

HPSA Extension Pack

Introduction guide - User Reference

Release v.5.1



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Support

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

hpsa-support@hp.com

In This Guide

This document provides a brief introduction to the different modules and tools provided with the HPSA Extension Pack.

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

References

Manual Organization

This guide contains the following chapters:

Chapter 1, "Introduction", provides a brief explanation about the purpose, the scope and the definitions involved in this document.

Chapter 2, "General description", provides a wide description of the tool this document is focused on.

Chapter 3, "Modules", provides a brief description of the modules provided with the HPSA Extension Pack.

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 <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: <code>InventoryBuilder <sourceFiles></code> |
| | Parameters to a method | The <i>assigned_criteria</i> parameter returns an ACSE response. |
| Bold | New terms | The distinguishing attribute of this class... |
| <code>Computer</code> | Text and items on the computer screen | The system replies: <code>Press Enter</code> |
| | Command names | Use the <code>InventoryBuilder</code> command ... |
| | Method names | The <code>get_all_replies()</code> method does the following... |
| | File and directory names | Edit the file <code>\$ACTIVATOR_ETC/config/mwfm.xml</code> |
| | Process names | Check to see if <code>mwfm</code> is running. |
| | Window/dialog box names | In the <code>Test and Track</code> dialog... |
| | XML tag references | Use the <code><DBTable></code> tag to... |
| Computer Bold | Text that you must type | At the prompt, type: <code>ls -l</code> |
| Keycap | Keyboard keys | Press Return . |
| [Button] | Buttons on the user interface | Click [Delete]. Click the [Apply] button. |
| 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 <code>Locate:Objects->by Comment</code> . |

Install Location Descriptors

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

| Descriptor | What the Descriptor Represents |
|-------------------------|--|
| \$ACTIVATOR_OPT | The install base location of Service Activator. The UNIX location is /opt/OV/ServiceActivator The Windows location is <drive>:\HP\OpenView\ServiceActivator\ |
| \$ACTIVATOR_ETC | The install location of specific Service Activator configuration files. The UNIX location is /etc/opt/OV/ServiceActivator The Windows location is <drive>:\HP\OpenView\ServiceActivator\etc\ |
| \$ACTIVATOR_VAR | The install location of specific Service Activator logging files. The UNIX location is /var/opt/OV/ServiceActivator The Windows location is <drive>:\HP\OpenView\ServiceActivator\var\ |
| \$ACTIVATOR_BIN | The install location of specific Service Activator binary files. The UNIX location is /opt/OV/ServiceActivator/bin The Windows location is <drive>:\HP\OpenView\ServiceActivator\bin\ |
| \$ACTIVATOR_THIRD_PARTY | The location for new Java components such as workflow nodes and modules. Third-party libraries can also be placed in this directory. The UNIX location is /opt/OV/ServiceActivator/3rd-party The Windows location is <drive>:\HP\OpenView\ServiceActivator\3rd-party\ Customized inventory files are stored in the following locations: UNIX: \$ACTIVATOR_THIRD_PARTY/inventory Windows: \$ACTIVATOR_THIRD_PARTY\inventory |
| \$JBOSS_HOME | HOME The install location for JBoss. The UNIX location is /opt/HP/jboss The Windows location is <drive>:\HP\jboss |
| \$JBOSS_DEPLOY | The install location of the Service Activator J2EE components. The UNIX location is /opt/HP/jboss/server/default/deploy |

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

1 Introduction

1.1 Purpose

This document is an introduction to the Extension Pack and all the modules provided with it.

1.2 Document Scope

This document is focused on the different tools provided with the EP, giving a brief description of them.

1.3 Definitions

1.3.1 Acronyms

MWFM: Micro Work Flow Manager

HPSA: HP Service Activator

EP: Extension Pack

SC: Solution Container

ECP: Equipment Connection Pool

SOSA: Service Order Smart Adapter

2 General description

This document is a presentation for the EP.

3 Modules

The modules included in the EP are:

3.1 Solution Container

3.1.1 Description

The Solution Container is an application environment for applications that interact with HP Service Activator and which adopt certain design strategies that allow a modular and phased development.

3.1.2 Documentation

For more information consult the **OVSA SPI for Service Providers – Solution Container – User Reference**.

3.2 Lock Manager

3.2.1 Description

Lock Manager is the service in charge of the distributed management of the active locks in the HPSA. This allows locking common objects from several systems, as they are all being managed by one and the same individual system.

3.2.2 Documentation

For more information consult the **HPSA Extension Pack – LockManager – User Reference** and the **HPSA Extension Pack – LockManagerWeb – User Reference**.

3.3 SOSA version 3

3.3.1 Description

Service Order Smart Adapter (SOSA) is a flexible adapter to manage the influx of Service Orders, which are aimed at the transactional activation engine called Service Activator. In this way, SOSA provides additional features for the treatment of these requests compared to a traditional system.

3.3.2 Documentation

For more information consult the **HPSA Extension Pack – Sosa3 – User Reference**.

3.4 Equipment connection pool

3.4.1 Description

The primal task of the Equipment connection pool is the management of Activations as atomic operations. This can be accomplished by providing a connection manager, a protocol independence and a connected target (equipment) independence.

3.4.2 Documentation

For more information consult the **HPSA Extension Pack – ECP – User Reference**.