HP Server Automation
Standard Edition

Software Version: 10.0

SAVA at a Glance

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Product Editions

There are two editions of Server Automation:

- Server Automation (SA) is the Enterprise Edition of Server Automation. For information about Server Automation, see the SA Release Notes and the SA User Guide: Server Automation.

- Server Automation Virtual Appliance (SAVA) is the Standard Edition of Server Automation. For more information about what SAVA includes, see the SAVA Release Notes and the SAVA at a Glance Guide.

SAVA at a Glance

About SAVA

This *SAVA at a Glance* guide provides information about the differences between SA and SAVA and the features supported in SAVA.

Server Automation has two editions:

- Server Automation (SA) is the Enterprise Edition of Server Automation. For information about Server Automation, see the *SA Release Notes, SA User Guide: Server Automation, SA User Guide: Overview and Architecture,* and *SA Software Discovery Reference Guide*.

- Server Automation Virtual Appliance (SAVA) is the Standard Edition of Server Automation. For more information about what SAVA includes, see the *SAVA Release Notes*.

SAVA is a virtual appliance used to provision and manage servers. It is a single SA core, single-slice-component bundle version of enterprise-level SA running within a virtual appliance. SAVA supports a selected set of SA management capabilities, including OS deployment using OS build plans, server patching, software management, application configuration, audit and compliance, virtualization management, and more.

SAVA Architecture

Figure 1 provides an overview of SAVA architecture, illustrating how SAVA networking, media server, target servers, and an optional HP matrix operating environment work together.

Figure 1 SAVA Architecture
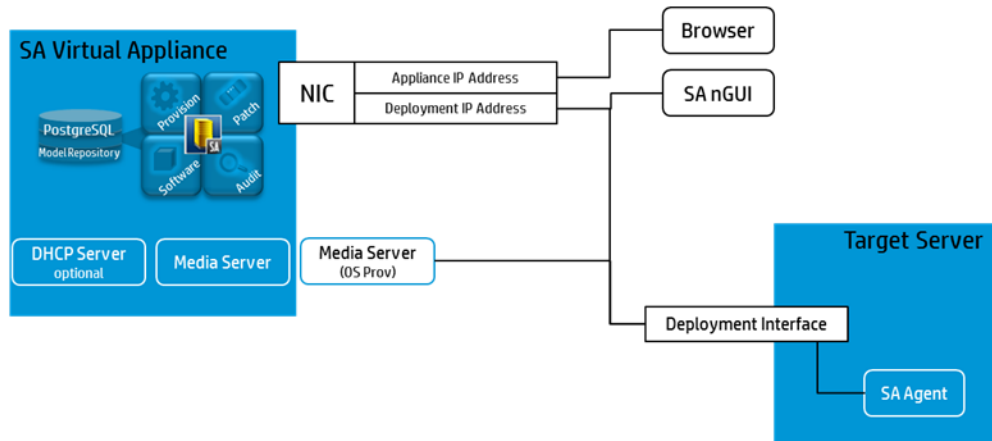
- **SAVA** is the Appliance, delivered as a virtual machine optimized to run SA.

- SAVA includes an embedded **SA DHCP** server. Depending on your environment, you may configure this server for use or disable it by using the appliance UI Settings screen.

- **Appliance IP** is the IP address you assign to the virtual appliance. Use this IP address to browse to the appliance using a supported Browser.

- **Deployment IP** is the IP address you assign to access the SA interface using a browser. It is used to communicate with a Target server's Deployment interface IP address and its iLO IP address. Deployment IP address should be on the same network as Appliance IP address.

- **Target** server represents a server managed by SAVA. Each managed server runs an SA Agent, which is intelligent software that handles communication between the SA Core and a managed server and performs actions on the managed server.

- **Agent** is used for software installation and removal, software and hardware configuration, and server status reporting and communication with the SA Core.

- **OS Media Server** contains vendor-supplied OS media used during OS provisioning. It may also contain media for other purposes, such as firmware and driver updates, and is also where captured images are stored.

  The OS Media Server is a separate server from the SAVA appliance and is not backed up when you back up the appliance.

  The media for other SA features, such as Software Management, patching, and others, is stored inside the appliance.

SAVA-Specific SA Configuration Tasks

This section provides information about SAVA-specific tasks you may need to perform after SAVA installation.

IMPORTANT: Before powering on SAVA, verify the date and time are set properly on your VM host system. Be sure to maintain an accurate time on the host system, such as with NTP, because the VM guest will synchronize with that time.

HP Live Network connector

HP Live Network (HPLN) connector (LNc) is installed with SA. See the *Live Network connector Users Guide* on the HP Live Network for more information.

Agent Installation

For Agent Installer instructions, see the *User Guide: Server Automation*.

SA Agent Installation - Protocols

Accessing servers for deployment through the Rlogin protocol is not supported in SAVA.

SAVA Command-line Utilities APXs

> ► **Note:** Command-line procedures are not supported in SAVA. SA command-line procedures and their examples shown in the SA documentation will not work in SAVA.

SAVA has two command-line utilities APXs in the list of web APXs:

- Command-line Web Utilities—This APX is used instead of console command-line access, which SAVA does not support. You can invoke this APX using the SA Client.
- Command-line Logging Utility—The Command-line Logging Utility APX is used for modifying configuration files and viewing log files that are associated with operations that run in the Command-line Web Utilities Launcher.

For more information on APXs, see the *SA User Guide: Server Automation*.

Edit Filter

You have the option to edit filters under the Content Baseline Tool Export utility. Just as some command line utilities have the `Edit Config` command for editing configuration parameters, the `cbt export` command includes an extra step for editing filter files that are in rdf format. Use the `-f` command to locate these files.

For more information, see the *SAVA Command-line Utilities APXs* technical white paper.

Managed Platform Support

SAVA supports only 64-bit platforms and does not support desktop versions of any supported platform.

For complete support and compatibility information, see the support matrix for the relevant product release. All support matrices and product manuals are available here on the HP Software Support Online website:

http://h20230.www2.hp.com/sc/support_matrices.jsp

Features Not Supported In SAVA

The following SA features are not supported in SAVA:

- APX development
- Bandwidth Configuration Management (bandwidth throttling)
- Business Service Automation Essentials (BSAE) reports for SA
- Console access through SSH login
- Deployment automation
- Delegated authentication
- Multicore mesh
- Network Automation
- SA Client reports
- Software discovery server module
- Server Storage Integration (SSI)

SAVA Patching

➤ SAVA Command-line Utilities APXs are required to perform some SA Patching activities, such as importing the HPLN Microsoft Patch Supplement from the HP Live Network. See the "SAVA Command-line Utilities APXs" white paper for details and instructions on running APXs.

☑ To run the command-line APXs, you must belong to the Command-line Group user group and have Read, Write, and Execute permissions in the Administrative Extensions folder where the APXs are stored. See SAVA Command-line Utilities APXs on page 8 in this guide for more information.

- SAVA does not support private patches from Microsoft.
- By default, SAVA supports the Microsoft Products listed in Table 2. Other products can be added by the customer depending on their managed server needs.

Table 1   SAVA Patching - Supported Platforms

Platform	Comments
Internet Security and Acceleration Server 2004	Fully supported
Microsoft Office 2003	Fully supported
Microsoft Visual Studio 2005	Fully supported
Microsoft Visual Studio 2008	Fully supported
Microsoft Visual Studio 2010	Fully supported
Windows Exchange Server 2000	Fully supported
Windows Exchange Server 2003	Fully supported
Windows Server 2008	x86_64 only
Windows Server 2008 R2 x64	x86_64 only
Windows Server 2012	x86_64 only

OS Provisioning

- All OS Build Plan features are supported in SAVA.
- Build plans support VM targets.
- SAVA does not support OS sequences.

For more information, see the *SA User Guide: OS Provisioning*.

Virtualization

- SAVA supports VMware vCenter and Microsoft's System Center Virtual Machine Manager (SCVMM).
- SAVA supports VM Lifecycle Management features:
  - Create VM with OS Build Plan
  - Modify VM
  - Migrate VM
  - Clone VM (VMware only)
  - Deploy VM from VM Template
  - Power Controls
  - Delete VM
- SAVA supports VM Template Lifecycle Management features:
  - Convert VM to VM Template
  - Delete VM Template
- SAVA does not support Oracle Solaris Zones.

Information Resources

This section provides information about SA documentation that you will find useful for SAVA, as well as SAVA-specific documentation.

SA Documentation

For a list of HP Server Automation Release 10.0 documentation, see the SAVA Release Notes.

SAVA Documentation

To download the most recent edition of the SAVA documentation, go to:

http://support.openview.hp.com/selfsolve/manuals

Here is a list of available SAVA-specific documentation:

- *SAVA at a Glance*—Differences between SAVA and SA and the features supported in SAVA.
- SAVA Doc Index—Index of documents for SAVA with download links for easy access.
- *SAVA Installation and Administration*—How to install and administer the virtual appliance.
- SAVA Matrix—Supported platforms for SAVA.
- SAVA Release Notes—Known issues and workarounds.