

HP OpenView Distributed Configuration Server Using Radia

for the HP-UX, Linux, Solaris, and Windows operating systems

Software Version: 4.7.1

Migration Guide

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Documentation Updates

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

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

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Migrating to Version 4.7.1 of the HP OpenView Distributed Configuration Server Using Radia

Version 4.7.1 Migration Considerations



A resource re-timestamping issue was discovered in version 4.7.1.

HP recommends viewing the product documentation and Release Notes before proceeding with this migration. To access these documents, visit http://ovweb.external.hp.com/lpe/doc_serv/.

Version 4.7.1 of the HP OpenView Distributed Configuration Server Using Radia (Distributed Configuration Server) is supported on the following platforms *only*:

- HP-UX
- Linux



For additional Linux-specific information, see the section *Configuring a Synchronization to a Linux Destination Configuration Server*, on page 6.

- Solaris
- Windows

Therefore, this version of the Distributed Configuration Server *cannot* be used if your HP OpenView Using Radia environment:

- Has servers on any other platforms (such as AIX), or
- Is a mixed-server environment that includes AIX.

Version 4.6 of the Distributed Configuration Server must be used.

Implementation Information

For complete information on implementing and using the Distributed Configuration Server, version 4.7.1, refer to the *Installation and Configuration Guide for the HP OpenView Distributed Configuration Server Using Radia*.

Version Synchronicity

It is possible to continue performing synchronizations while migrating Distributed Configuration Server agents from version 4.6 to version 4.7.1. Distributed Configuration Server agents at both of these product levels can simultaneously connect to, and synchronize with, the same Radia database.



The previously noted AIX limitations are applicable in this situation as well—Distributed Configuration Server, version 4.7.1 agents work with HP-UX, Linux, Solaris, and Windows servers *only*.

Configuring a Synchronization to a Linux Destination Configuration Server

There is no graphical user interface (GUI) for Distributed Configuration Server when it is installed in a Linux environment, so any changes to its configuration must be done via the client object editor, `radobjed`.

- ▶ For additional configuration information about the variables that are discussed in this section, and how to properly configure them for a Distributed Configuration Server synchronization, refer to the *Installation and Configuration Guide for the HP OpenView Distributed Configuration Server Using Radia*.

The primary configuration variables (ZDSTMGID, ZSRCMGID, and ZDOMAINS) are specified during the installation, so their values need to be changed only to specify a different Source or Destination Configuration Server, or to change the domain selection. (The only valid host address for the Destination Configuration Server is **localhost**.)

The tables in this section detail the values of the Distributed Configuration Server ZMANAGER (Table 1) and ZMGRSYNC (Table 2) object variables.

- ▶ ZMANAGER and ZMGRSYNC are Radia configuration objects that are created at installation. ZMGRSYNC is a single-heap object that contains global configuration information. ZMANAGER contains one heap per Configuration Server with configuration information for that Configuration Server.

A synchronization involves two Configuration Servers, so the ZMANAGER object must contain at least two heaps. Additional Configuration Servers can also be defined, but only the two Configuration Servers that are referenced by ZMGRSYNC.ZSRCMGID and ZMGRSYNC.ZDSTMGID will be used.

Table 1 ZMANAGER Variables

Variable	Description
ZMGRID	Specify a three-character, hexadecimal ID for the Configuration Server. This must match the <code>edmprof</code> file value of <code>MGR_SETUP.MGR_ID</code> for the selected Configuration Server. Note: Valid values are within the hexadecimal (0-9 and A-F) range of 001 to EFF .
ZMGRNAME	Specify an alphanumeric (255 characters maximum) Configuration Server description that will readily identify this Configuration Server. For example, Server_East_001 .
ZTIMEO	Specify a timeout (in seconds) for how long Distributed Configuration Server is to wait to complete a task before timing out. Note: This value should match or exceed the value of <code>MGR_DMA.DMA_TIMEOUT</code> in the <code>edmprof</code> file of this Configuration Server.
ZTCPADDR	Specify the IP name, IP address, or URL of this Configuration Server's host.
ZTCPPOINT	Specify the IP port of this Configuration Server.

Table 2: ZMGRSYNC Variables

Variable	Description
ZDSTMGID	<p>Specify the three-character, hexadecimal ID of the Configuration Server that will be the Destination in this synchronization. This value must match the <code>edmprof</code> file value of <code>MGR_SETUP.MGR_ID</code> for the selected Destination Configuration Server.</p> <p>Notes:</p> <ul style="list-style-type: none"> Valid values are within the hexadecimal (0-9 and A-F) range of 001 to EFF. This value was established during the Distributed Configuration Server installation; it should be updated only if a different Configuration Server is to be used as the Destination.
ZSRCMGID	<p>Specify the three-character, hexadecimal ID of the Configuration Server that will be the Source in this synchronization. This value must match the <code>edmprof</code> file value of <code>MGR_SETUP.MGR_ID</code> for the selected Source Configuration Server.</p> <p>Notes:</p> <ul style="list-style-type: none"> Valid values are within the hexadecimal (0-9 and A-F) range of 001 to EFF. This value was specified during the Distributed Configuration Server installation; it should be updated only if a different Configuration Server is to be used as the Source.
ZDOMAINS	<p>Specify the domains that are to be synchronized.</p> <p>Notes:</p> <ul style="list-style-type: none"> If specifying multiple domains, separate them with a blank space. The domains were established during the Distributed Configuration Server installation. This variable should be updated only if a different set of domains is to be synchronized.
BATRESET	<p>This “reset session on failure” options specifies whether to, if a synchronization fails, reset it to its initial status. Set to 1 to enable; set to 0 to disable (0 is the default).</p> <p>Notes: Typically, if synchronization fails during staging, it is left in a state that ensures that it can subsequently be restarted from the point of failure; this means leaving both Configuration Servers locked. If doing so is not acceptable, this option allows the session to be reset to the initial state, and immediately unlocks both Configuration Servers, releasing staged resources.</p>
BATLOKTO	<p>This “batch lock timeout action” options specifies what to do in the event of a batch-lock timeout. Specify one of the options (X, R, or F) as defined in this table.</p> <p>Note: A batch-lock timeout occurs when active, non-Distributed Configuration Server tasks running on the Destination Configuration Server prevent Distributed Configuration Server from achieving a hard-lock at the Commit step.</p>
Fail	<p>X – (Fail)</p> <p>Cancel the current database-lock attempt and report a <code>BATCHRC=003</code>.</p> <p>Note: This is the default.</p>

Variable	Description
Retry Indefinitely	R – (Retry) Continue retrying until a database hard-lock is obtained.
Kill Other Tasks	F – (Force) Terminate all non-Distributed Configuration Server tasks that are running, obtain the hard-lock, and continue processing.
REPORT	Use this variable to enable and disable status reporting. Set to 1 to enable; set to 0 to disable (0 is the default). This allows Distributed Configuration Server to send, at several processing points, a DMASTATS object to the Source Configuration Server. This object contains data about the state and configuration of Distributed Configuration Server.
REPTNAME	Use this variable to set an identifying name for this report. <ul style="list-style-type: none"> • A 32-character (maximum) alphanumeric name. Names that are longer than 32 characters will be truncated. • Only US national characters, such as @, \$, #, and _ are allowed. • If no value is specified, the default, <generate default>, will be used. <p>Note: For more information on this variable, refer to the <i>Installation and Configuration Guide for the HP OpenView Distributed Configuration Server Using Radia</i>.</p>
ZUSERID	Specify a user name for use with PUTPROF method. Note: For more information on this variable, refer to the <i>Installation and Configuration Guide for the HP OpenView Distributed Configuration Server Using Radia</i> .