HP Operations Orchestration

Integration with HP Server Automation Software

Version: 7.60.01

HP Operations Orchestration: 7.60.01, 7.51.03

HP Server Automation : 9.01

Release Notes

Document Release Date: October 2010

Software Release Date: October 2010

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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.
- 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 of a document, go to one of the following sites:

http://h20230.www2.hp.com/selfsolve/manuals
http://www.hp.com/go/bsaessentialsnetwork

Both these sites require 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 New Users - please register link on the HP Passport login page.

The BSA Essentials Network site provides an Operations Orchestration Community page that contains links to announcements, discussions, downloads, documentation, help, and support.

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

For more information on Central Help (online product help for OO products), Studio Help, (help for flow authors), and their related animated tutorials, check the HP OO home directory. For flow and operation descriptions, see individual flows.

Support

Visit the HP Software Support Online 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 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 web site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
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http://h20229.www2.hp.com/passport-registration.html

To find more information about access levels, go to:

http://support.openview.hp.com/access_level.jsp

Contents

This integration (referred to as the SA content) allows administrators to build HP Operations Orchestration (OO) flows that are integrated with HP Server Automation (SA).

SA operations are located in the Central repository in the following directory:

```
/Library/Integrations/Hewlett-Packard/Server Automation/
```

This document contains the following information:

- Installation and Upgrade Instructions
- What's New
- Supported and Deprecated Features
- Known and Fixed Issues

Installation and Upgrade Instructions

To install the SA OO Content using the BSA Essentials Live Network Connector:

1. Configure the Live Network Connector, and download the `oo_sa` stream.

   For more information, see *the Live Network Connector User Guide* at:
   `<OO_home>\Central\tools\LNC`

2. In the Live Network Connector install directory, open a command window and enter the following commands:
   ```
   live-network-connector download
   live-network-connector import
   ```
3. Restart the RSJRAS service on all RASs in your OO deployment.

To install the SA Content on OO central server manually:

1. Exit OO Studio and make sure that Windows Services "*RSCentral*" and "*RSJRAS*" are running.
2. To download the SA content, please follow the steps given below:
a. Go to the HP website *https://www.www2.hp.com/support.html*.
b. Click on the link "*Operations Orchestration Community*" and then login with your HP Passport credentials.
c. Click on the link "*Important Downloads*" under "*Quick Links*" section
d. Navigate to the folder "*Operations Orchestration -> Partner Developed Content -> Server Automation ->SA Content for OO 7.51/7.60*"
e. Download the SA content to a temporary folder (ex: `c:\temp\`).

3. To install the SA content, please follow the steps given below:

a. Open the Windows Command prompt and change the current directory to the temporary folder (`c:\temp\`)

b. Run the command:

```
"%ICONCLUDE_HOME%\jre1.6\bin\java -Xmx1024m -jar c:\temp\OO-SAS-
7_60-0001-ContentInstaller.jar -centralURL https://localhost:8443 -
centralUsername <user_name> -centralPassword <password>
```

c. After SA content is installed successfully, restart the "RSJRAS" service on all RASes.

NOTE:

Please install the appropriate OO version as follows:

Before installing this content on OO 7.51, please install OO 7.51.01, OO 7.51.03 and OO 7.60.01 content pack in this given sequence.

Before installing this content on OO 7.60, please install OO 7.60.01 content pack.

What's New

This release includes support for the following:

1. SA version 9.01

2. Application configuration

3. Remediation (through a Remediate Server operation) for a given set of software policies, in addition to full existing remediation support

4. Improved SA Operations descriptions

Supported and Deprecated Features

This section describes the supported and deprecated features for this release.

Version Support

Supported SA versions: 6.x, 7.0, 7.5, 7.8, 9.0, and 9.01.

Deprecated Support

The following features were deprecated in this release:

- Support for partial server platform names (full platform name is now supported and strongly recommended).
- Custom field type `FILE` for the operation: `/Server Automation/Custom Fields/Set Custom Field`

Operation Enhancements

The following operations were enhanced:

(**Note**: Operation descriptions are in: `Library/Integrations/Hewlett-Packard/Server Automation`.)

Operation	Enhancement

`Server Automation/`
 	
  • `Application Configuration/`
     o `<All Operations>`
 	
  • `Audits/`
     o `Get Audit Result VO`
 	
  • `Custom Fields/`
     o `Get Custom Field`
 	
  • `Servers/`
     o `Remediate Server`
	Support for application configuration
	
	Returns the latest audit result of a given audit policy
	
	When the Custom Field type is `FILE`, the operation returns the `CustomFieldUnitRef` ID
	
	New parameter: `swPolicies`
	Function: Remediates a given set of software policies

`Application Configuration/`
 	
  • `Create Application Configuration`
  • `Modify Application Configuration`
	Description enhancement

`Audits/`
 	
  • `Get Audit Task VO`
  • `Get Latest Audit Result VO`
	Description enhancement

`Custom Attributes/`
 	
  • `Add or Set Custom Attribute`
  • `Delete Custom Attribute`
  • `Get Custom Attribute`
	Description enhancement

Operation	Enhancement

Custom Fields/
 	
• Attach Virtual Column
• Detach Virtual Column
• Get Custom Field
• Get Virtual Column
• Get Virtual Columns
• Set Custom Field
• Virtual Columns
• Virtual Columns/
   o Create Virtual Column
   o Delete Virtual Column
   o Update Virtual Column
	Description enhancement

Device Groups/ • Create Device Group • Set Device Group Dynamic Rule • Update Device Group	Description enhancement
Patches/ • Schedule Install Patch • Schedule Uninstall Patch	Description enhancement
OS Sequences/ • Start OS Sequence	Description enhancement
Servers/ • Add Server to Device Group • Remediate Server • Remove Server from Device Group	Description enhancement

Operation	Enhancement
`Software Policies/` • `Create Software Policy`	Description enhancement

Known and Fixed Issues

This section describes known and fixed issues with the software.

Known Operation Issues

Operation	Description
`Server Automation/Application Configuration/Update Application Configuration`	Cannot identify an application configuration whose name contains a space.
`Server Automation/patches/Solaris/Get Solaris Patch VOs`	Sometimes fails to report Solaris patch policy details.
`Server Automation/Software Policies/Get Software Policy Compliance Scan Summary`	Fails to retrieve the compliance-scan summary when the optional OO input parameters `policyName` and `serverNames` are not provided.
`Server Automation/patches/ Get Patch VO`	Sometimes fails to retrieve the patch details when the `patchName` parameter is provided but the `patchID` parameter is not.

Fixed Issues

ID	Description
`QCCRID95855`	Inaccurate content description.
`QCCR1D95865`	`SetDeviceGroup Dynamic Rule` operation should include rule descriptions.
`QCCR1D96102`	`Schedule Install Patch` and `Schedule Uninstall Patch` operations succeed for invalid inputs. Description update needed.
`QCCR1D96112`	`Add Server to Device Group` operation succeeds for invalid inputs.

ID	Description
QCCR1D96114	`Remove Server from Device Group` operation succeeds for invalid inputs.
QCCR1D96117	`Add Server to Device Group` operation succeeds for invalid inputs. Description should be updated.
QCCR1D96118	`Remove Server from Device Group` operation succeeds for invalid inputs. Description should be updated.
QCCR1D96244	`Get Server VO` and `Get Software Policy VO` operations fail for valid inputs.
QCCR1D96713	Typographical error in description.
QCCR1D96747	`Create Software Policy` operation fails for valid inputs.
QCCR1D96753	`Get customer VOs` operation does not function for search expressions.
QCCR1D96760	`Get Device Group Dynamic Rule` operation succeeds with invalid inputs.
QCCR1D97038	`Start OS Sequence` operation does not uniquely identify an OS sequence.
QCCR1D97416	`Modify Application Configuration` operation issues.
QCCR1D97417	`Create App Config` issues.
QCCR1D97426	`Get Patch VOs` operation succeeds with invalid `patchType` inputs.
QCCR1D100146	`Set Custom Field` operation does not work correctly if the `Custom Fields` field contains a parameter of type `FILE`.
QCCR1D101769	`Custom Attributes & Custom Fields` operation contains inappropriate input type for the `coreVersion` input.
QCCR1D101954	`Approve Blocked Job Samples` operation fails for valid inputs.
QCCR1D101955	`Start Create Virtual Machine Sample` operation fails for valid inputs.
QCCR1D101958	`Start Virtual Machine Create` operation fails for valid inputs.
QCCR1D110358	`OP_Get_Latest_Audit_Result_VO` produces unexpected results when the `taskName` input is blank.
QCCR1D110819	`OP_Create_Device_Group` succeeds for invalid input `isDynamic`.