

HPSA Extension Pack

Migration guide

Release V6.0



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Table of Contents

1 Introduction	10
1.1 Definitions	10
1.1.1 Acronyms	Error! Bookmark not defined.
2 Prerequisites	11
3 Software installation	12
4 Migration tasks	13
4.1 Database	13
4.2 Configuration files	13
4.3 SOSA	13
4.4 ECP	13
4.5 Solution Container	14

Support

Support for the HP Service Activator Extension Pack product is available on the following mailing list:

hpsa-support@hp.com

In This Guide

This document describes how to migrate an HPSA Extension Pack installation from version 5.1 to 6.0.

Audience

The audience for this guide is the Solutions Integrator (SI). The SI has a combination of some or all of the following capabilities:

Understands and has a solid working knowledge of:

- UNIX® commands
- Windows® system administration

Understands networking concepts and language

Is able to program in Java™ and XML

Understands security issues

Understands the customer's problem domain

Conventions

The following typographical conventions are used in this guide.

Font	What the Font Represents	Example
<i>Italic</i>	Book or manual titles, and man page names	Refer to the document <i>HP Service Activator — Workflows and the Workflow Manager</i> and the <i>Javadocs</i> man page for more information.
	Provides emphasis	You <i>must</i> follow these steps.
	Specifies a variable that you must supply when entering a command	Run the command: InventoryBuilder <sourceFiles>
	Parameters to a method	The <i>assigned_criteria</i> parameter returns an ACSE response.
Bold	New terms	The distinguishing attribute of this class...
Computer	Text and items on the computer screen	The system replies: Press Enter
	Command names	Use the InventoryBuilder command ...
	Method names	The get_all_replies() method does the following...
	File and directory names	Edit the file \$ACTIVATOR_ETC/config/mwfm.xml
	Process names	Check to see if mwfm is running.
	Window/dialog box names	In the Test and Track dialog...
	XML tag references	Use the <DBTable> tag to...
Computer Bold	Text that you must type	At the prompt, type: ls -l
Keycap	Keyboard keys	Press Return .
[Button]	Buttons on the user interface	Click [Delete]. Click the [Apply] button.

Font	What the Font Represents	Example
Menu Items	A menu name followed by a colon (:) means that you select the menu, then the item. When the item is followed by an arrow (->), a cascading menu follows	Select Locate:Objects->by Comment.

Install Location Descriptors

The following names are used throughout this guide to define install locations.

Descriptor	What the Descriptor Represents
\$ACTIVATOR_OPT	<p>The install base location of Service Activator.</p> <p>The UNIX location is /opt/OV/ServiceActivator</p> <p>The Windows location is</p> <p><drive>:\HP\OpenView\ServiceActivator\</p>
\$ACTIVATOR_ETC	<p>The install location of specific Service Activator configuration files.</p> <p>The UNIX location is /etc/opt/OV/ServiceActivator</p> <p>The Windows location is</p> <p><drive>:\HP\OpenView\ServiceActivator\etc\</p>
\$ACTIVATOR_VAR	<p>The install location of specific Service Activator logging files.</p> <p>The UNIX location is /var/opt/OV/ServiceActivator</p> <p>The Windows location is</p> <p><drive>:\HP\OpenView\ServiceActivator\var\</p>
\$ACTIVATOR_BIN	<p>The install location of specific Service Activator binary files.</p> <p>The UNIX location is /opt/OV/ServiceActivator/bin</p> <p>The Windows location is</p> <p><drive>:\HP\OpenView\ServiceActivator\bin\</p>
\$JBOSS_HOME	<p>HOME The install location for JBoss.</p> <p>The UNIX location is /opt/HP/jboss</p> <p>The Windows location is</p> <p><drive>:\HP\jboss</p>
\$JBOSS_DEPLOY	<p>The install location of the Service Activator JEE components.</p> <p>The UNIX location is</p> <p>/opt/HP/jboss/standalone/deployments</p> <p>The Windows location is</p> <p><drive>:\HP\jboss\standalone\deployments</p>
\$ACTIVATOR_DB_USER	<p>The database user name you define.</p> <p>Suggestion: ovactivator</p>
\$ACTIVATOR_SSH_USER	<p>The Secure Shell user name you define.</p> <p>Suggestion: ovactusr</p>

<p>\$SOSA_HOME</p>	<p>The install base location of SOSA.</p> <p>The default UNIX location is /opt/OV/ServiceActivator/EP/SOSA</p> <p>The default Windows location is <drive>:\HP\OpenView\ServiceActivator\EP\SOSA\</p>
<p>\$SOSA_BIN</p>	<p>The install location of specific SOSA binary files.</p> <p>The default UNIX location is /opt/OV/ServiceActivator/EP/SOSA/bin</p> <p>The default Windows location is <drive>:\HP\OpenView\ServiceActivator\EP\SOSA\bin\</p>
<p>\$SOSA_ETC</p>	<p>The install location of specific SOSA configuration files.</p> <p>The default UNIX location is /opt/OV/ServiceActivator/EP/SOSA/config</p> <p>The default Windows location is <drive>:\HP\OpenView\ServiceActivator\EP\SOSA\config\</p>
<p>\$ECP_HOME</p>	<p>The install base location of Equipment Connections Pool.</p> <p>The default UNIX location is /opt/OV/ServiceActivator/EP/ECP</p> <p>The default Windows location is <drive>:\HP\OpenView\ServiceActivator\EP\ECP\</p>
<p>\$ECP_BIN</p>	<p>The install location of specific Equipment Connections Pool binary files.</p> <p>The default UNIX location is /opt/OV/ServiceActivator/EP/ECP/bin</p> <p>The default Windows location is <drive>:\HP\OpenView\ServiceActivator\EP\ECP\bin\</p>
<p>\$ECP_ETC</p>	<p>The install location of specific Equipment Connections Pool configuration files.</p> <p>The default UNIX location is /opt/OV/ServiceActivator/EP/ECP/conf</p> <p>The default Windows location is <drive>:\HP\OpenView\ServiceActivator\EP\ECP\conf\</p>

1 Introduction

1.1 Definitions

1.1.1 Acronyms

HPSA: HP Service Activator

ECP: Equipment Connection Pool

EP: Extension Pack

SC: Solution Container

SOSA: Service Order Smart Adapter

2 Prerequisites

Before starting the migration process, please ensure that you have installed hotfix EP51-9 or later. Otherwise, the database migration script will fail.

3 Software installation

HP Service Activator 6.0 and the HPSA Extension Pack 6.0 have to be installed as a new clean installation; they cannot be installed on top of an existing installation. Please, check the Installation Guide of both products for more information on how to install these products.

Once you have finished installing the products you should read the HP Service Activator Migration Guide and adapt the customizations you made for HP Service Activator 5.1 so that they become compatible with HP Service Activator 6.0. Once you have finished this step, you should follow the guidelines in this document to make your customizations compatible with the HPSA Extension Pack 6.0.

4 Migration tasks

4.1 Database

In order to preserve the database from the HPSA Extension Pack version 5.1, you need to follow these instructions:

- Do not create the database in the installation process. Remember that you must provide the correct database information regardless of whether or not you wish to create the database.
- Execute the migration script located in `$ACTIVATOR_OPT/migration/EP_migration.sql` after you have installed the HPSA Extension Pack version 6.0.

4.2 Configuration files

Some minor changes have to be done in the configuration files of the ECP / LockManager and SOSA applications:

- Now all the passwords provided in the configuration files must be encrypted with the utility *crypt* provided with HP Service Activator in the `$ACTIVATOR_OPT/bin` directory.
- Now all database URLs must no longer be split into different parameters (hostname, port, etc.) as was allowed in version 5.1.

4.3 SOSA

As for SOSA, you need to be aware of the following changes:

- The library directories have been unified into a single directory, `$SOSA_HOME/lib`. This is also where you need to place custom libraries.
- The previous hibernate XML files that were located in the `$SOSA_HOME/config/hibernate` and `$ACTIVATOR_ETC/config/sosa/hibernate` directories are now packed in the file `$JBOSS_DEPLOY/hpsa.ear/lib/sosa-hibernate.jar`.

4.4 ECP

As for ECP, you need to have the following changes in mind:

- Now the equipment drivers must be placed in the `$ECP_HOME/lib/drivers` directory.
- The files `SshDriver.properties`, `TcpDriver.properties` and `TelnetDriver.properties` now are placed in the `$ECP_HOME/conf` directory.

4.5 Solution Container

In the HP Extension Pack version 5.1, the custom datasources were defined in the `$JBOSS_HOME/diagnostic/deploy` in different XML files, such as `futuregui-ds.xml`. Now this has changed and the way to define custom datasources is by referencing them in an `alias.xml` file. Please read Section 19.12 in the Developer's Reference for more information on this topic.

These datasources will *not* be available in the Inventory UI since it is part of HPSA, not the Extension Pack. If you need to define a datasource to be accessible from the Inventory UI you must add it to the `standalone.xml` file located in the `$JBOSS_HOME/standalone/configuration` directory.