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
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.Z OBJID)	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. When you publish native UNIX software with Client Automation Native Packaging, the depot containing native software in compressed format is promoted to the SD Class, similar to the UNIXFILE Class. Refer to the <i>HP Client Automation Batch Publisher Installation and Configuration Guide (Batch Publisher Guide)</i> for more information.
Domain:	SOFTWARE		
Class:	SD		
Icon:	 SD	Can connect to:	

Table 60 SD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	Connect to Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ADDDEPS	Auto-select Dependencies [Y/N]	N	1 V
AUTOBOOT	Allow Automatic Reboot [Y/N] Set to Y in SD Class instance in case you have wrapped SD software that contains reboot file set.	N	1 V
CMPMD5	Compressed File MD5 Signature	_UNDEF_	32 V
CONTENTS	Required Packages Included in Tar		255 V
COREQ	Corequisites Required		255 V
EXREQ	Exrequisites		255 V
FILEMD5	File MD5 Signature	_UNDEF_	32 V
INSTOPTS	Package Install Options		60 V
LOCATION	Location		255 V
NAME	Friendly Name	Defaults	80 V
OBJGUID	Instance GUID Object Global Unique Identification – <i>for future use.</i>	_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. HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	File Group Name		32 V
ZPERUID	File Owner Name		32 V
ZREPAIR	Resource Repair Method Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to repair installed software (reinstall).	hide nvdkit method	60 M
ZRSCCFIL	SD Depot File Name Specifies path to the file that is included in this instance. The file contains HP-UX or Solaris software.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V

ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 M
ZRSCNAME	SD Product Spec Specifies a string that is used by native methods to identify software contained in the published depot. This is the complete software spec on HP-UX (tag, version, architecture, and vendor) and the SVR4 package name on Solaris.	_BASE_ INSTANCE_	255 V
ZRSCPADM	Admin ID		30 V
ZRSCPRI	Create Sequence Priority Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 = Highest priority 10 = Default value 99 = Lowest priority	50	2 V
ZRSCRASH	File Permissions		4 V
ZRSCRSTR	Restart [Y/N]	Y	3 V
ZRSCSIZE	Resource Size - From Promote Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both HPC- and non-HPCA distributed files. (For example, a HPC-managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before. Or, The file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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).</p>	Y	8 V
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	<p>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.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to update software.	hide nvdkit method	60 V
ZVERIFY	Method to Verify Resource Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to verify installed software.	hide nvdkit method	40 M

Solaris Patches (SOLPATCH) Class

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

SOLPATCH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect To Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> 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	<u>_UNDEF_</u>	32 V
CONTENTS	Required Packages Included in Tar		255 V
FILEMD5	File MD5 Signature	<u>_UNDEF_</u>	32 V
INCOMPS	Incompatible Patches		255 V
LOCATION	Location		255 V
NAME	Friendly Name		80 V
OBJGUID	Instance GUID Object Global Unique Identification – <i>for future use.</i>	<u>_UNDEF_</u>	32 V
OBSOLETE	Obsolete Patches		255 V
PKGS	Patched Packages		255 V

RELYONDB	Verify Error Code? [Y/N]		1 V
REQUIRES	Required Patches		255 V
UNCONINS	Unconditionally Install Patch [Y/N]	N	1 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	Method to Install Resource HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGUID	File Group Name		32 V
ZPERUID	File Owner Name		32 V
ZREPAIR	Method to Repair Resource	hide nvdkit method	60 M
ZRSCCFIL	Patch Depot File Name: Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N]	Y	1 V
ZRSCCRC	Resource CRC		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp – From Promote		8 V

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

SVR4 Packages (SVR4) Class


File:	PRIMARY	Description:	The SVR4 Class applies to the Solaris operating system. When you publish native UNIX software with Native Packaging, the depot containing native software in compressed format is promoted to the SVR4 Class, similar to the UNIXFILE Class. Refer to the <i>Batch Publisher Guide</i> for more information.
Domain:	SOFTWARE		
Class:	SVR4		
Icon:	 SVR4	Can connect to:	

Table 61 SVR4 Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> 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	<u>_UNDEF_</u>	32 V
CONTENTS	Required Packages Included in Tar		255 V
FILEMD5	File MD5 Signature	<u>_UNDEF_</u>	32 V
INCOMP	Incompatible Packages		255 V
LOCATION	Location		255 V
NAME	Friendly Name		80 V

OBJGUID	Instance GUID: Object Global Unique Identification – <i>for future use.</i>	_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. HPCA-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 HPCA-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 (<code>sd.tcl</code> or <code>svr4.tcl</code>) contains a native command call to repair installed software (reinstall).	hide nvdkit method	60 M
ZRSCCFIL	SVR4 Depot File Name Specifies path to the file that is included in this instance. The file contains Solaris software.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V
ZRSCMO	Mandatory/Optional [M/O]	M	1 M
ZRSCNAME	SVR4 Package Tag Specifies a string that is used by native methods to identify software contained in the published depot. This is SVR4 package name.	_BASE_ INSTANCE_	255 V
ZRSCPADM	Admin ID		30 V

ZRSCPRI	Create Sequence Priority Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. 01 = Highest priority 10 = Default value 99 = Lowest priority	50	2 V
ZRSCRASH	File Permissions		4 V
ZRSCRSTR	Restart [Y/N]	Y	3 V
ZRSCSIZE	Resource Size – From Promote Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, i.e., Publisher		20 V
ZRSCSTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCSVRB	Version Skip Rebuild Flag [Y/N]		1 V
ZRSCTIME	Resource Time Stamp – From Promote Time stamp on resource file from promote process.		8 V
ZRSCVERS	Resource Version - From Promote Version number of resource from promotion process.		12 V

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA -managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <p>The file has not been distributed before.</p> <p>The date, time, or size of the file has changed.</p> <p>The file was re-promoted.</p> <p>N = The file will be distributed if:</p> <p>The file has not been distributed before. Or,</p> <p>The file was re-promoted.</p> <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>	Y	8 V
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	<p>Note that for the file to be verified during subsequent connects, you must also set this variable to Y.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZSTATUS	Client Status	999	3 V
ZUPDATE	<p>Client Instance Update Method</p> <p>Uses method "Harness" call. The agent side script (sd.tcl or svr4.tcl) contains a native command call to update software.</p>	hide nvdkit method	60 V
ZVERIFY	<p>Method to Verify Resource</p> <p>Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to verify installed software.</p>	hide nvdkit method	40 M

TPM Configuration (TPMCFG) Class

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

Table 62 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 63 UNIXFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
<u>_ALWAYS_</u>	Connect to Class connections determine the path of resolution of an agent's desired state. An <u>_ALWAYS_</u> 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 – <i>for future use.</i>	<u>_UNDEF_</u>	32 V
SIGTYPE	File Signature Type		3 V
ZCMPKEY	Compression Key		80 V
ZCMPSIZE	Compressed File Size From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	Component Context		8 V

ZCREATE	Method to Install Resource HPCA-supplied method or fully qualified, user-defined method.		50 M
ZDELETE	Method to De-install Resource HPCA-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. HPCA-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 HPCA-supplied method or a fully qualified, user-defined method.		50 M
ZPERGID	File Group Name		32 V
ZPERUID	File Owner Name		32 V
ZREPAIR	Client Instance Repair Method		50 V
ZRSCCFIL	Resource File Name Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	Resource Checkpoint		1 V
ZRSCCONF	Confirm File Download [Y/N] Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	Resource CRC From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp Date stamp on resource file from promote process.		8 V

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

ZRSCVRFY	<p>Verify Resource File on Connect</p> <p>Verifies the file statistics of a resource file on the desktop during each agent connect process.</p> <p>If you are deploying versioned resources, this attribute is ignored.</p> <p>The rules for the E(xist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA -managed application file or CONFIG.SYS file.)</p> <p>Thus, you must specify Y or N for an existing file to be distributed.</p> <p>Y = The file will be distributed if one or more of the following conditions is met:</p> <ul style="list-style-type: none"> The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. <p>N = The file will be distributed if:</p> <ul style="list-style-type: none"> The file has not been distributed before. Or, The file was re-promoted. <p>E = The file will be distributed only if it does not currently exist on the desktop.</p> <p>M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.</p> <p>S = This file is distributed if the file size has changed.</p> <p>T = The file is distributed if the file time has changed.</p> <p>D = File is distributed if the file date has changed.</p> <p>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.</p>	Y	8 V
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	<p>Note that for the file to be verified during subsequent connects, you must also set this variable to Y.</p> <p>U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.</p> <p>R = Resource Stamp. For internal use only.</p> <p>V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.</p> <p>P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.</p>		
ZSTATUS	Client Status	999	3 V
ZUPDATE	Client Instance Update Method		50 M

Version Groups (VGROUP) Class


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

Table 64 VGROUP Class Attribute Reference

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

REQACTTM	Requested Activation time HH:MM:SS The earliest time, on the date specified by the REQACTDT attribute, after which a version in the 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 Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by the Agent.		8 V
STATUS	Status of current version – 000 Data maintained by the Agent in the VGROUP object on the agent computer. Do not enter a value. This is set by the Agent.		3 V
TIMERCON	Timer for next Version Activation If you specify a "next version to activate," the CSDB Editor automatically creates a timer and stores the connection to that timer in this attribute.		50 C
VERCON01 to VERCON05	Version Connection Connects to each version in the version group. Each 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 CSDB Editor to set this attribute.		255 E

Versions (VERSION) Class


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

Table 65 VERSION Class Attribute Reference

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

WTS App Comp Scripts (WTSACS) Class


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

Table 66 WTSACS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BDELETE	Method Before Delete		50 M
LOCATION	Location	&(ZMASTER.ZLIBDRV)&(ZMASTER.ZLIBDRV)	255 V
NAME	Friendly Name	Defaults	80 V
TYPE	Install, Logon, Uninstall (I/L/U)		1 V
ZCMPsize	Compressed File Size		11 V
ZCREATE	Method to Install Resource		50 M
ZDELETE	Method to De-install Resource	RADREMF	50 M
ZRSCCFIL	Resource File Name		255 V
ZRSCCSTA	Client File Status	999	3 V
ZRSCDATE	Resource Date Stamp – From Promote		8 V
ZRSCNAME	Resource Name	&ZRSCCFIL	30 V
ZRSCPRI	Create Sequence Priority	50	2 V
ZRSCRASH	DOS File Attribute [R/A/S/H]		4 V

ZRSCSIZE	Resource Size – From Promote		11 V
ZRSCTYP	Server File Type [BINARY/TEXT]	BINARY	8 V
ZRSCTIME	Resource Time Stamp – From Promote		8 V
ZRSCVRFY	Verify Resource Files on Connect	Y	8 V
ZSTOP000	Stop Expression	/ (EDMGETV(ZCONFIG.WT SSRVR='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 67 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

11 The SYSTEM Domain

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

Application Manager (ZCOMMAND) Class


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

Table 68 ZCOMMAND Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	Friendly Name		32 V
ZCMDDESC1	Command Description 1		255 V
ZCMDDESC2	Command Description 2		255 V
ZCMDNAME	Command Name		8 V
ZCMDOPTN	Command Option		8 V
ZCMDPATH	Fully Qualified Path for CMD Location of the command.		255 V
ZCMDPRMS	Parameters Passed to the Command		255 V
ZCMDSEP	Separator to Use for the Parameters Separator used for parameters in user-defined commands.		1 V

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

Consoles (ZCONSOLE) Class


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

Table 69 ZCONSOLE Class Attribute Reference

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

DB Version (DBVER) Class


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

Table 70 DBVER Class Attribute Reference

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

LICENSE (LICENSE) Class

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

Table 71 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 72 ZMETHOD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DESCRIPT	Method Description Stores a brief description of the method (informational). Value is set initially in the Long Description field in the New Application Wizard (used to create a service).	Manager Method & ZMTHNAME	70 V
ZMTHDSC1	Method Description 1		255 V
ZMTHDSC2	Method Description 2		255 V
ZMTHMODE	Mode [INTERNAL/EXTERNAL]	EXTERNAL	8 V
ZMTHNAME	Member Name of Method		8 V
ZMTHPRMS	Parameters Passed to Method		80 V
ZMTHSYNC	Synchronization Flag [Y/N]	Y	1 V
ZMTHTYPE	Method Type [REXX/ASM/EXE]		8 V
ZMUSTRUN	Return Code critical to Resolution?	Y	1 V
ZSTOP001	Stop Method		255 E

Radia Intent Class (ZINTENT) Class


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

Table 73 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 74 PROCESS Class Attribute Reference

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

Radia Processes (ZPRODUCT) Class


File:	PRIMARY	Description:	ZPRODUCT further refines resolution by product based on PREFACE.ZDOMNAME (software, OS, PATCH, etc...).
Domain:	SYSTEM		
Class:	ZPRODUCT		
Icon:		Can connect to:	

Table 75 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 76 SQLTABLE Class Attribute Reference

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

SQLTOUT	Time Out (in seconds) Timeout value for the SQL Connect operation.	30	3 V
SQLUSER	User Name		50 V
SRCOBJ	RDM object containing information The name of the Client Automation source object containing the data to be recorded. When recording Client Automation events, this must be APPEVENT.	&(ZCURPCLS)	32 V
VC000 to VC009	Columns 1 to 10 Defines the correspondence between a variable in the Client Automation source object and the column in the back-end database table where it will be stored. One VC nnn value must be specified for each variable-column pair participating in the operation. Each VC nnn variable is coded as follows: VARNAME[,COLUMN_NAME [,U]] VARNAME is the name of the variable in the HPCA 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 HPCA 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 77 ZFILE Class Attribute Reference

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

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