HP Client Automation

Configuration Server

for UNIX® and Windows® operating systems

Software Version: 7.50

Database Reference Guide

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Documentation Updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
  — The number before the period identifies the major release number.
  — The first number after the period identifies the minor release number.
  — The second number after the period represents the minor-minor release number.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

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

http://h20230.www2.hp.com/selfsolve/manuals

This site requires that you register for an HP Passport and sign-in. To register for an HP Passport ID, go to:

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

Or click the **New users - please register** link on the HP Passport login page.

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

Table 1 lists new features added for the HP Client Automation v 7.50 release.

Table 1   New features added for 7.20

Chapter	Version	Changes
All	7.20	HP Configuration Management was renamed to HP Client Automation, for this release. Note that not all components and features have been re-branded.

Chapter	Version	Changes
2	7.50	Added new class attributes:
		ADMIN.ZCONNECT.DRIVEMAP
		ADMIN.ZCONNECT.ROLE
		ADMIN.ZCONNECT.SUBNET
		ADMIN.ZCONNECT.MODEL
		ADMIN.ZCONNECT.MANUFACT
		ADMIN.ZCONNECT.LDS
		ADMIN.ZCONNECT.LME
4	7.50	Added CLIENT.CDFCFG class information.
4	7.50	Added CLIENT.NTFYSEC class information.
8	7.20	Page 203, SECURITY domain added. This domain is similar to the SOFTWARE domain, with the exception of an additional class, Application Control (APPCNTRL).
8	7.50	Changed the following class variables length to 255:
		PRIMARY.SECURITY.ZSERVICE.ZREPAIR
		PRIMARY.SECURITY.ZSERVICE.ZVERIFY
		PRIMARY.SECURITY.ZSERVICE.ZUPDATE
		PRIMARY.SECURITY.ZSERVICE.ZDELETE
		PRIMARY.SECURITY.ZSERVICE.ZCREATE
10	7.50	Changed value of PRIMARY.SYSTEM.DBVER.DBVER to 7.50.000
10	7.50	Added class attribute: PRIMARY.SYSTEM.ZMETHOD.ZSTOP001

Support

You can visit the HP Software support web site at:

www.hp.com/go/hpsoftwaresupport

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

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

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

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

To find more information about access levels, go to:

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

To register for an HP Passport ID, go to:

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

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1 Introduction

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

Why use HP Client Automation?

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

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

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

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

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

- **Deployment Source**
  The location where the application components are stored, such as on an HP Client Automation Proxy Server (Proxy Server) or the HP Client Automation Configuration Server (Configuration Server.

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

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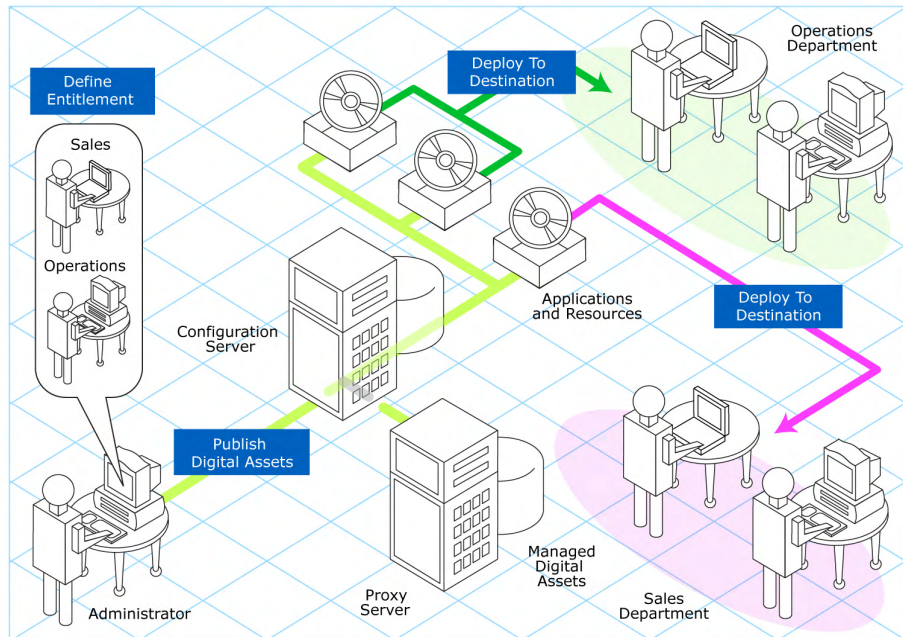
Use HPCA to manage all of these components. You will publish *packages* of data, determine entitlement policy, and define how the packages will be deployed.

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

The Configuration Server Database

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

- The software and data that HPCA distributes.
- The policies determining which subscribers are assigned to which packages.
- Security and access rules for HPCA administrators.

The CSDB is hierarchically structured. It consists of files, domains, classes, instances, and attributes. 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.
Class	A category of the desired state. The class is a template for the attributes needed to create an instance of the class. **Example**: The USER Class of the POLICY Domain defines subscribers of HPCA-managed applications. It defines all of the attributes necessary to identify the agent computer to be managed by HPCA.

Term	Description
Class Instance or Instance	An object containing a specific occurrence of a class. This is analogous to a row in a relational data table, or a record in a traditional flat file. The attributes of a class instance object contain data describing one specific entity of that class. **Example**: A USER instance is an object created from the USER Class, containing the information needed to identify a subscriber's agent computer.
Attribute Attribute Value	An attribute is a data element of a class. The class contains the definition (e.g., the name, data type, description, and length) for each attribute comprising the class. Each class instance created from the class contains a value for each of the attributes defined in the class. **Example**: The NAME attribute of a USER Class contains the name of the subscriber, and the USERID attribute contains the User ID, as specified by the HPCA administrator.

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. Refer to the *HP Client Automation Inventory Manager Installation and Configuration Guide (Inventory Manager Guide)* for more information.

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

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

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

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

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

- The SYSTEM Domain contains administrative and process control definitions.

- Use the SECURITY Domain to configure the services used to collect vulnerability management information from devices in your environment.

Additional Domains

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

- MACHINE (refer to the *HP Client Automation OS Manager Users Guide [OS Manager Guide]*)

- OS, OSKICK, and OSYAST (refer to the *OS Manager Guide*)

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

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

- APPMGMT (refer to the *HP Client Automation Application Management Profiles Guide [Application Management Profiles Guide]*)

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

Additional Files

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

The NOTIFY File contains information about attempts by the Notify function to update, remove or e-mail subscribers. This file appears after the first attempted Notify. For more information about Notify, see the *Application Manager and Application Self-service Manager Guide.*

Class Attributes

Within each of these domains, you will find classes that divide the files into functional categories. Class attributes can be one of four types as described in Table 2 below.

Table 2   Class Attribute Types and their Functions

Attribute Type Icon	Usage
Expression	Contains a single line REXX command that is executed during resolution. In an attribute named ZSTOP, causes resolution of the current instance to terminate, if the expression evaluates to "true".
Variable	A piece of named storage containing a variable value. The variable's value forms a part of the client's resolved desired state, and can influence the resolution process through messaging or symbolic substitution.
Connection (available)	Class connections determine the path of resolution of an agent's desired state during the

Attribute Type Icon	Usage
Connection (set) **Note**: The letter in the icon denotes the connection type: A – Always C – Class I – Includes R – Requires	agent connection process. Available connections are attributes into which a connection to another class may be set. Set connections are attributes containing a specification for a connection to another class. A class connection is, in effect, a branch in the resolution process. Refer to the *HP Client Automation Essentials Guide (Essentials Guide)* or the *HPCA Admin Guide* for more information. • An *Always connection* is always resolved, no matter what the name of its attribute. • A *Class connection* is resolved if its attribute's name is _ALWAYS_, or if the name of its attribute matches the current value of the system message. • An *Includes connection* is always resolved, no matter what the name of its attribute. • A *Requires connection* blocks resolution of instances in the required instance and its children, whose instance names are identical to instance names in the requiring instance and its children. *Requires* and *Includes* connection types are useful, among other uses, for expressing inter-package relationships, connecting instances of the PACKAGE Class. When one package *Requires* another, components of the required package are superceded by the same component in the requiring package. When one package *Includes* another, both are deployed as a single entity.
Method	Methods are programs executed as part of the resolution process. The method attribute identifies the program to be executed.

How to Read the Class Reference Tables

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

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

Table 3   Class attribute reference table columns

Column	Description
Attribute Name	Lists the class attributes. Attributes are not alphabetized; they appear in the order that you will find them in the 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 User Guide (Admin User Guide)*. To read the class reference tables, see the section How to Read the Class Reference Tables on page 20.

Administrator IDs (ADMINID) Class

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

Icon: Can connect to: ZADMIN

Table 4   ADMINID Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**ZADMIN Connect to** Used to connect the ADMINID instance to the ZADMIN instance. &ZADMFUNC must be passed as the message to the ZADMIN Class.		50 C
ADMDPT1 to ADMDPT5	**Department Prefix** Used to restrict access to policy-related class instances by the departments or workgroups assigned to an administrator. Used to control the DEPT, LAN, and PKGR types of administrators.	_NULL_	20 V
ADMNAME	**Administrator Name**		25 V
ADMPFX1 to ADMPFX10	**Application Prefix** Used to restrict access to application-related class instances by the application prefixes assigned to an administrator. Used to control the DEPT, LAN, and PKGR types of administrators.	_NULL_	20 V

Administrator Types (ZADMIN) Class

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

Table 5   ZADMIN Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
CONNECT	**Class Connection Rules** Connect this field to the appropriate ZLIST or ZCONNECT Class instance. It defines the class connection rules you want 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

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

Table 6   ZVERA Class Attribute Reference

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

Class Verify (ZVERC) Class

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

Table 7   ZVERC Class Attribute Reference

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

Connection Rules (ZCONNECT) Class

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

Table 8   ZCONNECT Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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
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

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

Console Privileges (ZCONUSER) Class

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

Table 9   ZCONUSER Class Attribute Reference

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

Console User IDs (CONUSEID) Class

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

Table 10   CONUSEID Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**ZCONUSER Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
CONNAME	**Console User Name**		25 V

Domain Verify (ZVERD) Class

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

Table 11   ZVERD Class Attribute Reference

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

File Verify (ZVERF) Class

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

Table 12   ZVERF Class Attribute Reference

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

Function Verify (ZVERFDCI) Class

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

Table 13   ZVERFDCI Class Attribute Reference

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

Instance Verify (ZVERI) Class

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

Table 14   ZVERI Class Attribute Reference

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

Name Lists (8) (ZLIST) Class

File: PRIMARY   Description: The ZLIST Class allows you to specify 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.

Domain: ADMIN

Class: ZLIST

Icon: Can connect to:

Table 15   ZLIST Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZNAME01 to ZNAME20	**Name** Allows you to enter access controls for 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	Description:		The ZLIST32 Class allows you to specify access to 32-character files and class instances. You can also create instances of the ZLIST32 Class to predefine filters for class instances.
Domain:	ADMIN			
Class:	ZLIST32			
Icon:		Can connect to:		

Table 16   ZLIST32 Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ZNAME001 to ZNAME020	**Instance Name** Allows you to enter access controls for 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 Installation and Configuration Guide* (*Inventory Manager Guide)* for additional information. To read the class reference tables, see the section How to Read the Class Reference Tables on page 20

Application (ZSERVICE) Class

File:	PRIMARY	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.
Domain:	AUDIT		
Class:	ZSERVICE		
Icon:		Can connect to:	PACKAGE, FILE, BEHAVIOR, DIALOG, DEPT, WORKGRP, TIMER, VGROUP, STAGER, HTTP, EXECUTE, ZSERVICE, PDACONFG

Table 17   ZSERVICE Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**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
ADAPTIVE	**Auto Adaptability [Y/N]** Indicates whether the installed package is dependent on client settings that must be monitored periodically. If the settings change, the client must reconnect to the Configuration Server to get new or different components. Useful for "plug and play" services.		1 V
AUTHOR	**Author Name** Name of the author of the service that appears in the properties for the service in the Service List.		50 V
BDELETE	**Service Pre-Delete Method** Method to run before deleting the service.		100 M
BUPDATE	**Service Pre-Update Method** Method to run before updating the service.		100 M
BREPAIR	**Service Pre-Repair Method** Method to run before repairing the service.		100 M
CACHE	**App Element Caching [Y/N]**	N	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
CACHELIM	**Percent Disk Limit for Cache** Cache limit, which is defined as the percentage of used drive space. Type a number between 000 and 100. **Note**: Used for Windows Installer applications only. If the percentage of used space is greater than the cache limit, then all of the cached files for the product are removed and the cache folder is deleted. This is checked after every file is cached on the disk.	000	3 V
CACHELOC	**CACHE Location on Client** *For Windows Installer applications only.* Location of the folder on the agent computer that is used to cache the compressed application files needed for the product. CM support for Windows Installer tags the PRODGUID value to this value to create the folder. For example, if `CACHELOC=C:\progra~1\HP` and `PRODGUID = 12345_XXXX` the cache folder would be: `c:\progra~1\HP\12345_XXXX\cache` **Note:** The folder name `\cache` is automatically appended to PRODGUID. If you are not deploying a Windows Installer-enabled application, the files will be cached in `IDMDATA`.	_UNDEF_	254 V
CATGROUP	**Catalog Group Name** Type a name for the catalog that will be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		30 V

Attribute Name	Explanation	Value of Base Instance	Length Type
COMPSIZE	**Application Size – Compressed** The size of the compressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface. Cumulative value of the COMPSIZE defined in the PACKAGE Class.		12 V
DELDATE	**Delete Date** Indicates when the application was removed (in local time) from the agent computer. The Agent manages and maintains this attribute.		32 V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).		255 V
ERTYPE	**Event Reporting Method [O/E/X]** Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server. Currently supports object format only.	o	1 V
EVENTS	**Events to Report** Indicates which events to report on.	AI=B AD=B AU=B AR=B AV=F VA=B VD=B	50 V

Attribute Name	Explanation	Value of Base Instance	Length Type
INSTDATE	**Installed Date** Indicates when the application was installed (in local time) on the agent computer. The Agent manages and maintains this attribute. The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
ITEMS	**Number of Component Instances**		7 V
LREPAIR	**Local Repair [Y/N]** Enables local repair of broken applications. If an application is broken because of missing files, the files (stored locally) can be used to repair the application.		1 V
MCELIGBL	**Service Multicast Eligible [Y/N]** Indicates if the application is eligible for multi-casting.	Y	1 V
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

Attribute Name	Explanation	Value of Base Instance	Length Type
REBOOT	**Install/Update/Delete/Version Change** Used to restart the agent computer after the service is installed. **Blank** = Restart only if a file being deployed is already in use by an application on the agent computer. **INSTALL,DELETE** = Restart if an application is installed or deleted, or if a file being deployed is already in use. **VERSION CHANGE** = Restart if an application is changing versions, or if a file being deployed is already in use. **UPDATE** = Restart if an application is updated or repaired during the agent connect process, or if a file being deployed is already in use.		64 V
RECONFIG	**Reconfiguration Enabled [Y/N]** Indicates whether an application can be relocated after it has been installed.		1 V
REMOVAL	**Un-Managed Behavior [A/D/U]** Controls removal of the service. **If ZVCMO is set to M, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **If ZVCMO is set to O, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **U** = Unmanage (does not delete the objects or components)	D	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
RSTRSIZE	**Download Restart Threshold (in bytes)**	0	11 V
RUNDLG	**Dialog Processing [Y/N]** Specifies whether to enable processing of dialog boxes during the installation of the service.	N	1 V
SCHEDOK	**Update Schedule Locally [Y/N]** Specifies whether the subscribers are allowed to change the update schedule for the service locally. **Y** = Subscriber is allowed to change the schedule. **N** = Configuration Server controls the update schedule.		1 V
SIZE	**Application Size – Uncompressed** The size of the uncompressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface.		12 V
UIOPTION	**Progress Indicator [NONE/FULL/INFO]** Controls whether the status window appears. **NONE** = No interface appears. **FULL** = Interface appears and **Cancel** button is available. **INFO** = Interface appears with no option to cancel.		4 V
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		12 V

Attribute Name	Explanation	Value of Base Instance	Length Type
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the 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.		32 V
URL	**WEB URL Name** Address of a Web page where the subscriber can find additional information about the service.		255 V
VENDOR	**Vendor Name** Name of the vendor of the service.		24 V
VERDATE	**Verified Date of Service** Indicates when the application was last verified (in local time) on the agent computer. The Agent manages and maintains this attribute.		12 V
VERSION	**Version Description**		255 V
ZAVIS	**Available, Verified, Installed, Sync F** The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: **Available** indicates whether a service is available from the Configuration Server. **Verified** indicates whether a service has been verified. **Installed** indicates whether the service has been installed.	YXNX	4 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	Synchronized indicates whether the installed service has all of the latest changes from the Configuration Server.		
ZBITARCH	**Target Bit Architecture [/32/64]** Set to 32 to deploy to 32-bit architectures. Set to 64 to deploy to 64-bit architectures. Set to blank to deploy to all architectures.		8 V
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 it. **Y** = Disconnects the client from the Configuration Server. **N** = Does not disconnect from the client from the Configuration Server.	Y	1 V
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		100 M
ZREPAIR	**Service Repair Method**		100 M
ZSTOP000 to ZSTOP002	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the		255 E

Attribute Name	Explanation	Value of Base Instance	Length Type
	CSDB Editor to set this attribute.		
ZSTOP999	**Stop Unless Radia Connect**		50 E
ZSVCCAT	**Service Visible in Catalog? [Y/N]**		1 V
ZSVCCSTA	**Service Status on Client (999)** Service status code. **000** = All actions for service completed. **008** = At least one resource had a writer error. **014** = No disk space for at least one resource. **015** = ZDLIMIT exceeded for at least one resource. **024** = A method timed out. **036** = A create method set ZBRC>7. **900** = Not all files were verified. No work done for service.	999	3 V
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the 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

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

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

Audit Packages (PACKAGE) Class

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

Table 18   PACKAGE Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
RELEASE	**Package Release** Release level of the package, as documented by the Admin Publisher.		80 V
REQUIRES	**Required Package Level** Generic Requires connection.		80 C
SIZE	**Package Resource Size** Size of package (in bytes).		12 V
UNIXFILE	**UNIX File** Includes connection to UNIXFILE Class instances.		255 I
ZBITARCH	**Target Bit Architecture [/32/64]** • Set to 32 to deploy to 32-bit architectures. • Set to 64 to deploy to 64-bit architectures. • Set to blank to deploy to all architectures.		8 V
ZSTOP000	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 V
ZSTOP001 to ZSTOP003	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

Behavior Services (BEHAVIOR) Class

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

Table 19   BEHAVIOR Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
CMPMD5	**Compressed File MD5 Signature**	_UNDEF_	32 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
LOCATION	**Location**		255 V
NAME	**Friendly Name** Name that appears in the 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**		11

Attribute Name	Explanation	Value of Base Instance	Length Type
	From promotion process if the compressed file option was selected. The size of the compressed file.		V
ZCREATE	**Method to 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.	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
ZRSCCSTA	**Client File Status**	999	3

Attribute Name	Explanation	Value of Base Instance	Length Type
	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		V
ZRSCDATE	**Behavior Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMDAT	**Mgr. Stores Data [Y/N]**	Y	1 V
ZRSCMMEM	**PDS Member Name** PDS where resource actually resides. PDS name where resource resides in Configuration Server (MVS only).		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Behavior Name** Name or description of resource. Valid name of resource to distribute to the Agent.	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name** 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	10	2 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		
ZRSCRASH	**DOS File Attribute [R/A/S/H]** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem **H**idden.		4 V
ZRSCRSTR	**Restart [Y/N]** You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	**Behavior Size** Byte count of resource file from promote process.		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		8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	process.		
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 does not currently exist on the desktop. **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. **S =** This file is distributed if the file size has changed.	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop.		
	R = Resource Stamp. For internal use only.		
	V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that 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 = (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		

Attribute Name	Explanation	Value of Base Instance	Length Type
	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	Description:	This class is used to configure method points for Tcl inventory scans. The base instance of the SCANNER Class is connected to the CMETHOD.INV_FULL instance. This instance can be used for all inventory scans defined in the SCANNER Class.
Domain:	AUDIT		
Class:	CMETHOD		
Icon:		Can connect to:	RESEARCH

Table 20   CMETHOD Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
NAME	**Friendly Name**	Defaults	80 V
ZCREATE	**Method to Install Resource** 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

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	50 M
ZVERIFY	**Client Instance Verify Method**	Hide nvdkit method	50 M

Desktop (DESKTOP) Class

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

Table 21   DESKTOP Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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
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

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
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"`.		120 V

File (FILE) Class

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

Table 22   FILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ACTION	**Report Flags [I,N,C,D,S,D,C]** RIMDIFF method performs actions on the files discovered on the user's computer during the agent connect. • **Y** configures RIMDIFF to perform the action. • **N** configures RIMDIFF to not perform the action. The first four flags determine *when* to report that the files were found: Report on: **Initial, New, Changed, Deleted** • **Initial** means that the file was found during the first scan of the agent computer. • **New** means that the file was found during the current scan. The file was not	YYYYNNN	7 V

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

Attribute Name	Explanation	Value of Base Instance	Length Type
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
ORGNAME	**Orginal File Name**		32 V
OUTPUT	**Output Object Name**	FILEAUDT	8 V
PRODUCT	**Product Name** See ZVERINFO for more detail.		26 V
PRODVERS	**Version** See ZVERINFO for more detail.		16 V
SCANFOR	**File Name or Pattern to Search for** Indicate a fully qualified path and file name to search for. Wildcard characters are permitted.	C:**.*	80 V
TYPE	**Scan Type [FILE]** Scan different file locations. Available scans are Behavior Services, Desktop, File, Path, Registry, and WBEM.	FILE	8 V
VENDOR	**Vendor**		32 V
VERSION	**Product Version**		16 V
ZCRCINFO	**Collect File CRC (Y/N)**		1 V
ZINIT	**Resource Initialization Method** A fully qualified, user-defined method.		50 M
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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
ZSTOP	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZVERINFO	**Collect Extended Info [1/0]** Collect extended information. Set value to **1** to collect additional	1	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	information for a file.		
	Set value to **0** to not collect additional information.		
	In order for this data to be collected, the associated attribute must exist in the AUDIT.FILE Class template.		
	You can limit the scan to only those files that have some particular values in their extended information. You do so by supplying a value (either 1 or 0) for any of the associated attributes in an AUDIT.FILE instance. This causes the scan to be filtered. Only those files whose extended information data element contains the value you specify in its associated attribute will be scanned.		
	Extended file information consists of one ore more of the following data elements. The associated attribute name for the data element is in parentheses:		
	(VENDOR) – Seller of the file/product. (PRODUCT) – Name of item for which the file is a part. (PRODVERS) – Version of product of which file is a part. (ORGNAME) – Name of the organization. (INTERNAL) – Internal data element encoded in the file. (VERSION) – Version of the file. (LANGUAGE) – Language of the file.		
ZMD5INFO	**Collect MD5 [Y/N]**		1 V

File Scanner (FILESCAN) Class

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

Table 23   FILESCAN Class Attribute Reference

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

File Scanner Filters (FILTER) Class

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

Table 24   FILTER Class Attribute Reference

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

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

Inventory Options (RIMOPTS) Class

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

Domain: AUDIT

Class: RIMOPTS

Icon: Can connect to:

Table 25   RIMOPTS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
COLLECT	**Audit Collection Type [Diff/Full]** Select **Diff** to report difference between the previous information collected for the service and the information collected during the current client audit. This is the default setting. Select **Full** to report the information collected for the service during the current agent connect process without differencing against the previous collection.	Diff	7 V
NAME	**Friendly Name** Name displayed for the instance in the tree view of the CSDB Editor.	Default	80 V

Attribute Name	Explanation	Value of Base Instance	Length Type
RUNEXEC	**Run Execute on [I,V,U]** Indicated what actions the Inventory Manager will take upon connection. **I –** invokes collection of information when the service is installed (default). **U –** invokes collection of information when the service is updated (default). **V –** invokes collection of information when the service is verified.	IU	10 V
ZSVCTYPE	**Service Type** Contains code that is used internally by the Inventory Manager agent. In all cases, this values should remain set to I.	I	1 V

Inventory Scanners (SCANNER) Class

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

Table 26   SCANNER Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.	AUDIT.CMETHOD .INV_FULL	50 C
ACTION	**Report Flags [I, N, C, D, S, D, C]** Report on: Initial, New, Changed, Deleted, Scan, Delete, Custom **Initial** means that the file was found during the first scan of the agent computer. **New** means that the file was found during the current scan. The file was not present during the previous scan. **Changed** means that the file was present during the previous scan and is different from the file found during the current scan. **Deleted** means that the file was found during the previous scan. The file is not present for the current scan.	YYYXXN	7 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	Scan means that the file was found during the current scan. **Delete** means that the file was found during the previous scan. The file is not present for the current scan. **Custom** means that the file was found during a custom scan.		
CLASS	**Class**		50 V
DIFF	**Difference [Y/N]** Specifies if differencing is to be done or not. If DIFF = Y, then the information from the scanned files will be compared with the information from the previous file scan.	Y	1 V
KEYS	**Class Keys**		50 V
NAME	**Friendly Name**		80 V
NAMSPACE	**Name Space**	RADIA	80 V
OUTPUT	**Output Object Prefix**	WBEM	4 V
PARMS	**Parameters**		50 V
SCHEMA	**Schema** [Table is <schema>_<class>]	SITE	16 V
TYPE	**Scan Type**	WBEM	4 V
URL	**Post Audit Data to URL**		80 V7

Path (PATH) Class

File: PRIMARY   Description: This class stores the drive and
                                             directory required to install a resource.
Domain: AUDIT   Packages can be relocated by updating
                                             instances of this class.
Class: PATH

Icon: Can connect to: DESKTOP, FILE, PATH, MSIFEATS,
                                                          MSI, PACKAGE, PDACONFG,
                                                          REGISTRY

Table 27   PATH Class Attribute Reference

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

Registry (REGISTRY) Class

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

Table 28   REGISTRY Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
NAMSPACE	**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	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.
Domain:	AUDIT		
Class:	TIMER		
Icon:		Can connect to:	

Table 29   TIMER Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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
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

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCMDL	**Command Line to Execute** This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.	radskman req=	255 V
ZSCHDEF	**Time Parameter** Indicates when the timer expires. The syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.		50 V
ZSCHFREQ	**Frequency [PERIODIC/ONCE/RANDOM]** This attribute indicates how often the timer should expire according to the frequency specified in the ZSCHDEF attribute. **Once** for a one-time expiration. **Periodic** for a repeated expiration. **Random** for random intervals.	PERIODIC	10 V
ZSCHMODE	**Time Owner [MANAGER/DEFAULT]** This attribute specifies the timer owner. We recommend that you leave the default configuration of USER.	DEFAULT	32 V
ZSCHTYPE	**Type [IMMEDIATE/DEFERRED]** *Used only when ZSCHFREQ = PERIODIC.* Set ZSCHTYPE to DEFERRED to indicate that the first time you attempt to launch an event, it will be deferred until the *next* scheduled time, no matter when the timer instance is evaluated. This will handle a daily 4 AM (non-peak) scheduled event that is sent to the agent computer during the day. If it was not deferred, it would launch during the day instead of "waiting" until the next morning. **Example 1:** If you create and deploy a timer with the	DEFERRED	10 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	ZSCHDEF = DAILY(&ZSYSDATE,4:00:00)		
	If ZSCHTYPE = IMMEDIATE and it is:		
	Before 4:00:00, the command in the instance will be executed the same day at 4:00:00		
	After 4:00:00, the command in the instance will be executed immediately		
	If ZSCHTYPE = DEFERRED and it is:		
	Before 4:00:00, the command in the instance will be executed the *next* day at 4:00:00		
	After 4:00:00, the command in the instance will be executed the *next* day at 4:00:00		
	Example 2:		
	Suppose you create and deploy a timer with the ZSCHDEF = WEEKDAY(FRIDAY,4:00:00)		
	If ZSCHTYPE = IMMEDIATE and it is:		
	Not Friday or Friday and before 4:00:00, the command in the instance will be executed on Friday at 4:00:00		
	Friday and after 4:00:00, the command in the instance will be executed immediately		
	If ZSCHTYPE = DEFERRED and it is:		
	Not Friday or Friday and before 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00		
	Friday and after 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00		
ZSTOP	**Stop Resolution Expression** Use to assign timer conditions. Indicate **true** to cause resolution of the instance to be skipped. The timer is not deployed for end users. Leave *blank* for the instance to be accepted, and resolution will continue.		255 E

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSVCOID	**Service ID** This attribute specifies the object ID of the Application instance that this Scheduling instance is connected to. This value is inherited from the base instance and should not be modified.	&(ZSERVICE .ZOBJID)	80 V
ZUPDATE	**Client Update Method** The Scheduler UPDATE method that runs on the agent computer. This value is inherited from the base instance and should not be changed.	radtimeq	80 M
ZVERIFY	**Client Verify Method**	radtimeq	80 M

UNIX Permissions (UNIXPERM) Class

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

Table 30   UNIXPERM Class Attribute Reference

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

Virtual Mgr Location (MGRVLOC) Class

File: PRIMARY

Domain: AUDIT

Class: MGRVLOC

Icon:

Description: This class is used to specify the initial path for files being transferred to the Configuration Server during a FILE audit.

Can connect to:

Table 31   MGRVLOC Class Attribute Reference

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

WBEM (WBEM) Class

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

Table 32   WBEM Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
	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. The last three flags are not applicable to WBEM audits.		
CLASS	**WBEM Class** The name of the WBEM Class to query or HARDWARE.		50 V
CNDITION	**Query Condition Statement** An optional condition to narrow results of an audit.		255 V
NAME	**Friendly Name** This name will appear in the CSDB Editor's tree view to identify this instance.	Default	80 V
NAMSPACE	**Name Space** The name of the WBEM namespace to query or HARDWARE.	root\cimv2	80 V
OUTPUT	**Output Object Name** This is the name of the object to send to the Configuration Server.	WEBMAUDY	8 V
PROPERTY	**Property Values to Collect** Specify one or more property names to be queried and reported. Use commas to separate more than one property name. If this attribute is blank, all properties in the class will be queried and reported.	*	255 V

Attribute Name	Explanation	Value of Base Instance	Length Type
RPTCLASS	**WBEM Reporting Class**		50 V
TIMEOUT	**Query Timeout (Seconds)**		4 V
TYPE	**Scan Type [WBEM]** Indicates that WBEM scan is to be employed for this audit package.	WEBM	4 V

4 The CLIENT Domain

Use the CLIENT Domain to configure Client Operations Profiles, including setting access points for application data. Refer to the *HP Client Automation Application Manager and Application Self-service Manager Installation and Configuration Guide* for additional information. To read the class reference tables, see the section How to Read the Class Reference Tables on page 20.

Alert Management (RADALERT) Class

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

Domain: CLIENT

Class: RADALERT

Icon: Can connect to:

Table 33   RADLERT Class Attribute Reference

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

Connect Defer Prefer (CDFCFG) Class

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

Table 34   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	50 V
ENABLE	**Enable / Disable CDF [Y/N]**	Y	1 V
NAME	**Friendly Name**		32 V
OS	**Max days since last os conn**		3 V
PATCHMGR	**Max days since last patch conn**		3 V
SOFTWARE	**Max days since last software conn**		3 V

Attribute Name	Explanation	Value of Base Instance	Length Type
TIMEOUT	**Dialog timeout in minutes**	5	3 V

Core Settings (SETTINGS) Class

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

Table 35   SETTINGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ACTMAINT	**Maintenance Activation [I/D]** Set to I to immediately run the 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.	I	
ADINFO	**Query Active Directory Info [Y/N]** Specify Y if you want to collect the agent computer's active directory information. The information is stored in the ADINFO object in the RADSETUP directory. The default location for the RADSETUP directory is *System Drive*:\Program Files \Hewlett-Packard\CM\Lib\RADSETUP. This information will be sent to the Configuration Server for all resolution	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	processes.		
ALWAYSD	**Always Download CFG Objects [Y/N]** Set to **Y** to always download pre-configuration objects. This guarantees that your SAP or persistent objects are downloaded even if nothing has changed. If your SAP client object is corrupted for any reason, then it will be re-downloaded even if the desired state did not change. In addition, if one of the variables is a substitution then you will download the object with the new values since a variable change by substitution does not change the desired state.	Y	1 V
ALWAYSS	**Always Upload CFG Objects [Y/N]** Always upload all objects in the RADSETUP directory. The default location for the RADSETUP directory is *System Drive*:\Program Files\Hewlett-Packard\CM\Lib\RADSETUP.	Y	1 V
BANDWDTH	**Bandwidth Percentage (1-99)** Specify the percentage of bandwidth to use between 1 and 99. If the value is blank or the variable does not exist, then all of the bandwidth will be used.		2 V
CMETHOD	**Post Catalog Script** Specify a script that can run after catalog resolution, but before service processing.		
DEFROLE	**Default SAP ROLE (A,O,S,M,R)** Specify roles for the 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.		

Attribute Name	Explanation	Value of Base Instance	Length Type
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 *System Drive*: \Program Files\Hewlett-Packard\CM.	INITMETH .REX	80 V
EXBEXIT	**Post Connection Script** Specify a script to execute before RADSKMAN ends. If you are doing a customized reboot process, this is where you would specify it. This script must be in the agent computer's IDMSYS directory. The default location is *System Drive*: \Program Files\Hewlett-Packard\CM.		80 V
EXBOUTBX	**Pre Outbox Script** Specify a script that can run after service processing, but before the objects in the outbox are flushed to the Configuration Server.		

Attribute Name	Explanation	Value of Base Instance	Length Type
EXBSETUP	**Pre Config Resolution Script** Specify a script to run before pre-configuration processing. This script must be in the agent computer's IDMSYS directory. The default location is System Drive: \Program Files\Hewlett-Packard\CM.	PRESETUP .REX	80 V
FLUSHU	**User Reporting Option [Y/N/A]** Supports flushing objects for all users during a connect or saving the objects locally for transfer at a later time. **A** All Users **Y** Always flush the outbox (default) **N** Never flush the outbox Sample usage: Specify FLUSHU=N on user connects to build up reporting objects in each user's outbox folder. During a machine connect specify FLUSHU=A to transfer all objects. The default (Y), will always send the current connecting client's reporting objects from the outbox folder.	Y	1 V
LSCRIPT	**Disable Connect on UI Reboot [Y/N]** If you have set a service to perform an immediate reboot and you run RADSKMAN from a login script, set this to **Y** to run RADSKMAN from the login script. If you have set a service to perform an immediate reboot, and you want radskman to be restarted in the User context when a user logs, set this to **N**. In other words, if your users are configured to connect to Configuration Server when they log in, set this to N. If you want to do an immediate reboot with context=u, and you want the user to re-establish connection with the Configuration Server, then set LSCRIPT=Y.	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name** Type the friendly name of the instance.		50 V
NETSPEED	**Speed Check Method** **C =** Detect using ICMP and Link Speed as failsafe (Default - original behavior) C will first try ICMP and fall back to max. **M =** Use the max value of both detect methods. Max will bypass ICMP checking and enumerate the available network connections. Reports the highest speed regardless of loading/latency. **N =** Do not run netspeed checking. (Will not display error). **H =** Perform a high-resolution speed calculation that differentiates between SAPs (for COP) on a network. Uses ICMP.		1 V
NETTTL	**Network Time to Live (0-999)** Controls the maximum number of network segment hops allowed when calculating the speed of network connections. If NETTTL is not available or blank, the default value of 3 is used.		3 V
PUSHBACK	**Push Back (0-999 retries)** Set to 0 to skip a Configuration Server if the Configuration Server pushes back on the agent connect. Set to 1 to 999 for number of retries if the Configuration Server pushes back.	0	1 V
RAD2XUI	**Enable RADUI 2.x** Specify **Y** to view the vintage UI dialogs. Use this if you are not using System Tray or if you want a message to pop up on the screen in addition to the System Tray.		

Attribute Name	Explanation	Value of Base Instance	Length Type
RADTRAY	**Radtray Command Line Arguments** Set command line arguments you want to use for the System Tray. Specify **Y** for the first argument to enable the System Tray, and **N** to disable it. If set to **Y**, you can then specify other parameters separated from the **Y** with a comma. Possible parameters are: **/C =** Show the System Tray in console mode when it starts **/NOCANCEL =** Hide the Cancel button. **/NOPAUSE =** Hide the Pause button. **/D =** Add debug message to the log for troubleshooting. **Example**: **Y, /C /NOPAUSE** enables the System Tray in console mode and does not display the **PAUSE** button.		
RCSDATA	**Download DATA from RCS [Y/N]** After using all of the TYPE = DATA SAPS, if all the needed data has not been downloaded then specify Y to go to SAPs with TYPE = RCS. If you do not want the agent computers to use Configuration Servers, set RCSDATA to N.	Y	1 V
REMUNINS	**Allow Remote Notify Uninstall [Y/N]** Specify **Y** to stops notifies from remote machines from uninstalling a service. This does not stop applications from being un-installed as part of a policy change if a normal agent connect is started from a remote notify. The remove notify string must contain the text req="Un-install."		

Attribute Name	Explanation	Value of Base Instance	Length Type
RSTROPT	**Bandwidth Checkpoint Restart** Use this attribute to determine when a file is eligible for checkpoint restart based on calculated network bandwidth. This will apply to *all* files to be downloaded in this agent connect. Specify eligibility in the format (Below Threshold limit, Network Threshold Value, Above Threshold). Suppose you set RSTROPT to 100 KB, 86 KB, 10 MB. First the client calculates the network bandwidth. One of two scenarios will apply: If the network bandwidth is under 86 KB, the file size is compared to 100 KB. If the file size is over 100 KB, checkpoint restart is enabled for that file. If the network bandwidth is over 86KB, the file size is compared to 10MB. If the file size is over 10MB, checkpoint restart is enabled for that file.		
SAPPING	**Ping all SAP [Y/N]** Set to **Y** if the client should ping all of the SAPs. If EQUISORT is set to S, then you must set SAPPING to Y. A result reflecting the speed of the connection will be returned and stored in the SPEED attribute in the SAPSTATS object	N	1 V
SENDRPT	**Send Reporting Object [I/D]** Set to D to defer sending all reporting objects to Configuration Server at the end of agent connect. Usually, the reporting objects for each service, such as APPEVENT, CLISTATS, and ZSVCSTAT, are sent to the Configuration Server immediately (I) after they are created. This requires multiple disconnects and reconnects to the Configuration Server.	I	

Attribute Name	Explanation	Value of Base Instance	Length Type
THROTYPE	**Throttle [RESERVED/ADAPTIVE/NONE/]** Type of Bandwidth throttling to use. Set to **ADAPTIVE** to yield to other services that are using the network. Set to **RESERVED** to allow for a specific reservation of the bandwidth. It is the maximum percentage of network bandwidth to use. Set to **NONE** for no bandwidth throttling, and use the maximum available bandwidth. **NONE** is the default.		8 V
TIMEOUT	**Communications Timeout (0-3200)s** Specify the timeout in seconds for the Server Access Profile (SAP). This will override the agent timeout (ZMASTER.ZTIMEO) if it contains a valid numeric value. If the value is blank, then the agent will use the existing timeout value on the Agent.		4 V
USEDEFS	**Use Default SAP [Y/N]** If a SAP cannot be found for the needed ROLE, specify Y to default to the Configuration Server set on the command line.		

Attribute Name	Explanation	Value of Base Instance	Length Type
USELSAP	**Use Last SAP [N/Y]** Set this Y to specify that the last SAP used in this agent connect should be the SAP used for all remaining services to be resolved. Use of SAPs with type of DATA is at the service level. If set to N, then the client will go through the SAPs in priority for each service. During an agent connect, if a service has to go to a lower priority SAP to complete the data download, decide if you want the remaining services to continue from this SAP (USELSAP=Y) or go back to the highest priority DATA SAP to search for files for the next service (USELSAP=N) and to continue through the SAP priorities.	Y	1 V
ZGRPINFO	**Query NT User Group Info [Y/N]** Specify Y if you want to collect the agent computer's Windows NT user group information. This information will be reflected in the NTGROUPS object in the RADSETUP directory. The default location for the RADSETUP directory is *SystemDrive*:\Program Files\Hewlett-Packard\CM\Lib\RADSETUP. This information will be sent to the Configuration Server for all resolution processes.	N	1 V

Diagnostics (DIAGS) Class

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

Domain: CLIENT

Class: DIAGS

Icon: Can connect to:

Table 36   DIAGS Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name** Friendly name of the instance.		50 V
RADSTATE	**Command String for RADSTATE** This will run RADSTATE.EXE with the parameters specified in this attribute. The base instance of the DIAGS Class is set to VO, which will run RADSTATE in verbose mode, building the ZRSTATE and ZRSTATES objects. If no parameters are specified, RADSTATE will not run. RADSTATE must exist in the IDMSYS directory. You only need to specify the parameters for RADSTATE, not the RADSTATE executable. Refer to the document on RADSTATE for additional information.	MODE=VO	80 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZTRACE	**Communication Tracing [Y/S/N]** Specify **N** to turns off communication buffer tracing. Tracing is off by default. Specify **S** to provide summary communication buffer information to the client log. This includes number of records read and written and the type of records processed. Specify **Y** to provide full communication buffer information to the client log. All data transmitted and received will be echoed to the client log file **Caution:** Setting ZTRACE = Y may generate very large logs and severely impact client performance. Do not set this unless instructed to do so by technical support.	N	1 V
ZTRACEL	**Trace level (000/040/999)** Specify tracing level. If blank, use existing value. **Caution:** Setting ZTRACEL to a higher number may generate very large logs and severely impact client performance. Do not set this unless instructed to do so by technical support.	040	3 V

Hardware Scan Config (RADHWCFG) Class

File: PRIMARY Description:

Domain: CLIENT

Class: RADHWCFG

Icon: Can connect to:

Table 37 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

Attribute Name	Explanation	Value of Base Instance	Length Type
HDLOCAL	**Local Drives [Y/N]** Specify **Y** to scan for internal hard drives. **ZCONFIG attributes:** ZHDWCDDR, ZHDWD00, ZHDW00C, ZHDWD00F, ZHDWD00S, ZHDW00T, ZHDWD01, ZHDW01C, ZHDWDF_A, ZHDWDLST, ZHDWDNUM	N	1 V
HDREMOTE	**Remote Drives [Y/N]** Specify **Y** to scan for external hard drives. **ZCONFIG attributes:** ZHDW00, ZHDWD00C, ZHDWD00F, ZHDW00S, ZHDW00T, ZHDWDLST, ZHDWDNUM	N	1 V
NETWORK	**Network [Y/N]** Specify **Y** to scan for network information. **ZCONFIG attributes:** GATEWY01, IPADDR01, LADAPT01, NETLOC01, SUBNET01, ZGATEWAY, ZHDWIPAD, ZHDWLANA, ZHDWNET1, ZHDWNNET, ZNETLOC, ZSUBNET	Y	1 V
PERIPHER	**Peripherals [Y/N]** Specify **Y** to scan for peripherals such as keyboard and mouse. **ZCONFIG attributes:** ZHDWKYBD, ZHDWMOUS, ZHDWPPAR, ZHDWPSER, ZHDWVIDO, ZHDWVRES	N	1 V
PRINTER	**Printers [Y/N]** Specify **Y** to scan for printers. **ZCONFIG attributes:** ZHDWPA00, ZHDWPA01, ZHDWPPRN	N	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
HAL_VER	**HAL Statistics [Y/N]** Specify **Y** to scan for the HAL (Hardware Abstraction Layer) version. **ZCONFIG attributes:** HALCOMP, HALDATE, HALFNAME, HALFVER, HALINAME, HALLANG, HALPNAME, HALPVER, HALSIZE	N	1 V
APP_VER	**Application Version [Y/N]** Specify **Y** to scan for versions of MSI (ZHDWVMSI) and IE (ZHDWVIE).	Y	1 V
WMISCAN	**Use WMI to collect data [Y/N]** Specify **Y** to perform the scan using WMI (Windows Management Instrumentation).	Y	1 V
DSCAN00n	**Dynamic Scan 00n** Specify **Y** to use the dynamic scan variable.		1 V

Network Locations (LOCATION) Class

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

Table 38   LOCATION Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name** Type the friendly name of the instance.		50 V
ALWAYS	**Core SETTINGS Class Connection** Specify an instance in the SETTINGS Class.	SETTINGS .DEFAULT _SETTINGS	100 C
ALWAYS	**Diagnostics Class Connection** Specify an instance in the DIAGS Class.	DIAGS .DEFAULT _DIAGS	100 C
ALWAYS	**UI Class Connection** Specify an instance in the RADUICFG Class.		
ALWAYS	**Hardware Class Connection** Specify an instance in the RADHWCFG Class.		
ALWAYS	**Class Connection** Specify an instance in any class to connect to this Location instance.		

Attribute Name	Explanation	Value of Base Instance	Length Type
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	10	3 V
ALWAYS	**Connect to** Specify an SAP instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	20	3 V
ALWAYS	**Connect to** Specify an SAP instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	30	3 V
ALWAYS	**Connect to** Specify an SAP instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	40	3 V
ALWAYS	**Connect to** Specify an SAP instance for the priority entered into SAPPRI above this attribute.		100 A

Attribute Name	Explanation	Value of Base Instance	Length Type
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	50	3 V
ALWAYS	**Connect to** Specify an SAP instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	60	3 V
ALWAYS	**Connect to** Specify an SAP instance for the priority entered into SAPPRI above this attribute.		100 A
SAPPRI	**SAP Priority** Specify the priority of the SAP instance referenced in the _ALWAYS_ class connection below this attribute.	70	3 V
ALWAYS	**Connect to** Specify an SAP instance for the priority entered into SAPPRI above this attribute.		100 A

Notify Security (NTFYSEC) Class

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

Table 39   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]**	Y	1 V
ZVRFYPWD	**Verify Internal Password [Y/N/I]**	N	1 V
ZVRFYUID	**Verify Internal User ID [Y/N/I]**	N	1 V

RSM UI Preferences (RADUICFG) Class

File: PRIMARY   Description:

Domain: CLIENT

Class: RADUICFG

Icon: Can connect to:

Table 40   RADUICFG Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
BNSTATUS	**Display Status [Y/N]** Specify Y to display the Status button on the Side Bar.	Y	1 V
BTNCANCL	**Enable Cancel Button [Y/N]** Specify Y to enable the Cancel button.	Y	1 V
BTNDEL	**Enable Delete Button [Y/N]** Specify Y to enable the Delete button.	Y	1 V
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

Attribute Name	Explanation	Value of Base Instance	Length Type
COLNAMES	**Name of Columns (CSV format)** Specify the columns you want displayed. Separate the columns with a comma.	Size, Version, Vendor	50 V
COLORBAK	**Specify RGB or actual Color Back** Specify color for the interface's background. Check the Microsoft Web site for possible colors.		20 V
COLORBTN	**Specify RGB or actual Color Button** Specify the button colors. Check the Microsoft Web site for possible colors.		20 V
COLORSEL	**Specify RGB or actual Color Select** Specify color for selection areas. Check the Microsoft Web site for possible colors.		20 V
COLORSET	**Colors [SYSTEM/DEFAULT/CUSTOM/USER]** Select SYSTEM to use the operating system colors, DEFAULT to use the 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 colors.		20 V
CUSTIMG	**Custom Image File or RSM Banner** Specify a custom image file or banner. Acceptable file types are JPG/JPEG, GIF, TIF, and BMP. The size limitations in pixels are approximately height of 60 and a width of 250. If no location is specified for the file, the default is IDMLIB (*System Drive*:\Program Files\Novadigm\Lib).		20 V

Attribute Name	Explanation	Value of Base Instance	Length Type
CUSTURL	**Custom URL on RSM Banner** Specify a URL that the agent computer's default Internet browser will open to if the subscriber clicks on the CUSTIMG.		40 V
CUSTTEXT	**Custom Hover Text on RSM Banner** Specify the text to display when the agent computer's mouse hovers over the CUSTOMIMAGE.	Visit Tech Support	20 V
CUSTTTLE	**Custom Title on RSM Banner** Specify the text to display in the Application Self-service Manager title bar.		20 V
COLTYPE	**Columns [Forced/Required]** Set to **Forced** if you want only the columns specified in COLNAMES to appear. Set to **Required** if at least the columns specified in COLNAMES should appear. Name and Status are always displayed.	REQUIRED	10 V
EXPCITEM	**Expand Active Catalog Item [Y/N/U]** Specify U to allow the user to control the expansion of the active catalog item. Specify Y or N to allow or not allow the user to expand the active catalog item.	N	1 V
EXPSITEM	**Expand Active Service item [Y/N/U]** Specify U to allow the user to control the expansion of the active Service List item. Specify Y or N to allow or 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

Attribute Name	Explanation	Value of Base Instance	Length Type
PROXYADD	**Proxy Server Address** Specify the Internet proxy server's address.		20 V
PROXYDSC	**Discover proxy address [Y/N/U]** Specify U to allow the user to control Internet proxy discovery. Specify Y or N proxy discovery on or off, and not allow the user to control its appearance.	U	1 V
PROXYPRT	**Proxy Server Port** Specify the Internet proxy server's port.		4 V
PROXYUSE	**Use Proxy Server [Y/N/U]** Specify U to allow the user to control the use of an Internet proxy. Specify Y or N to turn the use of an Internet proxy on or off, and not allow the user to control the use of an Internet proxy.	U	1 V
SHWADVOP	**Show Advanced Options [Y/N/U]** Specify U to allow the user to control the display of Advanced Options. Specify Y or N to turn off or on the display of Advanced Options such as Download Only, Reconfigure, and Undo buttons.	Y	1 V
SHWCATLG	**Show Catalog [Y/N/U]** Specify U to allow the user to control appearance of the list of catalogs. Specify Y or N to turn the catalog list on or off, and not allow the user to control its appearance.	U	1 V
SHWCOLEX	**Show Expand/Collapse Button [Y/N]** Specify Y to show the Install button.	Y	1 V
SHWGRID	**Show Grid Lines [Y/N/U]** Specify U to allow the user to control the display of grid lines. Specify Y or N to turn off or on the display of grid lines.	N	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
SHWINFO	**Show/Hide Extended Info [Y/N]** Specify Y to show the Extended Info button when a service item is expanded.	Y	1 V
SHWMENUS	**Show Menus [Y/N/U]** Specify U to allow the user to control appearance of the menu bar. Specify Y or N to turn the Menu bar on or off, and not allow the user to control its appearance.	U	1 V
SHWSCHEV	**Show/Hide Scheduled Event [Y/N]** Specify Y to show the Scheduled Event button when a service item is expanded. This button looks like a clock.	Y	1 V
STATSTRT	**Status window on startup [Y/N]** Set to Y to show the status window on start up.	N	1 V
STRTCHNG	**Startup param modifications [Y/N]** Specify Y to allow the user to modify the startup parameters in General Options in Preferences. Specify N to not allow the user to modify the startup parameters.	N	1 V
STRTFILE	**Startup parameter filename** Specify the file name for the startup parameters found in the General Options in Preferences.		50 V
STRUPMSG	**Warn if Startup file changes [Y/N]** Specify Y to warn the user if the startup parameter file has changed.	Y	1 V
TMNUCMD0n	**RadTray Menu Command** n 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

Attribute Name	Explanation	Value of Base Instance	Length Type
TMNUTXT0n	**RadTray Menu Text** n 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	Description:	Use instances in the SAP Class to identify your HPCA Servers, and determine the type and role for each. An HPCA Server can be a Configuration Server, Proxy Server, or CD-ROM.	
Domain:	CLIENT			
Class:	SAP			
Icon:		Can connect to:		

Table 41   SAP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
BANDWDTH	**Bandwidth Percentage (1-99)** Specify the percentage of bandwidth to use between 1 and 99. If blank value or non-existent variable, then use all of the bandwidth. This will override agent bandwidth setting if it contains a valid value. If blank, then use existing variable value on agent computer.		2 V
ENABLED	**Enable/Disable [Y/N]** Specify if this SAP is enabled (**Y**) or disabled (**N**). If the variable is blank or non-existent, then this SAP is enabled.	Y	1 V
FILTER	**Filter Expression [Obj.Var = Value]** Use this attribute to filter the SAP based on any available object attribute. For example, if you only wanted to use this SAP for a specific service, specify APPINFO.ZOBJNAME=GS-CALC. **Note**: The ZSERVICE object is not available during installation. Use the APPINFO object instead. Appinfo, located in the service's LIB directory, is a copy of the		

Attribute Name	Explanation	Value of Base Instance	Length Type
	service's instance from the ASERVICE object.		
NAME	**Friendly Name** Friendly name of the SAP instance.		50 V
NETTTL	**Network Time to Live (0-999)** Controls the maximum number of network segment hops allowed when calculating the speed of network connections. If NETTTL is not available or blank, the default value of 3 is used.		3 V
PRIORITY	**Selection Priority** *Do not modify.* The SAP obtains its priority by looking at the priority specified in the LOCATION Class.	&(LOCATION .SAPPRI)	20 V
PROXY	**Internet Proxy URI** *Do not modify.* The Internet proxy URI through which the agent will connect to the SAP. Maintained by agent.		255 V
PRODUCT	**Product Filter** Specify which types of agents can use this SAP instance. Specify multiple clients separated by a comma. Below are suggested identifiers for each agent: Application Manager: AM Inventory Manager: IM Application Self-service Mgr: ASM OS Manager: OSM Patch Manager: PATCH On your radskman command line, specify which products to filter by using the product parameter. For example, if this SAP should only be used by Application Manager, then you may want to set this attribute to AM. Then, set product to AM on your radskman command line.		

Attribute Name	Explanation	Value of Base Instance	Length Type
PUSHBACK	**Push Back (0-999 retries)** Set to **0** to skip a Configuration Server if the Configuration Server pushes back on the agent connect. Set to **1** to **999** for number of retries if the Configuration Server pushes back. **Default**: The default setting is **0**.		
ROLE	**RCS Role A,O,S,M,R,D** Specifies the role of the SAP. Specify as many values as are needed separated by a comma. A blank or null value defaults to ALL. Possible values are A = all, O = Client Operations Profiles, S = Service Resolution, M = Agent Self Maintenance, R = Reporting, D= Data Download. **Note:** Only a Configuration Server can be designated as anything other than type D. For servers where TYPE=DATA, if you specify anything other than D, that SAP instance will be skipped.	A	12 V
STREAM	**Enable Streaming [Y/N]** Specify **Y** to use streaming. This will override the client setting in ZMASTER.ZNORSPNS. **Caution**: Streaming is not suitable for all network environments. Consult your network administrator before setting this to Y.	N	1 V
THROTYPE	**[NONE/ADAPTIVE/RESERVED]** Type of bandwidth throttling to use. Set to **ADAPTIVE** to yield to other services that are using the network. Set to **RESERVED** to allow for a specific reservation of the bandwidth. It is the maximum percentage of network bandwidth to use. Set to **NONE** for no bandwidth throttling, and use the maximum available bandwidth.		8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	This will override client bandwidth throttling if it contains a valid value. If blank, then use existing variable value on the agent computer.		
TIMEOUT	**Communications Time-out (0-3200)s** Specify the timeout in seconds. This will override client time-out (ZMASTER.ZTIMEO) if it contains a valid numeric value. If blank, then use existing variable value on client.		4 V
TYPE	**Type [RCS /DATA]** Specify the Type of HPCA server. Set to **RCS** if using Configuration Server. Set to **Data** for Proxy Server or CD-ROM. If the agent computer is unable to reach any of its Server Access Profile, then the agent will default to the last known Configuration Server.	040	4 V
URI	**Universal Resource Identifier** Create the Universal Resource Identifier to specify the Configuration Server, or Proxy Server.		255 V
ZSTOP00n	**Expression Resolution Method** Use a ZSTOP expression to stop the process from completing if certain requirements are met, e.g., you may want to prevent a laptop computer from using this SAP.		100 E

5 The PRDMAINT Domain

Use the PRDMAINT Domain to store packages for self-maintenance. Refer to the *HP Client Automation Application Manager and Application Self-service Manage r 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, PDACONFG

Table 42   ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Contains** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Contains** An _ALWAYS_ class connection is always resolved. An Includes connection is used to express inter-package relationships.		50 I
ALWAYS	**Utility Resolution Method** Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved. A valid method name, for example, ZSYSTEM.ZMETHOD.PUT _ZERROR_HIST.		51 M

Attribute Name	Explanation	Value of Base Instance	Length Type
ADAPTIVE	**Auto Adaptability [Y/N]** Indicates whether the installed package is dependent on client settings that must be monitored periodically. If the settings change, the client must reconnect to the 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

Attribute Name	Explanation	Value of Base Instance	Length Type
CACHELOC	**CACHE Location on Client**	_UNDEF_	254 V
	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.		
CATGROUP	**Catalog Group Name**		30 V
	Type a name for the catalog to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		
COMPSIZE	**Application Size – Compressed**		12 V
	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.		

Attribute Name	Explanation	Value of Base Instance	Length Type
DELDATE	**Delete Date** Indicates when the application was removed (in local time) from the agent computer. The Agent manages and maintains this attribute.		32 V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).		100 V
ERTYPE	**Event Reporting Method [O/E/X]** Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server. **O** = Object Currently supports object format only.	O	1 V
EVENTS	**Events to Report** Indicates which events to report on. **Event to report on:** **AI** = Application Install **AD** = Application De-install **AU** = Application Update **AR** = Application Repair **AV** = Application Verify **VA** = Version Activation **VD** = Version Deactivation **What (about the event) to report on:** **S** = Success **F** = Failure **B** = Both Success and Failure **N** = None	AI=B AD=B AU=B AR=B AV=F VA=B VD=B	50 V

Attribute Name	Explanation	Value of Base Instance	Length Type
INSTDATE	**Installed Date** Indicates when the application was installed (in local time) on the agent computer. The Agent manages and maintains this attribute. The date is in text form, as in: Jan 28, 1998 16:10:00.		32 V
ITEMS	**Number of Component Instances**		7 V
LREPAIR	**Local Repair [Y/N]** Enables local repair of broken applications. If an application is broken because of missing files, the files (stored locally) can be used to repair the application.		1 V
MCELIGBL	**Service Multicast Eligible [Y/N]** Indicates if the application is eligible for multi-casting.	Y	1 V
NAME	**Friendly Name** Friendly name for the service. This appears in the properties for the service in the Service List.		80 V
OWNER	**Application Contact** Package owner, as documented by the Admin Publisher.		50 V
PRICE	**Price** Type in the price of an application to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		10 V
PUBDATE	**Published Date of Service** Date service was published.		32 V
REBOOT	**Install/Update/Delete/Version Change** Used to restart the agent computer after the service is installed. **Event to report on:**		64 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	AI = Install **AD** = Deinstall **AU** = Update **AR** = Repair **AV** = Verify **Type of reboot:** **S** = Soft Boot (Default of type Y panel.) **H** = Hard Boot (Default of type A panel.) **N** = None **Type of panel:** **Q =** No panel. **A = OK** button only. **Y = OK** and **Cancel** button. **Type of connect:** **None specified:** Reboot on Machine connect (context = m). **U** = reboot on user connect only (context = u). **MU =** reboot when both machine and user parts of the service have been installed. **Example:** AI=S performs a soft boot on application installation.		
RECONFIG	**Reconfiguration Enabled [Y/N]** Indicates whether an application can be relocated after it has been installed.		1 V
REMOVAL	**Un-Managed Behavior [A/D/U]** Controls removal of the service. **If ZVCMO is set to M, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **If ZVCMO is set to O, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and	D	1 V

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

Attribute Name	Explanation	Value of Base Instance	Length Type
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		32 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the 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.		32 V
URL	**WEB URL Name** Address of a Web page where the subscriber can find additional information about the service.		100 V
VENDOR	**Vendor Name** Name of the vendor of the service.		24 V
VERDATE	**Verified Date of Service** Indicates when the application was last verified (in local time) on the agent computer. The Agent manages and maintains this attribute.		32 V
VERSION	**Version Description**: Version of the software. This appears in the properties for the service in the Service List.		50 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZAVIS	Available, Verified, Installed, Sync F The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: • **Available** indicates whether a service is available from the Configuration Server. • **Verified** indicates whether a service has been verified. • **Installed** indicates whether the service has been installed. • **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.	YXNX	4 V
ZCONTEXT	**Component Context [M/U]**		1 V
ZCREATE	**Service Installation Method** 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager *and* Application Self-service Manager, you could also specify mandatory and then optional, **MO**, or optional then mandatory, **OM**. The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.	O	1 V
ZSVCMODE	**Application Context [M/U/MU]** Specifies whether the service is to be installed in the Machine, User, or Multi-user context. **M** = Machine **U** = User **MU** = Multi-user		2 V
ZSVCNAME	**Service Name/Description**	Unknown Service	24 V
ZSVCPRI	**Service Create Ordering [01-99]** Enables you to specify a priority level for this service. If disk space on the client desktop is not available, services will be downloaded based on the priority level set here. **01** = 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		1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	D – verify directories only **N** – do not verify permissions		
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, PDACONFG, REGISTRY

Table 43   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 44   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

Attribute Name	Explanation	Value of Base Instance	Length Type
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PRODUCT	**Product identifier**		8 V
PVERSION	**Product Version**	_UNDEF_	30 V
RELEASE	**Product release level**		6 V
SIGTYPE	**File Signature Type**		3 V
SPEVEL	**File service pack**		3 V
ZCMPKEY	**Compression Key**	_UNDEF_	80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZFILEUPD	**Client File Update/Add Method** If a file has been updated by an administrator, this method will be executed. 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCDATE	**Resource Date Stamp – From Promote** Date stamp on resource file from promote process.		8 V
ZRSCMMEM	**PDS Member Name**	_UNDEF_	8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name**	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name**		8 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCRSTR	**Restart [Y/N/R]** Set to Y to restart. Set to R to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	N	3 V
ZRSCSIG	**File Signature**		32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V

ZRSCVRFY	**Verify Resource File on Connect**
	Verifies the file statistics of a resource file on the desktop during each agent connect process.
	If you are deploying versioned resources, this attribute is ignored.
	The rules for the E(xist) flag apply to both HPCA - and non-HPCA distributed files. (For example, an 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.
		MN	8
			V

Attribute Name	Explanation	Value of Base Instance	Length Type
	— The file was re-promoted.		
	N = The file will be distributed if:		
	— The file has not been distributed before,		
	— Or, the file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for 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.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		

Attribute Name	Explanation	Value of Base Instance	Length Type
	U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that HPCA has. If the incoming file has a higher internal version number than it will be placed on the des**ktop over the existing file.** **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, 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.		
ZUPDATE	**Client Instance Update Method**		50 M

Mac File Resources (MACFILE) Class

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

Icon: Can connect to:

Table 45   MACFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
LINKDEST	**Symbolic Link Destination**		30 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_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.	50	2 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	01 = Highest priority **10** = Default value **99** = Lowest priority		
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]** Set to Y to restart.	Y	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each 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	Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 does not currently exist on the desktop. **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. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be		

Attribute Name	Explanation	Value of Base Instance	Length Type
	set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.

U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.

R = Resource Stamp. For internal use only.

V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that 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 = (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. | | |

Attribute Name	Explanation	Value of Base Instance	Length Type
	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.		
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
Domain: PRDMAINT   available in Radia 3.0 and later.

Class: MAINTLOC

Icon: Can connect to:

Table 46   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 47   PATH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DRIVE	**Drive**	&(ZMASTER.ZSYSDRV)	20 V
DIR	**Directory**	&(ZMASTER.ZROOTDIR _MAINT_\	255 V
NAME	**Friendly Name**	Maintenance Staging Directory	255 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
ZRSCPRI	**Priority**	5	2 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V

Product Maintenance (PRDMAINT) Class

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

Icon:

Can connect to: PACKAGE, FILE, PATH

Table 48   PRDMAINT Class Attribute Reference

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

Scheduling (TIMER) Class

File:	PRIMARY	**Description:**	Use the TIMER Class to schedule service deployments. Refer to the *Application Manager and Application Self-service Manager Guide* for more information.
Domain:	PRDMAINT		
Class:	TIMER		
Icon:		**Can connect to:**	

Table 49   TIMER Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
PINGCNT	**Number of Ping Attempts** This attribute sets the number of ping attempts to be made by the Configuration Server.	3	2 V
PINGDLAY	**Time between Pings (in msecs)** This attribute sets the amount of time between pings in msecs.	2000	6 V
REQUEST	**Application Request**	"Apply Updates"	32 V
RUNSYNC	**Synchronous Timer Execution [Y/N]** This attribute sets the value of Yes or No for the synchronous timer execution. The default value is Yes.	Y	1 V
SOCKET	**Server Socket Number**	&(ZMASTER.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	**Stop RCS Detection [Y/N]** Controls the automatic sensing of a network connection between the agent computer and the Configuration Server. An expired time will continually evaluate whether communications with the Configuration Server can be established. When communications are established, the	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again. This attribute is very useful for mobile users. **Note:** In order to use this attribute, you must add it to the TIMER Class template.		
ZOBJPRI	**Priority [00-99]** Sets the priority for deployment of the ZTIMEQ object. The ZTIMEQ object is deployed relative to the other elements being deployed during the agent connect. The elements with a priority number less than the value of ZOBJPRI are deployed before the ZTIMEQ object. A value of 90 is inherited from the base instance and should not be changed.	90	2 V
ZPRVNAME	**Provider (Manager) Name**	&(ZSERVICE .ZMGRNAME)	32 V
ZRSCCMDL	**Command Line to Execute** This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.	radskman req=	255 V
ZSCHDEF	**Time Parameter** Indicates when the timer expires. The syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.		50 V
ZSCHFREQ	Frequency [PERIODIC/ONCE/RANDOM] Use this attribute to specify how often the timer should expire. **ONCE** = expire one time. **PERIODIC** = expire repeatedly. **RANDOM** = expire in random intervals.	PERIODIC	10 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSCHMODE	**Timer Owner [MANAGER/DEFAULT]** This attribute specifies the timer owner. It is recommended that you leave the default configuration of USER.	DEFAULT	32 V
ZSCHTYPE	**Type [IMMEDIATE/DEFERRED]** *Used only when ZSCHFREQ = PERIODIC.* Set ZSCHTYPE to DEFERRED to indicate that the first time an event is attempted to be launched, it will be deferred until the *next* scheduled time, no matter when the timer instance is evaluated. This was designed to handle the case of a daily 4am (non-peak) scheduled event that is sent to the agent computer during the day. If it was not deferred, it would launch during the day instead of "waiting" until the next morning. **Example 1**: Suppose you create and deploy a timer with the ZSCHDEF = DAILY(&ZSYSDATE, 4:00:00) If ZSCHTYPE = IMMEDIATE and it is: Before 4:00:00, the command in the instance will be executed the same day at 4:00:00 After 4:00:00, the command in the instance will be executed immediately If ZSCHTYPE = DEFERRED and it is: Before 4:00:00, the command in the instance will be executed the *next* day at 4:00:00 After 4:00:00, the command in the instance will be executed the *next* day at 4:00:00 **Example 2:** Suppose you create and deploy a timer with the ZSCHDEF = WEEKDAY(FRIDAY, 4:00:00) If ZSCHTYPE = IMMEDIATE and it is: Not Friday or Friday and before 4:00:00, the	DEFERRED	10 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	command in the instance will be executed on Friday at 4:00:00 Friday and after 4:00:00, the command in the instance will be executed immediately If ZSCHTYPE = DEFERRED and it is: Not Friday or Friday and before 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00 Friday and after 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00		
ZSTOP	**Stop Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E
ZSVCOID	**Service ID** This attribute specifies the object ID of the Application instance that this Scheduling instance is connected to. This value is inherited from the base instance and should not be modified.	&(ZSERVICE.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.
Domain:	PRDMAINT		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.
Class:	UNIXFILE		

Icon: Can connect to:

Table 50   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 .MAINTENAN CE	50 C
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both 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** = he file will be distributed if one or more of the following conditions is met: — The file has not been distributed before. — The date, time, or size of the file has	MU	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	changed.		
	The file was re-promoted.		
	N = The file will be distributed if:		
	— The file has not been distributed before		
	— Or, the file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for 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.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the Configuration Server is newer		

Attribute Name	Explanation	Value of Base Instance	Length Type
	than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that 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 =** (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.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**		50 M

6 The PATCH Domain

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

Patch (PATCH) Class

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

Icon: Can connect to:

Table 51　PATCH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
FROMFDCI	**Origin of FROM Resource**: Original location of the From instance.		96 V
FROMOID	**Object ID of FROM Resource**: Object ID of the original From instance.		12 V
FROMSIG	**Signature of FROM Resource**: The content-based signature of the **From** file.		64 V
FROMSIZE	**Size of FROM Resource**: The size of the **From** file. This value is taken from the ZRSCSIZE of the From instance.		11 V
MESSAGE	**Explanation of Status**: Contains the explanation of the status. Reference this attribute to determine if a patch was built successfully.		255 V
NAME	**Friendly Name**: the value of ZRSCCFIL attribute in the **To** instance.		255 V
POS	**OS where Patch was Built**: The operating system on which the patch was built.		32 V
PVERSION	**Patch Builder Version**: The version of the patch builder.		3 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCTIME	**Time Patch was Built:** Time stamp on patch file from promote process.		8 V
ZRSCTYPE	**Type of Resource**: The only valid value is PATCH.		8 V

7 The POLICY Domain

Use the POLICY Domain to create users and groups, and to assign users to groups. Refer to the *HP Client Automation Application Manager and Application Self-service Manager Installation and Configuration Guide* for additional information.

Country / Region (COUNTRY) Class

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

Icon: Can connect to:

Table 52   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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSYNC	**Synchronize Client to Server Clock:** This attribute lets you specify whether you want a client to be synchronized to your site's server clock. **Y** = Synchronize the Agent to your site's server clock. **N** = Do not synchronize the client to your site's server clock. When specified, you must specify the time zone offset attribute.	N	1 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, MULTCAST

Table 53   DEPT Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Offers:** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Utility Resolution Method:** Any method you specify for this attribute is unconditionally executed by 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 *HP Client Automation OS Manager System Administrator Guide* for more information.
Domain:	POLICY		
Class:	MANUFACT		
Icon:		Can connect to:	

Table 54   MANUFACT Class Attribute Reference

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

Machine Models (MODEL) Class

File: PRIMARY   Description: Used to assign policy based on the machine model. Refer to the *HP Client Automation OS Manager System Administrator Guide* for more information.

Domain: POLICY

Class: MODEL

Icon:

Can connect to:

Table 55   MODEL Class Attribute Reference

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

Machine Roles (ROLE) Class

File: PRIMARY   Description: Used to assign policy based on the
                                         machine role. Refer to the *HP Client
Domain: POLICY   *Automation OS Manager System
                                         Administrator Guide* for more
Class: ROLE   information.

Icon: Can connect to:

Table 56   ROLE Class Attribute Reference

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

Machine Subnets (SUBNET) Class

File:	PRIMARY	Description:	Used to assign policy based on the machine subnet. Refer to the *HP Client Automation OS Manager System Administrator Guide* for more information.
Domain:	POLICY		
Class:	SUBNET		
Icon:		Can connect to:	

Table 57   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 58   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: 10.10.10.12:3466		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: 10.10.10.13:3466		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: 10.10.10.14:3466		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: 10.10.10.15:3466		255 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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: 10.10.10.16:3466		255 V
ZMBLSGNO	**Mobile Signon Panel [Y/N]:** Specifies whether to display the mobile device's sign on panel. Use **Y** to display the panel and **N** to suppress the panel.	N	1 V
SETUSER	**Set Userid on Mobile Device [Y/N]:** Set this to **Y** if you want the userID set to the serial number of the mobile device. Set this to **N** if you want this to be left as user entry.	N	1 V
STORUSER	**Store Userid & Password [Y/N]:** Set to **Y** if you want to store the User/Password in the UPDATE.INI file. Set this to **N** if you want to clear the User/Password in the UPDATE.INI file.	Y	1 V

Multicast (MULTCAST) Class

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

Table 59   MULTCAST Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Manager REXX Method** A Configuration Server REXX method.	SYSTEM .ZMETHOD .MULTCAST	255 M
ADDRESS	**Broadcast or Multicast Address** Specifies a valid broadcast/multicast address. Additionally, this attribute is important to the dynamic multicast feature.	229.0.0.0	19 V
ALTADDRM	**Multicast Server IP** The IP address of Multicast Server for object exchange.		32 V
ALTPORTM	**Multicast Server Port** The port of Multicast Server for object exchange. **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	3463	5 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	prepared to adjust accordingly, as other network software might also conflict.		
BYPASCON	**User to Prime Multicast Server** Limits which clients send which data to the Multicast Server. **BYPASCON = blank) -** All clients will exchange a control object and a needs list object with the Multicast Server. **BYPASCON =** *User* - The client with this user ID will send *both* objects to the Multicast Server, and the other clients will send *only* the control object. **BYPASCON = User 2 (a user ID, followed by a space and the numeral 2) -** The client with this user ID will send *both* objects to the Multicast Server; no other clients will be part of the object exchange. **Note**: This option requires that the local time on the clock of the machine that houses the Multicast Server be in synchronization with all multicast-eligible clients.		255 V8
CGMTDATE	**Collect Start Date (YYYYMMDD)** The start date of the collection period. The format is YYYYMMDD. Additionally, this attribute is important to the dynamic multicast feature.		8 V
CGMTTIME	**Collect Start Time GMT (HH:MM:SS)** The start time of the collection period. The format is HH:MM:SS. Additionally, this attribute is important to the dynamic multicast feature.		8 V
CLASS	**Class Name** Specifies the class name.	&(ZOBJCLASS)	12 V

Attribute Name	Explanation	Value of Base Instance	Length Type
CWINDOW	**Duration of Collection Window (min)** Duration (in minutes) of collection phase for all clients to register their list of required files. Additionally, this attribute is discussed as it relates to the dynamic. **Note**: When specifying the duration of your collection window, be sure it is sufficient to collect all the files in the request list.		3 V
DELAYBP	**Delay between Packets (msec)** Delay (milliseconds) between packets.	40	5 V
DELAYFP	**Delay after Packets (msec)** Delay (msec) after the first packet is sent.	40	5 V
DOMAIN	**Domain Name** Specifies the domain name.	&(ZOBJDOMN)	32 V
INSTANCE	**Instance Name** Specifies the instance name.	&(ZOBJNAME)	32 V
MCAST	**Enable Multicast [Y/N]** A flag to indicate if multicast is enabled. The default is Y.	Y	1 V
MCORDER	**Service Installation Order [B/A/S]** Enables an administrator to specify when to download and install mandatory services that are not multicast eligible. **B -** Download the service and install it on the client *before* the multicast session. **A -** Download the service and install it on the client *after* the multicast session. **S** - SPLIT the process so that it downloads the service to the client *before* the multicast, and installs the service *after* the multicast session. This is the default setting.	S	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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
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

Attribute Name	Explanation	Value of Base Instance	Length Type
RESENDS	**Number of Resends** Number of re-sends. **Note**: Multicast is designed to re-send all packets if RESENDS > 0. It will send STORE number of packets and then re-send that group for RESENDS times.	1	5 V
STORE	**Backup Packets to Store for Resend** Number of packets to buffer for resends. **Note**: Multicast is designed to re-send all packets if RESENDS > 0. It will send STORE number of packets and then re-send that group for RESENDS times.	20	5 V
TTL	**Number of Router Hops**	3	3 V

PDACONFG (PDACONFG) Class

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

Table 60   PDACONFG Class Attribute Reference

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

Server Stagers (STAGER) Class

File:	PRIMARY	Description:	Use to define Staging Servers or Proxy Servers within your distribution network. Refer to the *HP Client Automation Proxy Server Installation and Configuration Guide (Proxy Server Guide)* 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 61   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 *Proxy Server Guide*.		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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZPCPROTL	**Stager Protocol [TCP/HTTP]:** The protocol to be used for communications between the Staging Requestor and the Staging Server. Select one of the following: **NETB** – Net BIOS **TCP** – TCP/IP **SPX** – Novell NOS	TCP	4 V
ZSTGDESC	**Stager Description:** Specify a text string that subscribers will identify with the Staging Server.	Radia Stager	30 V
ZSTGENV	**Stager Environment [S/M]:** S if the Staging Server is on a machine separate from the Configuration Server. M if the Staging Server is co-resident with the Configuration Server. **S** = separate **M** = located on Configuration Server.		1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTGLOCS	**Type-Server/Network/Both [S/N/B]** • Specify **S** if the subscriber is to retrieve files from the Staging Server via a TCP/IP session. • Specify **N** if the subscriber is to retrieve files from an addressable location on the agent computer such as a mapped network drive or a local CD-ROM drive. • Specify **B** if the subscriber is to retrieve files from both. • If both (**B**), first the addressable location on the agent computer is checked for the necessary resources. If the files are not found, then the Staging Server is requested to supply them. If there is no STAGER instance assigned to the subscriber, the client obtains the files from the Configuration Server. If there *is* a STAGER instance assigned to the subscriber, the client attempts to obtain resources from all possible sources, in the following sequence: 1 The location specified by ZNETNDRV and ZNETNDIR. This can be a local CD-ROM drive or a network share. The resources are unavailable from this source if the ZNETNDRV and ZNETNDIR are blank, the location specified is invalid, a CD-ROM drive is identified that has no CD-ROM loaded, or the files cannot be found on the CD-ROM. 2 The location specified by ZSTGSDRV and ZSTGSDIR. This can be a dedicated Staging Server, or a Staging Server co-resident with a 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

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

Users (USER) Class

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

Table 62   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

Attribute Name	Explanation	Value of Base Instance	Length Type
RETRYINT	**Retry Interval (in seconds)**		2 V
RETRYLIM	**Number of Retries**		2 V
SELFPIND	**Self Maintenance Display [Y/N]:** Controls the self-maintenance status display screen.	N	1 V
SLFINTVL	**Self Maintenance Interval (hours):** Sets the frequency for self-maintenance (how often).	0	3 V
TYPSEL	**Type Selection-Calc. Pack Size**	Typical	10 V
UNAME	**Name**		30 V
USERID	**Enterprise User ID:** A valid eight-character alphanumeric User ID that identifies the Client Automation user. This must be the enterprise User ID that is already administered and authenticated by security software at your site. Eight-character Client Automation User ID.		8 V
ZCONFIG	**Collect Hardware Information [Y/N]:** Specify Y to allow hardware auditing information to be collected from the user's desktop. Specify N, and you will not be able to audit hardware assets. Note that this attribute value does not specify what is audited on a user's desktop, only that it can be.	Y	1 V
ZDLIMIT	**Maximum Disk Space**	0	11 V
ZGRPINFO	**Gather Group Membership Information [Y/N]**	N	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZOBJPFUE	**Free Unused Pool Elements**	Y	1 V
ZOBJPTCH	**Perform Patching [Y/N]**	N	1 V
ZPRIORIT	**Execute Priority:** For multiprocessing platforms, establishes the priority at which the agent connect process will execute Create methods. Numeric value between 1 and 99.	000	3 V
ZSETMSGA	**Send Message to Audit Resource:** If you insert (Y) in the ZAUDIT attribute (above), this value will determine the auditing process frequency: HOURLY, DAILY, MONTHLY.	DAILY	8 V
ZSHOW	**Display Status Indicator [Y/N]:** Enables or disables batch indicator bars. **Y** = Display batch indicator bars. **N** = Do not display batch indicator bars.	N	1 V
ZTIMEO	**Client Time-out (seconds):** Time that the Agent will wait for Configuration Server response, before the agent program is deactivated (timed out). Numeric value between 0 and 240 (in 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZVERDT	**Verify Desktop [Y/N]:** Use this variable to verify that user has all of his links and desktop settings. **Y** = Verify desktop, registry, and ini files **N** = Do not verify	Y	1 V

Workgroups (WORKGRP) Class

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

Table 63   WORKGRP Class Attribute Reference

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

8 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. Refer to the *HP Client Automation Enterprise Manager 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 64   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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:	SECURITY		
Class:	ZSERVICE		
Icon:		**Can connect to:**	PACKAGE, FILE, BEHAVIOR, DIALOG, DEPT, WORKGRP, TIMER, VGROUP, STAGER, HTTP, EXECUTE, ZSERVICE, PDACONFG

Table 65 ZSERVICE Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ADAPTIVE	**Auto Adaptability [Y/N]** Indicates whether the installed package is dependent on client settings that must be monitored periodically. If the settings change, the client must reconnect to the 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	000	3 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	cached on the disk.		
CACHELOC	**CACHE Location on Client** *For Windows Installer applications only.* Location of the folder on the agent computer that is used to cache the compressed application files needed for the product. 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	**Catalog Group Name** Type a name for the catalog to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		30 V
COMPSIZE	**Application Size – Compressed** The size of the compressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface. Cumulative value of the COMPSIZE defined in the PACKAGE Class.		12 V
DELDATE	**Delete Date**		32

Attribute Name	Explanation	Value of Base Instance	Length Type
	Indicates when the application was removed (in local time) from the agent computer. The Agent manages and maintains this attribute.		V
DESCRIPT	**Application Description** Description of the service that appears in the properties for the service in the Service List. Value is set initially in the **Long Description** field in the New Application Wizard (used to create a service).		100 V
ERTYPE	**Event Reporting Method [O/E/X]** Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server. **O** = Object Currently supports object format only.	O	1 V
EVENTS	**Events to Report** Indicates which events to report on. **Event to report on:** **AI** = Application Install **AD** = Application De-install **AU** = Application Update **AR** = Application Repair **AV** = Application Verify **VA** = Version Activation **VD** = Version Deactivation What (about the event) to report on: **S** = Success **F** = Failure **B** = Both Success and Failure **N** = None	AI=B AD=B AU=B AR=B AV=F VA=B VD=B	50 V
INSTDATE	**Installed Date** Indicates when the application was installed (in local time) on the agent		32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	computer. The Agent manages and maintains this attribute. The date is in text form, as in: Jan 28, 1998 16:10:00.		
ITEMS	**Number of Component Instances** Cumulative numeric value of the component instances of all the attached packages. (See ITEMS from PACKAGE Class.)		7 V
LREPAIR	**Local Repair [Y/N]** Enables local repair of broken applications. If an application is broken because of missing files, the files (stored locally) can be used to repair the application.		1 V
MCELIGBL	**Service Multicast Eligible [Y/N]** Indicates if the application is eligible for multi-casting.	Y	1 V
NAME	**Friendly Name** Friendly name for the service. This appears in the properties for the service in the Service List.		80 V
OWNER	**Application Contact** Package owner, as documented by the Admin Publisher.		50 V
PRICE	**Price** Type the price of an application to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		10 V
PUBDATE	**Published Date of Service** Date service was published.		32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
REBOOT	**Install/Update/Delete/Version Change** Used to restart the agent computer after the service is installed. Event to report on: **AI** = Install **AD** = Deinstall **AU** = Update **AR** = Repair **AV** = Verify Type of reboot: **S** = Soft Boot (Default of type **Y** panel.) **H** = Hard Boot (Default of type **A** panel.) **N** = None **Type of panel:** **Q =** No panel. **A = OK** button only. **Y = OK** and **Cancel** button. **Type of connect:** **None specified:** Reboot on Machine connect (context = m). **U** = reboot on user connect only (context = u). **MU =** reboot when both machine and user parts of the service have been installed. **Example:** AI=S performs a soft boot on application installation.		64 V
RECONFIG	**Reconfiguration Enabled [Y/N]** Indicates whether an application can be relocated after it has been installed.		1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
REMOVAL	**Un-Managed Behavior [A/D/U]** Controls removal of the service. **If ZVCMO is set to M, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **If ZVCMO is set to O, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **U** = Unmanage (does not delete the objects or components)	D	1 V
RSTRSIZE	**Download Restart Threshold (in bytes)** Use the RSTRSIZE attribute in the appropriate ZSERVICE Class instance to control which files are enabled for check point restart based on the amount of data being downloaded (in bytes). This is for Windows Installer-Enabled Applications (MSI)	0	11 V
RUNDLG	**Dialog Processing [Y/N]** Specifies whether to enable processing of dialog boxes during the installation of the service.	N	1 V
RUNLEVEL	**Runlevel Support for UNIX**.		1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		32 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the 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.		32 V
URL	**WEB URL Name** Address of a Web page where the subscriber can find additional information about the service.		100 V
VENDOR	**Vendor Name** Name of the vendor of the service.		24 V
VERDATE	**Verified Date of Service** Indicates when the application was last verified (in local time) on the agent computer. The Agent manages and maintains this attribute.		32 V
VERSION	**Version Description** Version of the software. This appears in the properties for the service in the Service List.		50 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZAVIS	**Available, Verified, Installed, Sync F** The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: **Available** indicates whether a service is available from the Configuration Server. **Verified** indicates whether a service has been verified. **Installed** indicates whether the service has been installed. **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.	YXNX	4 V
ZBITARCH	**Target Bit Architecture [/32/64]** Set to 32 to deploy to 32-bit architectures. Set to 64 to deploy to 64-bit architectures. Set to blank to deploy to all architectures.		8 V
ZBWAPCT	**Adaptive Percentage** Adaptive minimum percentage of bandwidth used when using bandwidth throttling.		3 V
ZBWPCT	**Reserved Percentage** Reserved maximum percentage bandwidth used when using bandwidth throttling.		3 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCONTEXT	**Component Context [M/U]**		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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSVCCSTA	**Service Status on Client (999)** Status code for the service that leads you to the reason why files for a service may not be deployed correctly. **000** = All actions for service completed. **008** = At least one resource had a writer error. **014** = No disk space for at least one resource. **015** = ZDLIMIT exceeded for at least one resource. **024** = A method timed out. **036** = A create method set ZBRC>7. **900** = Not all files were verified. No work done for service.	999	3 V
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the Agent. If you are using Client Automation Application Manager *and* Application Self-service Manager, you could also specify mandatory and then optional, **MO**, or optional then mandatory, **OM**. The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.	O	1 V
ZSVCMODE	**Application Context [M/U/MU]** Specifies whether the service is to be installed in the Machine, User, or Multi-user context. **M** = Machine **U** = User **MU** = Multi-user		2 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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.		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 *Application Management Profiles Guide* for additional information on using AMPs.

Domain: SECURITY

Class: APPCNTRL

Icon: **Can connect to:**

Table 66   Application Control Class Attribute Reference

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

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZOBJPRI	Instance Priority		3 V
ZCONTEXT	Instance Context		1 V

Application Packages (PACKAGE) Class

File: PRIMARY   **Description:** The PACKAGE Class contains an instance with associated references used to identify an application component model. An administrator uses the Admin Publisher to create a package instance.

Domain: SECURITY

Class: PACKAGE

Icon: **Can connect to:** DESKTOP, FILE, PATH, MSIFEATES, MSI, PACKAGE, PDACONFG, REGISTRY

Table 67   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Domain: SECURITY

Class: EXECUTE

Icon:

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.

Can connect to:

Table 68   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 69   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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. **R**ead-only **A**rchive **S**ystem **H**idden.		4 V
ZRSCRSTR	**Restart [Y/N]** You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	**Behavior Size** Byte count of resource file from promote process. A value up to 11 digits long.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCSRC	**Resource Source**		1 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]** File format for file download: Binary, Text, or Object.	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Enables you to skip the reactivation of version resources if the version is already active. **Y** = Skip the rebuilding of version resources **N** = Rebuild version resources	Y	1 V
ZRSCTIME	**Behavior Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: • The file has not been distributed	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	before.		
	• The date, time, or size of the file has changed.		
	• The file was re-promoted.		
	N = The file will be distributed if:		
	• The file has not been distributed before. Or,		
	• The file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that		

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZUPDATE	**Client Instance Update Method** If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M
ZUSERID	**Admin ID**		30 V

Class Defaults (METACLAS) Class

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

Table 70   METACLAS Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 71　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		255 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	value should be in double quotes, e.g., `"c:\program files\HP\test.exe"`.		
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 72   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
SCHEDOK	**Update Schedule Locally [Y/N]** Specifies whether the subscribers are allowed to change the update schedule for the service locally. **Y** = Subscriber is allowed to change the schedule. **N** = Configuration Server controls the update schedule.		1 V
SIZE	**Application Size - Uncompressed**		12 V
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		12 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZAVIS	**Available, Verified, Installed, Sync F** The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: • **Available** indicates whether a service is available from the Configuration Server. • **Verified** indicates whether a service has been verified. • **Installed** indicates whether the service has been installed. • **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.	YXNX	4 V
ZCREATE	**Service Installation Method** HPCA-supplied method or fully qualified, user-defined method.	50 M	
ZDELETE	**Service Delete Method** HPCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		50 M
ZSVCCONF	**Confirm Service Install [Y/N]** Enables you to confirm the service was downloaded.	N	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSVCCSTA	**Service Status on Client (999)** Service status code. **000** = All actions for service completed **008** = At least one resource had a writer error **014** = No disk space for at least one resource **015** = ZDLIMIT exceeded for at least one resource **024** = A method timed out **036** = A create method set ZBRC>7 **900** = Not all files were verified. No work done for service	999	3 V
ZSVCINST	**Service Installation Date/Time**		32 V
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager *and* Application Self-service Manager, you could also specify mandatory and then optional, **MO**, or optional then mandatory, **OM**. The first character indicates how the application should be handled before installation. The second character indicates how the application should be handled after installation.	M	1 V
ZSVCNAME	**Service Name/Description** Name of the service, e.g., VB Calculator.		24 V
ZSVCPRI	**Service Create Ordering [01-99]** Enables you to specify a priority level for this service. If disk space on the agent desktop is not available, services will be downloaded based on the priority level set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		2 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSVCSEL	**Update Force Bypass Remove [U/F/B/R]** If ZSVCMO is optional, this attribute can be Update, Force, Remove, or Bypass. **U**pdate **F**orce **R**emove **B**ypass		1 V
ZSVCUPD	**Service Update Date/Time**		32 V
ZSVCVERS	**Version Activation Level** Version number of resources or service from the promotion process.		12 V
ZUPDATE	**Service Update Method** HPCA-supplied method or fully qualified, user-defined method.		50 M

File Resources (FILE) Class

File: PRIMARY

Domain: SECURITY

Class: FILE

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.

Icon:

Can connect to:

Table 73   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

Attribute Name	Explanation	Value of Base Instance	Length Type
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PVERSION	**Promote Version**	_UNDEF_	30 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key** Not used.	_UNDEF_	80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMMEM	**PDS Member Name** PDS where resource actually resides. PDS name where resource resides in Manager (MVS only).		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name** Name or description of resource. Valid name of resource to distribute to client.	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name** The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE. A valid in-storage object name.		8 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01 =** Highest priority **10 =** Default value **99 =** Lowest priority	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem and/or **H**idden		4 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRSTR	**Restart [Y/N/R]** Restart a download process at the point it was interrupted (Y), or resend the entire object (No). Set to (R) to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	N	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher** Stores the source of the resource: If resource was retrieved from 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Enables you to skip the reactivation of version resources if the version is already active. **Y** = Skip the rebuilding of version resources **N** = Rebuild version resources		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: The file has not been distributed before. The date, time, or size of the file has changed. The file was re-promoted. **N** = The file will be distributed if: The file has not been distributed before. Or, The file was re-promoted. **E** = The file will be distributed only if it does	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop.		
	R = Resource Stamp. For internal use only.		
	V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client		

Attribute Name	Explanation	Value of Base Instance	Length Type
	Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file.		
	P = (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	**Client Instance Update Method** If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M

HTTP Proxy (HTTP) Class

File: PRIMARY   **Description:**

Domain: SECURITY

Class: HTTP

Icon: **Can connect to:**

Table 74   HTTP Class Attribute Reference

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

IBM AIX Packages (AIX) Class

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

Table 75   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

Attribute Name	Explanation	Value of Base Instance	Length Type
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use*.	_UNDEF_	32 V
PKGDESC	**Package Description**		80 V
PREREQ	**AIX Package Prerequisites**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 76   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

Attribute Name	Explanation	Value of Base Instance	Length Type
COMP4TXT	**Component 4 Description**		20 V
COMPPIC	**Components Picture (bmp)**	&(WELCPIC)	12 V
COPYRITE	**Copyright Text**	@Copyright 1998	30 V
EULAPIC	**EULA Picture (bmp)**	&(WELCPIC)	12 V
EULATEXT	**End User License Agreement Text**	This software is protected by copyright laws. By accepting, you are agreeing with all terms included in the original program documentation.	200 V
IDIRNAME	**Install Directory Name**		100 V
IDIRPIC	**Install Directory Picture (bmp)**	&(WELCPIC)	12
KEYFILE	**Search for File Name**		12 V
NAME	**Friendly Name**		80 V
OPTS1SEL	**Option 1 Selected [Y/N]**	Y	1 V
OPTS1TXT	**Option 1 Description**		20 V
OPTS2SEL	**Option 2 Selected [Y/N]**	Y	1 V
OPTS2TXT	**Option 2 Description**		20 V
OPTS3SEL	**Option 3 Selected [Y/N]**	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCDIR	**Search Directory**	*\	255 V
ZRSCCDRV	**Search Drive**	&(ZMASTER.ZWINDRV)	19 V
ZRSCSTYP	**Search File Type [BINARY]**	BINARY	6 V

Linux RPM Packages (RPM) Class

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

Table 77   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

Attribute Name	Explanation	Value of Base Instance	Length Type
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PKGARCH	**RPM Package Architecture**		32 V
PKGEPOCH	**RPM Package EPOCH**		32 V
PKGNAME	**RPM Package Name**		32 V
PKGREL	**RPM Package Release**		32 V
PKGSUMM	**RPM Package Summary**		100 V
PKGVER	**RPM Package Version**		32 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
REQCMDS	**Requires Commands**		255 V
REQLIBS	**Requires Shared Libraries**		255 V
REQPKGS	**Requires Package**		255 V
VRFYOPTS	**Package Verify Options**		60 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method**	hide nvdkit method	60 M
ZVERIFY	**Method to Verify Resource**	hide nvdkit method	40 M

Mac Alias (MACALIAS) Class

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

Table 78   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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.
Domain:	SECURITY		An instance of the MACFILE Class defines a file, or a group of files, to include in an application service. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Class:	MACFILE		

Icon: **Can connect to:**

Table 79   MACFILE Class Attribute Reference

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

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N/R]** Y to restart. Set to **R** to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	Y	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)	Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	Thus, you must specify Y or N for an existing file to be distributed.		
	Y = The file will be distributed if one or more of the following conditions is met:		
	• The file has not been distributed before.		
	• The date, time, or size of the file has changed.		
	• The file was re-promoted.		
	N = The file will be distributed if:		
	• The file has not been distributed before,		
	• Or, the file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be		

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

Mobile File Resources (RMMFILE) Class

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

Table 80   RMMFILE Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]**	Y	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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Domain: SECURITY

Class: MSIBASIC

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.

Icon:

Can connect to:

Table 81   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 82   MSIFEATS Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 83   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 84   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMME M	**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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e. Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. 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.) 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:		8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	• The file has not been distributed before,		
	• Or, the file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.		
	R = Resource Stamp. For internal use only.		
	V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and		

Attribute Name	Explanation	Value of Base Instance	Length Type
	the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	**Service Update Method**		50 M
ZVERIFY	**Service Verify Method**		50 M

Panel Services (PANEL) Class

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

Icon:		**Can connect to:**

Table 85   PANEL Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		2 V
ZRSCRASH	**DOS File Attribute** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem and/or **H**idden		4 V
ZRSCRSTR	**Restart [Y/N]** You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	**Panel Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSRC	**Resource Source**		1 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]** File format for file download: Binary, Text, or Object.	BINARY	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]** Enables you to skip the reactivation of version resources if the version is already active. **Y** = Skip the rebuilding of version resources. **N** = Rebuild version resources.	Y	1 V
ZRSCTIME	**Panel Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or ore of the following conditions is met: — The file has not been distributed before. — The date, time, or size of the file has changed. — The file was re-promoted. **N** = The file will be distributed if: — The file was re-promoted. **E** = The file will be distributed only if it does	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.		
	R = Resource Stamp. For internal use only.		
	V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and		

Attribute Name	Explanation	Value of Base Instance	Length Type
	compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	**Client Instance Update Method** If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M
ZUSERID	**Admin ID**		30 V

Path (PATH) Class

File: PRIMARY

Domain: SECURITY

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: CATALOG, ZSERVICE

Table 86   PATH Class Attribute Reference

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

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

Registry Resources (REGISTRY) Class

File: PRIMARY   **Description:** An instance of the REGISTRY Class defines a registry resource that is part of a PACKAGE.

Domain: SECURITY

Class: REGISTRY

Icon: **Can connect to:**

Table 87   REGISTRY Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRSTR	**Restart [Y/N]**	N	1 V
ZRSCSIG	**File Signature**		32 v
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**File Type [BINARY/TEXT/EDMFILE]**	EDMFILE	8 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E (exist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: — The file has not been distributed before.	U	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	— The date, time, or size of the file has changed. — The file was re-promoted. **N** = The file will be distributed if: — The file has not been distributed before. Or, — The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and		

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

Replace Application (REPLACE) Class

File: PRIMARY **Description:**

Domain: SECURITY

Class: REPLACE

Icon: **Can connect to:**

Table 88   REPLACE Class Attribute Reference

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

Scheduling (TIMER) Class

File:	PRIMARY	**Description:**	Use the TIMER Class to schedule service deployments. Refer to the *HP Client Automation Application Manager and Application Self-service Manager Installation and Configuration Guide* for more information.
Domain:	SECURITY		
Class:	TIMER		

Icon: **Can connect to:**

Table 89   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**	_UNDEF_	32

Attribute Name	Explanation	Value of Base Instance	Length Type
	Object Global Unique Identification – *for future use.*		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	**Stop RCS Detection [Y/N]** Controls the automatic sensing of a network connection between the agent computer and the Configuration Server. An expired time will continually evaluate	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	whether communications with the Configuration Server can be established. When communications are established, the command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again. This attribute is especially useful for mobile users. **Note:** In order to use this attribute, you must add it to the TIMER Class template.		
ZOBJPRI	**Priority [00-99]** Sets the priority for deployment of the ZTIMEQ object. The ZTIMEQ object is deployed relative to the other elements being deployed during the agent connect. The elements with a priority number less than the value of ZOBJPRI are deployed before the ZTIMEQ object. A value of 90 is inherited from the base instance and should not be changed.	90	2 V
ZPRVNAME	**Provider (Manager) Name**	&(ZSERVICE .ZMGRNAME)	32 V
ZRSCCMDL	**Command Line to Execute** This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.	radskman req=	255 V
ZSCHDEF	**Time Parameter** Indicates when the timer expires. The syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.		50 V
ZSCHFREQ	**Frequency [PERIODIC/ONCE/RANDOM]**	PERIODIC	10 V

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

Attribute Name	Explanation	Value of Base Instance	Length Type
	4:00:00		
	Example 2:		
	Suppose you create and deploy a timer with the ZSCHDEF = WEEKDAY(FRIDAY,4:00:00)		
	If ZSCHTYPE = IMMEDIATE and it is:		
	• Not Friday or Friday and before 4:00:00, the command in the instance will be executed on Friday at 4:00:00		
	• Friday and after 4:00:00, the command in the instance will be executed immediately		
	If ZSCHTYPE = DEFERRED and it is:		
	• Not Friday or Friday and before 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00		
	Friday and after 4:00:00, the command in the instance will be executed a week later on Friday at 4:00:00		
ZSTOP	**Stop Expression**		255 E
	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.		
ZSVCOID	**Service ID**	&(ZSERVICE. ZOBJID)	80 V
	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.		
ZUPDATE	**Client Update Method**	radtimeq	80 M
	The Scheduler UPDATE method that runs		

Attribute Name	Explanation	Value of Base Instance	Length Type
	on the agent computer. This value is inherited from the base instance and should not be changed.		
ZVERIFY	**Client Verify Method**	radtimeq	80 M

SD Packages (SD) Class

File: PRIMARY **Description:** The SD Class applies to the HP-UX operating system.

Domain: SECURITY

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 *HP Configuration Management Batch Publisher Installation and Configuration Guide (Batch Publisher Guide)* for more information.

Class: SD

Icon: SD **Can connect to:**

Table 90   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

Attribute Name	Explanation	Value of Base Instance	Length Type
CONTENTS	**Required Packages Included in Tar**		255 V
COREQ	**Corequisites Required**		255 V
EXREQ	**Exrequisites**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
INSTOPTS	**Package Install Options**		60 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use*.	_UNDEF_	32 V
PREREQ	**Prerequisites Required**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to install software.	hide nvdkit method	60 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V

ZRSCVRFY	**Verify Resource File on Connect**
	 Verifies the file statistics of a resource file on the desktop during each agent connect process.
	 If you are deploying versioned resources, this attribute is ignored.
	 The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)
	 Thus, you must specify Y or N for an existing file to be distributed.
	 Y = The file will be distributed if one or more of the following conditions is met:
	   — The file has not been distributed before.
	   — The date, time, or size of the file has
		Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	changed.		
	— The file was re-promoted.		
	N = The file will be distributed if:		
	— The file has not been distributed before,		
	— Or, the file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.		
	R = Resource Stamp. For internal use only.		

Attribute Name	Explanation	Value of Base Instance	Length Type
	V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method** Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to update software.	hide nvdkit method	60 V
ZVERIFY	**Method to Verify Resource** Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to verify installed software.	hide nvdkit method	40 M

Solaris Patches (SOLPATCH) Class

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

Table 91   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

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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

SVR4 Packages (SVR4) Class

File: PRIMARY **Description:** The SVR4 Class applies to the Solaris operating system.

Domain: SECURITY

Class: SVR4

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 *Batch Publisher Guide* for more information.

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

Table 92 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both 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	Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	changed.		
	— The file was re-promoted.		
	N = The file will be distributed if:		
	— The file has not been distributed before,		
	— Or, the file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop**.**		
	R = Resource Stamp. For internal use only.		
	V = (Windows only) Used in when normal		

Attribute Name	Explanation	Value of Base Instance	Length Type
	date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method** Uses method "Harness" call. The agent side script (`sd.tcl` or `svr4.tcl`) contains a native command call to update software.	hide nvdkit method	60 V
ZVERIFY	**Method to Verify Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to verify installed software.	hide nvdkit method	40 M

TPM Configuration (TPMCFG) Class

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

Table 93   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

Domain: SECURITY

Class: UNIXFILE

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.

Icon:

Can connect to:

Table 94   UNIXFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
DIRPERMS	**Perms for newly created directories** Permissions assigned to newly created directories.		4 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N/R]** Y to restart. Set to **R** to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	Y	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both 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	Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	file to be distributed.		
	Y = The file will be distributed if one or more of the following conditions is met:		
	— The file has not been distributed before.		
	— The date, time, or size of the file has changed.		
	— The file was re-promoted.		
	N = The file will be distributed if:		
	— The file has not been distributed before,		
	— Or, the file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects,		

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

Version Groups (VGROUP) Class

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

Icon: **Can connect to:**

Table 95   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 *version* of an application to be deployed and managed by Client Automation. Use the Version Group Editor to create Versions class instances and assign them to a Version Group.
Domain:	SECURITY		
Class:	VERSION		

Icon: 🗔   **Can connect to:**

Table 96   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 97   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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCNAME	**Resource Name**	&ZRSCCFIL	30 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVRFY	**Verify Resource Files on Connect**	Y	8 V
ZSTOP000	**Stop Expression**	/(EDMGETV(ZCONFIG. WTSSRVR='Y'))	50 E

WTS Control (WTSCTRL) Class

File: PRIMARY   **Description:**   Instances in this class describe some behaviors you may need for the application, if you require logoffs for application events, the type of install and the timeout settings.

Domain: SECURITY

Class: WTSCTRL

Icon: **Can connect to:**

Table 98   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

Attribute Name	Explanation	Value of Base Instance	Length Type
WTSTYPE	**Install / Execute Mode [I/E]** Set to I to install files natively on the Windows Terminal Server such as applications that an administrator may use specifically on the server. Set to E for an application that will be used by the Window Terminal Server's agents.	E	1 V

9 The SOFTWARE Domain

The SOFTWARE Domain contains information about the software being managed and the methods used to deploy the software. Refer to the *HP Client Automation Application Manager and Application Self-service Manager Installation and Configuration 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:	SOFTWARE		
Class:	ALERTDEF		
Icon:		**Can connect to:**	ZSERVICE

Table 99   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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, PDACONFG

Table 100   ZSERVICE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Contains** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
ALWAYS	**Contains** An _ALWAYS_ class connection is always resolved. An Includes connection is used to express inter-package relationships.		50 I
ALWAYS	**Utility Resolution Method** Any method you specify for this attribute is unconditionally executed by Client Automation when this instance is resolved. A valid method name, for example, `ZSYSTEM.ZMETHOD. PUT_ZERROR_HIST`.		51 M

Attribute Name	Explanation	Value of Base Instance	Length Type
ADAPTIVE	**Auto Adaptability [Y/N]** Indicates whether the installed package is dependent on client settings that must be monitored periodically. If the settings change, the client must reconnect to the 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

Attribute Name	Explanation	Value of Base Instance	Length Type
CACHELOC	**CACHE Location on Client** *For Windows Installer applications only.* Location of the folder on the agent computer that is used to cache the compressed application files needed for the product. 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	**Catalog Group Name** Type a name for the catalog to be displayed to subscribers when they click **Properties** in the Application Self-service Manager user interface.		30 V
COMPSIZE	**Application Size – Compressed** The size of the compressed application displayed to the subscribers when they click **Properties** in the Application Self-service Manager user interface. Cumulative value of the COMPSIZE defined in the PACKAGE Class.		12 V
DELDATE	**Delete Date** Indicates when the application was removed (in local time) from the agent computer. The Agent manages and maintains this attribute.		32 V
DESCRIPT	**Application Description**		100

Attribute Name	Explanation	Value of Base Instance	Length Type
	Description of the service that appears in the properties for the service in the Service List.		V
	Value is set initially in the Long Description field in the New Application Wizard (used to create a service).		
ERTYPE	**Event Reporting Method [O/E/X]**	O	1 V
	Set on the Configuration Server, this sends an APPEVENT object to the Configuration Server.		
	O = Object		
	Currently supports object format only.		
EVENTS	**Events to Report**	AI=B	50
	Indicates which events to report on.	AD=B	V
	Event to report on:	AU=B	
	AI = Application Install	AR=B	
	AD = Application De-install	AV=F	
	AU = Application Update	VA=B	
	AR = Application Repair	VD=B	
	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		
INSTDATE	**Installed Date**		32 V
	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.		
ITEMS	**Number of Component Instances**		7 V
	Cumulative numeric value of the component instances of all the attached packages. (See ITEMS from PACKAGE Class.)		

Attribute Name	Explanation	Value of Base Instance	Length Type
LREPAIR	**Local Repair [Y/N]** Enables local repair of broken applications. If an application is broken because of missing files, the files (stored locally) can be used to repair the application.		1 V
MCELIGBL	**Service Multicast Eligible [Y/N]** Indicates if the application is eligible for multi-casting.	Y	1 V
NAME	**Friendly Name** Friendly name for the service. This appears in the properties for the service in the Service List.		80 V
OWNER	**Application Contact** Package owner, as documented by the 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

Attribute Name	Explanation	Value of Base Instance	Length Type
REBOOT	**Install/Update/Delete/Version Change** Used to restart the agent computer after the service is installed. **Event to report on:** **AI** = Install **AD** = Deinstall **AU** = Update **AR** = Repair **AV** = Verify **Type of reboot:** **S** = Soft Boot (Default of type **Y** panel.) **H** = Hard Boot (Default of type **A** panel.) **N** = None **Type of panel:** **Q =** No panel. **A = OK** button only. **Y = OK** and **Cancel** button. **Type of connect:** **None specified**: Reboot on Machine connect (context = m). **U** = reboot on user connect only (context = u). **MU =** reboot when both machine and user parts of the service have been installed. **Example**: AI=S performs a soft boot on application installation.		64 V
RECONFIG	**Reconfiguration Enabled [Y/N]** Indicates whether an application can be relocated after it has been installed.		1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
REMOVAL	**Un-Managed Behavior [A/D/U]** Controls removal of the service. **If ZVCMO is set to M, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **If ZVCMO is set to O, set REMOVAL to:** **A** = Abandon (deletes the objects, but not the components) **D** = Delete (deletes the objects and components) **U** = Unmanage (does not delete the objects or components)	D	1 V
RSTRSIZE	**Download Restart Threshold (in bytes)** Use the RSTRSIZE attribute in the appropriate ZSERVICE Class instance to control which files are enabled for check point restart based on the amount of data being downloaded (in bytes). This is for Windows Installer-Enabled Applications (MSI)	0	11 V
RUNDLG	**Dialog Processing [Y/N]** Specifies whether to enable processing of dialog boxes during the installation of the service.	N	1 V
RUNLEVEL	**Runlevel Support for UNIX.**		1 V
SCHEDOK	**Update Schedule Locally [Y/N]** Specifies whether the subscribers are allowed to change the update schedule for the service locally. **Y** = Subscriber is allowed to change the schedule. **N** = Configuration Server controls the update schedule.		1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		32 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the 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.		32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
URL	**WEB URL Name** Address of a Web page where the subscriber can find additional information about the service.		100 V
VENDOR	**Vendor Name** Name of the vendor of the service.		24 V
VERDATE	**Verified Date of Service** Indicates when the application was last verified (in local time) on the agent computer. The Agent manages and maintains this attribute.		32 V
VERSION	**Version Description** Version of the software. This appears in the properties for the service in the Service List.		50 V
ZAVIS	**Available, Verified, Installed, Sync F** The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: **Available** indicates whether a service is available from the Configuration Server. **Verified** indicates whether a service has been verified. **Installed** indicates whether the service has been installed. **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.	YXNX	4 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZBITARCH	**Target Bit Architecture [/32/64]** • Set to 32 to deploy to 32-bit architectures. • Set to 64 to deploy to 64-bit architectures. • Set to blank to deploy to all architectures.		8 V
ZBWAPCT	**Adaptive Percentage** Adaptive minimum percentage of bandwidth used when using bandwidth throttling.		3 V
ZBWPCT	**Reserved Percentage** Reserved maximum percentage bandwidth used when using bandwidth throttling.		3 V
ZCONTEXT	**Component Context [M/U]**		8 V
ZCREATE	**Service Installation Method** 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 client from the Configuration Server. **N** = Does not disconnect from the client from the Configuration Server.	Y	1 V
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		100 M
ZREPAIR	**Service Repair Method** Name of the method to repair the service.		100 M

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSTOP000 to ZSTOP002	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		100 E
ZSTOP999	**Stop Unless Radia Connect**		50 E
ZSVCCAT	**Service Visible in Catalog? [Y/N]**		1 V
ZSVCCSTA	**Service Status on Client (999)** Status code for the service that leads you to the reason why files for a service may not be deployed correctly. **000** = All actions for service completed. **008** = At least one resource had a writer error. **014** = No disk space for at least one resource. **015** = ZDLIMIT exceeded for at least one resource. **024** = A method timed out. **036** = A create method set ZBRC>7. **900** = Not all files were verified. No work done for service.	999	3 V
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the agent. If you are using 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 will be handled before installation. The second character indicates how the application will	O	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	be handled after installation.		
ZSVCMODE	**Application Context [M/U/MU]** Specifies whether the service is to be installed in the Machine, User, or Multi-user context. **M** = Machine **U** = User **MU** = Multi-user		2 V
ZSVCNAME	**Service Name/Description**	Unknown Service	24 V
ZSVCPRI	**Service Create Ordering [01-99]** Enables you to specify a priority level for this service. If disk space on the 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, PDACONFG, REGISTRY

Table 101   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 102   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
Domain: SOFTWARE define a file, or a group of files,
to include in an application
Class: BEHAVIOR service. An instance of this class
lets you specify such
characteristics about the file as
the file's name, size, and date
stamp.

Icon: 🖘 **Can connect to:** PACKAGE

Table 103 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCOBJN	**Persistent Object Name** The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE.		8 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01 =** Highest priority **10 =** Default value **99 =** Lowest priority	10	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem **H**idden.		4 V
ZRSCRSTR	**Restart [Y/N]** You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	**Behavior Size** Byte count of resource file from promote process. A value up to 11 digits long.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSRC	**Resource Source**		1 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]** File format for file download: Binary, Text, or Object.	BINARY	8 V

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

ZRSCVRFY	**Verify Resource File on Connect**
	
	Verifies the file statistics of a resource file on the desktop during each agent connect process.
	
	If you are deploying versioned resources, this attribute is ignored.
	
	The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.)
	
	Thus, you must specify Y or N for an existing file to be distributed.
	
	Y = The file will be distributed if one or more of the following conditions is met:
	
	  — The file has not been distributed before.
	
	  — The date, time, or size of the file has changed.
	
	  — The file was re-promoted.
	
	N = The file will be distributed if:
	
	  — The file has not been distributed before,
		Y	1
			V

Attribute Name	Explanation	Value of Base Instance	Length Type
	— Or, the file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.		
	R = Resource Stamp. For internal use only.		
	V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing		

Attribute Name	Explanation	Value of Base Instance	Length Type
	frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZUPDATE	**Client Instance Update Method** If an object (resource instance) has been updated by an administrator, this method will be executed.		50 M
ZUSERID	**Admin ID**		30 V

Class Defaults (METACLAS) Class

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

Table 104   METACLAS Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 105   DESKTOP Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
JITARGS	**Application Manager Arguments** Stores the arguments to be passed to the just-in-time executable.		255 V
JITLNK	**Application Manager Installation [Y/N]**		1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
JITPATH	**Application Manager Path** Stores the fully qualified name of the just-in-time executable. Should be a fully qualified path name with the drive and directory. If the directory name contains embedded spaces then the whole value should be in double quotes, e.g., `"c:\program files\HP\test.exe"`.		255 V
MACHUSER	**Machine User**		32 V
NAME	**Friendly Name**		80 V
VERIFY	**Verify [Y/E/N]**		1 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Create Link** 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		255 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	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.		
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 106   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
SCHEDOK	**Update Schedule Locally [Y/N]** Specifies whether the subscribers are allowed to change the update schedule for the service locally. **Y** = Subscriber is allowed to change the schedule. **N** = Configuration Server controls the update schedule.		1 V
SIZE	**Application Size - Uncompressed**		12 V
UPDDATE	**Upgrade Date (Programmatic)** Stores the date when the file was updated on the Configuration Server.		12 V
UPGDATE	**When Application was Upgraded** Stores the date when the application was last upgraded (in local time) on the agent computer. This value is set by the 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZAVIS	Available, Verified, Installed, Sync F The Agent manages and maintains this attribute to show the different states of the application in the Service List. **Y** = Yes **N** = No **X** = Unknown The four states are: • **Available** indicates whether a service is available from the Configuration Server. • **Verified** indicates whether a service has been verified. • **Installed** indicates whether the service has been installed. • **Synchronized** indicates whether the installed service has all of the latest changes from the Configuration Server.	YXNX	4 V
ZCREATE	**Service Installation Method** HPCA-supplied method or fully qualified, user-defined method.	50 M	
ZDELETE	**Service Delete Method** HPCA-supplied method or fully qualified, user-defined method.		50 M
ZINIT	**Service Initialization Method** A fully qualified, user-defined method.		50 M
ZSVCCONF	**Confirm Service Install [Y/N]** Enables you to confirm the service was downloaded.	N	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSVCCSTA	**Service Status on Client (999)** Service status code. **000** = All actions for service completed **008** = At least one resource had a writer error **014** = No disk space for at least one resource **015** = ZDLIMIT exceeded for at least one resource **024** = A method timed out **036** = A create method set ZBRC>7 **900** = Not all files were verified. No work done for service	999	3 V
ZSVCINST	**Service Installation Date/Time**		32 V
ZSVCMO	**Mandatory/Optional Service [M/O/MO/OM]** Indicates whether the service is mandatory or optional on the Agent. If you are using Application Manager *and* Application Self-service Manager, you could also specify mandatory and then optional, **MO**, or optional 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZSVCPRI	**Service Create Ordering [01-99]** Enables you to specify a priority level for this service. If disk space on the agent desktop is not available, services will be downloaded based on the priority level set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		2 V
ZSVCSEL	**Update Force Bypass Remove [U/F/B/R]** If ZSVCMO is optional, this attribute can be Update, Force, Remove, or Bypass. **U**pdate **F**orce **R**emove **B**ypass		1 V
ZSVCUPD	**Service Update Date/Time**		32 V
ZSVCVERS	**Version Activation Level** Version number of resources or service from the promotion process.		12 V
ZUPDATE	**Service Update Method** 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 107   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

Attribute Name	Explanation	Value of Base Instance	Length Type
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PVERSION	**Promote Version**	_UNDEF_	30 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key** Not used.	_UNDEF_	80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMMEM	**PDS Member Name** PDS where resource actually resides. PDS name where resource resides in Manager (MVS only).		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 V
ZRSCNAME	**Resource Name** Name or description of resource. Valid name of resource to distribute to client.	&ZRSCCFIL	30 V
ZRSCOBJN	**Persistent Object Name** The name of the in-storage object. Valid only when the ZLOCMGR location is STORAGE. A valid in-storage object name.		8 V
ZRSCPADM	**Admin ID**		30 V
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01 =** Highest priority **10 =** Default value **99 =** Lowest priority	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem and/or **H**idden		4 V

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRSTR	**Restart [Y/N/R]** Restart a download process at the point it was interrupted (Y), or resend the entire object (No). Set to (R) to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	N	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	Resource Source, **i.e., Publisher** Stores the source of the resource: • If resource was retrieved from 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both Client Automation- and non-HPCA distributed files. (For example, a Client Automation-managed application file or CONFIG.SYS file.) Thus, you must specify Y or N for an existing file to be distributed. **Y** = The file will be distributed if one or more of the following conditions is met: — The file has not been distributed before. — The date, time, or size of the file has changed. — The file was re-promoted. **N** = The file will be distributed if: — The file has not been distributed before. Or, — The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the EDMDATA subdirectory to its proper location.	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	Example: can be used to update `EDMGETRS.EXE`. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the CONFIGURATION SERVER is newer than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a `.dll` or `.exe` is involved and the date and time stamp are changing frequently. `Radconct.exe` checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection		

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

HTTP Proxy (HTTP) Class

File: PRIMARY   **Description:**

Domain: SOFTWARE

Class: HTTP

Icon: **Can connect to:**

Table 108   HTTP Class Attribute Reference

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

IBM AIX Packages (AIX) Class

File: PRIMARY **Description:** AIX operating systems only.

Domain: SOFTWARE This class is required by the Native Packaging Feature of the Batch Publisher.

Class: AIX

Icon: **Can connect to:**

Table 109 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

Attribute Name	Explanation	Value of Base Instance	Length Type
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PKGDESC	**Package Description**		80 V
PREREQ	**AIX Package Prerequisites**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 110   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

Attribute Name	Explanation	Value of Base Instance	Length Type
COMP4TXT	**Component 4 Description**		20 V
COMPPIC	**Components Picture (bmp)**	&(WELCPIC)	12 V
COPYRITE	**Copyright Text**	@Copyright 1998	30 V
EULAPIC	**EULA Picture (bmp)**	&(WELCPIC)	12 V
EULATEXT	**End User License Agreement Text**	This software is protected by copyright laws. By accepting, you are agreeing with all terms included in the original program documentation.	200 V
IDIRNAME	**Install Directory Name**		100 V
IDIRPIC	**Install Directory Picture (bmp)**	&(WELCPIC)	12
KEYFILE	**Search for File Name**		12 V
NAME	**Friendly Name**		80 V
OPTS1SEL	**Option 1 Selected [Y/N]**	Y	1 V
OPTS1TXT	**Option 1 Description**		20 V
OPTS2SEL	**Option 2 Selected [Y/N]**	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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

Table 111   RPM Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
PKGARCH	**RPM Package Architecture**		32 V
PKGEPOCH	**RPM Package EPOCH**		32 V
PKGNAME	**RPM Package Name**		32 V
PKGREL	**RPM Package Release**		32 V
PKGSUMM	**RPM Package Summary**		100 V
PKGVER	**RPM Package Version**		32 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
REQCMDS	**Requires Commands**		255 V
REQLIBS	**Requires Shared Libraries**		255 V
REQPKGS	**Requires Package**		255 V
VRFYOPTS	**Package Verify Options**		60 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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

Table 112   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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.
Domain:	SOFTWARE		An instance of the MACFILE Class defines a file, or a group of files, to include in an application service. An instance of this class lets you specify such characteristics about the file as the file's name, size, and date stamp.
Class:	MACFILE		
Icon:		**Can connect to:**	

Table 113   MACFILE Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** 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** f 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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N/R]** Y to restart. Set to **R** to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	Y	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each 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	Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	file to be distributed.		
	Y = The file will be distributed if one or more of the following conditions is met:		
	— The file has not been distributed before.		
	— The date, time, or size of the file has changed.		
	— The file was re-promoted.		
	N = The file will be distributed if:		
	— The file has not been distributed before. Or,		
	— The file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified		

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

Mobile File Resources (RMMFILE) Class

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

Table 114   RMMFILE Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.		255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]**	Y	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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 115   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 116   MSIFEATS Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 117   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 118   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCSIZE	**Resource Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e. Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V

ZRSCVRFY	**Verify Resource File on Connect**
	Verifies the file statistics of a resource file on the desktop during each agent connect process.
	If you are deploying versioned resources, this attribute is ignored.
	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.)
	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.
			8
			V

Attribute Name	Explanation	Value of Base Instance	Length Type
	N = The file will be distributed if: — The file has not been distributed before. Or, — The file was re-promoted. **E** = The file will be distributed only if it does not currently exist on the desktop. **M** = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE. **S =** This file is distributed if the file size has changed. **T =** The file is distributed if the file time has changed. **D =** File is distributed if the file date has changed. **L =** Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y. **U =** File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop. **R** = Resource Stamp. For internal use only.		

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

Panel Services (PANEL) Class

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

Table 119   PANEL Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCPRI	**Create Sequence Priority** Enables you to specify a priority level for this resource. If disk space on the client desktop is not available, resources will be downloaded based on the priority set here. **01** = Highest priority **10** = Default value **99** = Lowest priority		2 V
ZRSCRASH	**DOS File Attribute** Enables you to specify file attributes for a resource. **R**ead-only **A**rchive **S**ystem and/or **H**idden		4 V
ZRSCRSTR	**Restart [Y/N]** You can either restart a download process at the point it was interrupted (Yes), or resend the entire object (No).	N	3 V
ZRSCSIZE	**Panel Size** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSRC	**Resource Source**		1 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]** File format for file download: Binary, Text, or Object.	BINARY	8 V

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

ZRSCVRFY	**Verify Resource File on Connect**
	
	Verifies the file statistics of a resource file on the desktop during each agent connect process.
	
	If you are deploying versioned resources, this attribute is ignored.
	
	The rules for the E (exist) flag apply to both 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 was re-promoted.
	
	E = The file will be distributed only if it does not currently exist on the desktop.
		Y	1
			V

Attribute Name	Explanation	Value of Base Instance	Length Type
	M = Reserved for Client Automation maintenance files. During the last step of the agent connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the Configuration Server is newer than the date and time on the desktop.		
	R = Resource Stamp. For internal use only.		
	V = (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client		

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

Path (PATH) Class

File: PRIMARY

Domain: SOFTWARE

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: CATALOG, ZSERVICE

Table 120 PATH Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
DIR	**Directory** Stores the directory name where the application is installed. The directory name could be selected by the administrator, or it could be selected by the client during the dialog sessions that precede an application install. The value can be substituted from an agent object, or it can be a fully qualified name.		255 V
DRIVE	**Drive** Stores the drive where the application would be installed. The drive name could be selected by the administrator or it could be selected by the client during the dialog sessions that precede an application install. The value can be substituted from an agent object, or it can be a valid drive name on the Agent machine.		20 V
NAME	**Friendly Name**		255 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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 121 REGISTRY Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
LOCATION	**Location**		255 V
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCONTEXT	**Component Context**		8 V
ZCREATE	**Method to Install Resource** 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRSTR	**Restart [Y/N]**	N	1 V
ZRSCSIG	**File Signature**		32 v
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**File Type [BINARY/TEXT/EDMFILE]**	EDMFILE	8 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	Verify Resource File on Connect Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. 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.) 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	U	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	changed.		
	— The file was re-promoted.		
	N = The file will be distributed if:		
	— The file has not been distributed before. Or,		
	— The file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the Configuration Server is newer		

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

Replace Application (REPLACE) Class

File: PRIMARY **Description:**

Domain: SOFTWARE

Class: REPLACE

Icon: **Can connect to:**

Table 122   REPLACE Class Attribute Reference

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

Scheduling (TIMER) Class

File:	PRIMARY	**Description:**	Use the TIMER Class to schedule service deployments. Refer to the *HP Client Automation Application Manager and Application Self-service Manager Installation and Configuration Guide* for more information.
Domain:	SOFTWARE		
Class:	TIMER		
Icon:		**Can connect to:**	

Table 123   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**	_UNDEF_	32

Attribute Name	Explanation	Value of Base Instance	Length Type
	Object Global Unique Identification – *for future use.*		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	**Stop RCS Detection [Y/N]** Controls the automatic sensing of a network connection between the agent computer and the Configuration Server. An expired time will continually evaluate	Y	1 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	whether communications with the Configuration Server can be established. When communications are established, the command line associated with the time is executed. After executing the command line, the Scheduler service resumes normal evaluation of whether the timer has expired again. This attribute is especially useful for mobile users. **Note:** In order to use this attribute, you must add it to the TIMER Class template.		
ZOBJPRI	**Priority [00-99]** Sets the priority for deployment of the ZTIMEQ object. The ZTIMEQ object is deployed relative to the other elements being deployed during the agent connect. The elements with a priority number less than the value of ZOBJPRI are deployed before the ZTIMEQ object. A value of 90 is inherited from the base instance and should not be changed.	90	2 V
ZPRVNAME	**Provider (Manager) Name**	&(ZSERVICE .ZMGRNAME)	32 V
ZRSCCMDL	**Command Line to Execute** This attribute indicates the command line that is executed on the subscriber's computer when the timer expires.	radskman req=	255 V
ZSCHDEF	**Time Parameter** Indicates when the timer expires. The syntax varies depending on the frequency of expiration that can be DAILY, HOURLY, INTERVAL, NUMDAY, WEEKDAY, WEEKLY.		50 V
ZSCHFREQ	**Frequency [PERIODIC/ONCE/RANDOM]**	PERIODIC	10 V

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

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

Attribute Name	Explanation	Value of Base Instance	Length Type
	inherited from the base instance and should not be changed.		
ZVERIFY	**Client Verify Method**	radtimeq	80 M

SD Packages (SD) Class

File:	PRIMARY	**Description:**	The SD Class applies to the HP-UX operating system.
Domain:	SOFTWARE		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 *HP Configuration Management Batch Publisher Installation and Configuration Guide (Batch Publisher Guide)* for more information.
Class:	SD		

Icon: HP SD **Can connect to:**

Table 124   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

Attribute Name	Explanation	Value of Base Instance	Length Type
CONTENTS	**Required Packages Included in Tar**		255 V
COREQ	**Corequisites Required**		255 V
EXREQ	**Exrequisites**		255 V
FILEMD5	**File MD5 Signature**	_UNDEF_	32 V
INSTOPTS	**Package Install Options**		60 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
PREREQ	**Prerequisites Required**		255 V
RELYONDB	**Verify Error Code? [Y/N]**		1 V
ZCMPSIZE	**Compressed File Size** From promotion process if the compressed file option was selected. The size of the compressed file.		11 V
ZCREATE	**Method to Install Resource** Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to install software.	hide nvdkit method	60 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRSTR	**Restart [Y/N]**	Y	3 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V

ZRSCVRFY	**Verify Resource File on Connect**
	 Verifies the file statistics of a resource file on the desktop during each agent connect process.
	 If you are deploying versioned resources, this attribute is ignored.
	 The rules for the E(xist) flag apply to both HPC- and non-HPCA distributed files. (For example, a HPC-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
		Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	changed.		
	— The file was re-promoted.		
	N = The file will be distributed if:		
	— The file has not been distributed before. Or,		
	— The file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip decompression and dispatch the open error method (RADLKM). This is used for system dlls that must be replaced. Note that for the file to be verified during subsequent connects, you must also set this variable to Y.		
	U = File is distributed only if the date and time on the Configuration Server is newer		

Attribute Name	Explanation	Value of Base Instance	Length Type
	than the date and time on the desktop. **R =** Resource Stamp. For internal use only. **V =** (Windows only) Used in when normal date/time stamp check cannot be used. Usually when a .dll or .exe is involved and the date and time stamp are changing frequently. Radconct.exe checks the internal version number of the target file and compares it with the one that Client Automation has. If the incoming file has a higher internal version number than it will be placed on the desktop over the existing file. **P =** (Windows only) Set during packaging, enforces Windows System File Protection (SFP). If the verification is successful, the resource is in the desired state and no further verification is necessary. If the verification fails, Client Automation checks to see if System File Protection protects the file. If the file is protected, it will not be deployed. If the ZRSCVRFY attribute is set to P and deployment of this resource and the service are marked as failed due to SFP processing. If you do not enforce SFP, the file is marked as having passed verification.		
ZSTATUS	**Client Status**	999	3 V
ZUPDATE	**Client Instance Update Method** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to update software.	hide nvdkit method	60 V
ZVERIFY	**Method to Verify Resource** Uses method "Harness" call. The client side script (`sd.tcl` or `svr4.tcl`) contains a native command call to verify installed software.	hide nvdkit method	40 M

Solaris Patches (SOLPATCH) Class

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

Table 125   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

Attribute Name	Explanation	Value of Base Instance	Length Type
NAME	**Friendly Name**		80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

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

SVR4 Packages (SVR4) Class

File: PRIMARY   **Description:** The SVR4 Class applies to the Solaris operating system.

Domain: SOFTWARE

Class: SVR4

When you publish native UNIX software with Native Packaging, the depot containing native software in compressed format is promoted to the SVR4 Class, similar to the UNIXFILE Class. Refer to the *Batch Publisher Guide* for more information.

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

Table 126   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCFIL	**SVR4 Depot File Name** Specifies path to the file that is included in this instance. The file contains Solaris software.	_BASE_ INSTANCE_	255 V
ZRSCCKPT	**Resource Checkpoint**		1 V
ZRSCCONF	**Confirm File Download [Y/N]** Y enables you to confirm that the resource was downloaded.	Y	1 V
ZRSCCRC	**Resource CRC** From the promotion process if the CRC option was selected. Eight-character calculated hexadecimal value.		8 V
ZRSCCSTA	**Client File Status**	999	3 V
ZRSCDATE	**Resource Date Stamp** Date stamp on resource file from promote process.		8 V
ZRSCMO	**Mandatory/Optional [M/O]**	M	1 M
ZRSCNAME	**SVR4 Package Tag** Specifies a string that is used by native methods to identify software contained in the published depot. This is SVR4 package name.	_BASE_ INSTANCE_	255 V
ZRSCPADM	**Admin ID**		30 V

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

Attribute Name	Explanation	Value of Base Instance	Length Type
	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 does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the `EDMDATA` subdirectory to its proper location. Example: can be used to update `EDMGETRS.EXE`.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the		

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZUPDATE	**Client Instance Update Method** Uses method "Harness" call. The agent side script (sd.tcl or svr4.tcl) contains a native command call to update software.	hide nvdkit method	60 V
ZVERIFY	**Method to Verify Resource** Uses method "Harness" call. The client side script (sd.tcl or svr4.tcl) contains a native command call to verify installed software.	hide nvdkit method	40 M

TPM Configuration (TPMCFG) Class

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

Domain: SOFTWARE

Class: TPMCFG

Icon: **Can connect to:**

Table 127 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 128   UNIXFILE Class Attribute Reference

Attribute Name	Explanation	Value of Base Instance	Length Type
ALWAYS	**Connect to** Class connections determine the path of resolution of an agent's desired state. An _ALWAYS_ class connection is always resolved.		50 C
DIRPERMS	**Perms for newly created directories** Permissions assigned to newly created directories.		4 V
LOCATION	**Location**		255 V
NAME	**Friendly Name**	Defaults	80 V
OBJGUID	**Instance GUID** Object Global Unique Identification – *for future use.*	_UNDEF_	32 V
SIGTYPE	**File Signature Type**		3 V
ZCMPKEY	**Compression Key**		80 V

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCCFIL	**Resource File Name** Specific file to be distributed. A generic pattern (a wildcard character, such as *) or an explicit filename.	_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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCRASH	**File Permissions**		4 V
ZRSCRSTR	**Restart [Y/N/R]** Y to restart. Set to **R** to bypass Windows file caching and write directly to disk (allowing checkpoint restart to operate correctly).	Y	3 V
ZRSCSIG	**File Signature**		32 V
ZRSCSIZE	**Resource Size – From Promote** Byte count of resource file from promote process.		11 V
ZRSCSRC	**Resource Source, i.e., Publisher**		20 V
ZRSCSTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCSVRB	**Version Skip Rebuild Flag [Y/N]**		1 V
ZRSCTIME	**Resource Time Stamp – From Promote** Time stamp on resource file from promote process.		8 V
ZRSCVERS	**Resource Version - From Promote** Version number of resource from promotion process.		12 V
ZRSCVRFY	**Verify Resource File on Connect** Verifies the file statistics of a resource file on the desktop during each agent connect process. If you are deploying versioned resources, this attribute is ignored. The rules for the E(xist) flag apply to both HPCA - and non-HPCA distributed files. (For example, a HPCA -managed application file or CONFIG.SYS file.)	Y	8 V

Attribute Name	Explanation	Value of Base Instance	Length Type
	Thus, you must specify Y or N for an existing file to be distributed.		
	Y = The file will be distributed if one or more of the following conditions is met:		
	— The file has not been distributed before.		
	— The date, time, or size of the file has changed.		
	— The file was re-promoted.		
	N = The file will be distributed if:		
	— The file has not been distributed before. Or,		
	— The file was re-promoted.		
	E = The file will be distributed only if it does not currently exist on the desktop.		
	M = Reserved for Client Automation maintenance files. During the last step of the connect, the file is moved from the EDMDATA subdirectory to its proper location. Example: can be used to update EDMGETRS.EXE.		
	S = This file is distributed if the file size has changed.		
	T = The file is distributed if the file time has changed.		
	D = File is distributed if the file date has changed.		
	L = Forces the lock method to be used. The file will be automatically queued up to be deployed on restart, and the reboot flag will be set. If the L flag is not specified, and the file to be deployed is currently in use (locked) the lock method is automatically used anyway. What the L flag does is force the lock method to be always used to deploy this file, whether or not it is currently in use (locked). The L flag will also skip		

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

Version Groups (VGROUP) Class

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

Icon: **Can connect to:**

Table 129   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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

Attribute Name	Explanation	Value of Base Instance	Length Type
VERCON01 to VERCON05	**Version Connection** Connects to each version in the version group. Each VERCON0*n* attribute contains a connection to one instance of the VERSION Class. This is set when you assign a version to the version group in the Version Group Editor.		50 C
ZSTOP001 to ZSTOP003	**Stop Resolution Expression** Expressions evaluating to "true" in ZSTOP attributes cause resolution of the instance to be skipped. If left blank, the instance is not skipped, and resolution continues. This is useful for assigning a version to a specific set of users. Use the CSDB Editor to set this attribute.		255 E

Versions (VERSION) Class

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

Icon: **Can connect to:**

Table 130   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 131   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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZRSCDATE	**Resource Date Stamp – From Promote**		8 V
ZRSCNAME	**Resource Name**	&ZRSCCFIL	30 V
ZRSCPRI	**Create Sequence Priority**	50	2 V
ZRSCRASH	**DOS File Attribute [R/A/S/H]**		4 V
ZRSCSIZE	**Resource Size – From Promote**		11 V
ZRSCTYP	**Server File Type [BINARY/TEXT]**	BINARY	8 V
ZRSCTIME	**Resource Time Stamp – From Promote**		8 V
ZRSCVRFY	**Verify Resource Files on Connect**	Y	8 V
ZSTOP000	**Stop Expression**	/(EDMGETV(ZCONFIG.WTSSRVR='Y'))	50 E

WTS Control (WTSCTRL) Class

File: PRIMARY

Domain: SOFTWARE

Class: WTSCTRL

Icon:

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.

Can connect to:

Table 132 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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 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
Domain: SYSTEM   customized command. Use an
                                            instance here for Drag-and-Drop
Class: ZCOMMAND   Notify.

Icon: **Can connect to:**

Table 133   ZCOMMAND Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
ZCMDUCLS	**USER Class Name** USER Class name. This is the name of the class in which to look for users connected to the dropee. For example, if the value is set to COMPUTERS and the dropee is WORKGRP.ACCOUNTING, instances of the COMPUTERS Class that are members of WORKGRP.ACCOUNTING will be the selected audience for the notification. If ZCMDUCLS is not specified, then (using the above example) the audience will be created by instances of the COMPUTERS Class that are members of WORKGRP.ACCOUNTING. The default for ZCMDUCLS is USER.	USER	8 V

Consoles (ZCONSOLE) Class

File: PRIMARY **Description:** Reserved for future use.

Domain: SYSTEM

Class: ZCONSOLE

Icon: **Can connect to:**

Table 134 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 135   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

Icon: **Can connect to:**

Table 136   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 137   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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 138   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 139   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 140   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 141   SQLTABLE Class Attribute Reference

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

Attribute Name	Explanation	Value of Base Instance	Length Type
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 142 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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