HP Operations Orchestration

For Windows and Linux operating systems

Software Version: Content Pack 11

Release Notes

Legal Notices

Warranty

The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

The information contained herein is subject to change without notice.

Restricted Rights Legend

Confidential computer software. Valid license from HP required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Copyright Notice

Trademark Notices

Adobe™ is a trademark of Adobe Systems Incorporated.

Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.

UNIX® is a registered trademark of The Open Group.

This product includes an interface of the 'zlib' general purpose compression library, which is Copyright © 1995-2002 Jean-loup Gailly and Mark Adler.

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:

http://h20230.www2.hp.com/selfsolve/manuals

This site requires 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 the **New users - please register** link on the HP Passport login page.

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

Support

Visit the HP Software Support Online web site at:

http://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
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract. To register for an HP Passport ID, go to:

http://h20229.www2.hp.com/passport-registration.html

To find more information about access levels, go to:

http://h20230.www2.hp.com/new_access_levels.jsp

Contents

Introduction

This document provides an overview of the changes made in HP Operations Orchestration Content Pack 11. It contains important information not included in the manuals or in online help. This is an English and Japanese language release.

OO Content Pack 11 is a cumulative Content Pack. It updates the repositories and RASes. The update does not remove any operations or flows. The patch only adds, modifies or changes the location of the specific content.

What's New

Supported versions

Windows PowerShell

Added support for Windows PowerShell version 3.
Along with all the other new Windows PowerShell 3.0 features, you can use:

- PowerShell Workflows, enabling you to perform long-running tasks, making tasks repeatable, parallelizable, restartable, interruptible, or frequent.

- Cmdlet discovery and automatic module loading, enabling you to search and run the cmdlets you have on your computer.

For additional information on PowerShell 3, see the Microsoft official site.

Microsoft .NET Framework

Added support for Microsoft .NET Framework versions 4.0 and 4.5 in side by side configuration.
Side-by-side configuration means that .NET Framework 4.0 or 4.5 needs to be installed together with previous versions of .NET Framework on the RAS server.
The recommendation is to install .NET Framework 3.5 SP1 or .NET Framework 3.5, which include the previous versions of .NET Framework, on the same server where .NET Framework 4.0 or 4.5 is installed.
Both Full and Client Profile versions of .NET Framework are supported.

VMware vCloud Director

Added support for VMware vCloud Director version 5.1.

The `vCloud.jar` file containing the vCloud actions has been renamed to `vCloud5.x.jar`.

See the OO Content Pack 11 *VMware vCloud Integration Guide* for information on the available content.

VMware vSphere

Added support for VMware vSphere versions 5.1 and 5.0 update 1.

See the OO Content Pack 11 *VMware Virtual Infrastructure and vSphere Integration Guide* for information on the available content.

Microsoft Windows

Added support for Microsoft Windows version 2012.

Microsoft SQL Server

Added support for Microsoft SQL Server version 2012.

HP Network Automation

Added support for Network Automation version 9.20.

See the OO Content Pack 11 *HP Network Automation Integration Guide* for information on the available content.

HP Operations Manager i

Added support for HP Operations Manager i version 9.21.

See the OO Content Pack 11 *HP Operations Manager i Integration Guide* for information on the available content.

Microsoft System Center

- Added support for System Center Configuration Manager version 2012.

See the OO Content Pack 11 *Microsoft System Center Configuration Manager Integration Guide* for information on the available content.

- Added support for System Center Operations Manager version 2012.

See the OO Content Pack 11 *Microsoft System Center Operations Manager Integration Guide* for information on the available content.

- Added support for System Center Orchestrator version 2012.

See the OO Content Pack 11 *Microsoft System Center Orchestrator Integration Guide* for information on the available content.

- Added support for System Center Virtual Machine Manager version 2012. To ensure this, a `version` input was added to all the System Center Virtual Machine Manager operations and flows.

See the OO Content Pack 11 *Microsoft System Center Virtual Machine Manager Integration Guide* for information on the available content.

Enhancements

VMware vCloud Integration

Added the following operations to the **Library/Integrations/VMware/VMware vCloud/Organizations/Organizations vDCs/Networks** folder:

- **Create Direct Organization vDC Network**, which creates an organization vDC network that is directly connected to an external network.

- **Get Organization vDC Networks**, which retrieves a list of organization vDC networks for an organization.

- **Delete Organization vDC Network**, which deletes an Organization vDC Network.

VMware vSphere Integration

Added the following operations and flows:

- **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines/Configuration/Extend Disk on VM**, which increases the size of a hard disk on a virtual machine.

- **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines/Rename Virtual Machine**, which renames an existing virtual machine.

- **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines/Configuration/Edit Video Card**, which modifies the video card options within a virtual machine.

- **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines/Configuration/Get All Hard Disks for VM**, which gets information about the virtual connected hard disks on a virtual machine.

- **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Datastore/Get Datastore Provisioned Space**, which returns the provisioned space for a datastore.

Added the following operations to the **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Datastore Cluster** folder:

- **Get Datastore Clusters**, which returns information about all the datastore clusters from the datascenter or, if the name is provided, information about the specified datastore cluster.

- **Rename Datastore Cluster**, which renames an existing datastore cluster.

Added two sample flows and a result which contains the identifier of the managed object. The following list contains the names of the changed operations or flows, and of the added results:

- **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines/Create VM Folder** - `folderID`

- **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Resource Pools/Create Resource Pool** - `respoolID`

- **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines/samples/Clone Virtual Machine** - `vmID`

- **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines/samples/Create Virtual Machine** - `vmID`

Added two optional Boolean inputs to the **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines/Configuration/Configure NIC on VM** operation:

- `connect` - Specifies whether to connect the NIC to the network, applying only to a running VM.

- `connectAtPowerOn` - Specifies whether to connect the NIC to the network at VM startup.

OO Content Pack 11 Documentation

The OO Content Pack 11 documentation set includes the following:

- VMware Virtual Infrastructure and vSphere Integration Guide

- VMware vCloud Integration Guide

- Microsoft System Center Configuration Manager Integration Guide

- Microsoft System Center Operations Manager Integration Guide

- Microsoft System Center Orchestrator Integration Guide

- Microsoft System Center Virtual Machine Manager Integration Guide

- HP Network Automation Integration Guide

- HP Operations Manager i Integration Guide

- HP Operations Orchestration Integration Support Matrix

- HP Operations Orchestration Operations and Flows

Installing OO Content Pack 11

You must install OO Content Pack 11 on an existing OO platform version of 9.00.01 or later.

You can install OO Content Pack 11 on top of an existing Content Pack 10 content installation. Use **platform 9.00** and the patches listed in the following table:

Content	Patch level
OO Content Pack 11	9.00.01
OO Content Pack 11	9.00.02
OO Content Pack 11	9.02 + 9.02.0002
OO Content Pack 11	9.03.0001
OO Content Pack 11	9.04
OO Content Pack 11	9.05
OO Content Pack 11	9.06
OO Content Pack 11	9.07

All content needs to be checked in before applying the Content Pack.

If you encounter an issue with expired certificates after an upgrade or new installation of the OO 9.00 platform release before installing the OO Content Pack 11 release, apply the OO 9.02 platform patch (available on the HP Software Support Online portal) to the OO 9.00 platform release as instructed in the OO 9.02 platform patch release notes to resolve the issue. OO 9.02.0002 is a required patch for OO 9.02 that must be installed together with OO 9.02.

If you apply OO Content Pack 11 on top of an existing version of OO 9.00 and then re-install OO 9.00, you must also re-install OO Content Pack 11.

Although you can install OO Content Pack 11 manually, it is recommended that you install OO Content Pack 11 using the HP Live Network Connector.

Installing OO Content Pack 11 Using the HP Live Network Connector

1. Configure the Live Network Connector (https://hpln.hp.com/group/hp-live-network-connector) and trigger a download for the OO updates stream.

2. At the location from which you install the Live Network Connector, type the following command in a terminal and then press ENTER:

```
live-network-connector download
```

3. At the same location, type the following command in a terminal and then press ENTER:

```
live-network-connector import
```

4. Restart the RAS service on all RASes in your OO deployment.

See the *HP Live Network connector User guide* for additional information.

Note: If you encounter a RAS update error during the following procedure, do the installation procedure again.

Installing OO Content Pack 11 Manually

You need to use Java 6 to install OO Content Pack 11. It is recommended that you to use the Java JRE shipped with OO, located in the **<OO_HOME>/jre1.6** folder.

When installing OO Content Pack 11 manually, you can:

- Install on a Local Central Server.
- Install on a Remote Central Server.

Installing OO Content Pack 11 on a Local Central Server

Windows

1. Close Studio and make sure that Central and your RAS are running by checking the status of the RSCentral and RSJRAS services.

2. Go to https://hpln.hp.com, click **Operations Orchestration Community** and log in.

3. On the left-hand side, click **Operations Orchestration Content Packs**. In the **Operations Orchestration Content Packs** box, click **Content**. Click **HP Operations Orchestration 9.00** and navigate to HP Operations Orchestration Content Pack 11.

4. Navigate to and copy the OO Content Pack 11 Installer version of **OO_Content_Pack_11_ Installer.jar** to a temporary directory.

5. Click the **Start** menu, and then click **Run**.

6. In the Run dialog box, type cmd and then click **OK**.

7. Make sure that the **bin** subdirectory, located in the **JVM** directory, is added to the PATH environment variable. In the command window, change the current directory to the temporary one and type:

```
java -jar OO_Content_Pack_11_Installer.jar -centralPassword <your
Central password>
```

8. Restart the RAS service on all RASes in your OO deployment.

Notes:

- On Windows 2008 and Windows 2008 R2 servers, you must have administrative privileges to install OO Content Pack 11. To get administrative privileges, follow these steps:

a. On the **Start** menu select **All Programs**, and then **Accessories**.

b. Right-click **Command Prompt** and then select the **Run as administrator** option.

- If you are using a Central user name other than the default `admin`, use the **–centralUsername** parameter in the command shown in **step 7** of the previous procedure as follows:

```
java -jar OO_Content_Pack_11_Installer.jar –centralUsername <non-
default Central username> -centralPassword <your Central password>
```

For example:

```
java -jar OO_Content_Pack_11_Installer.jar –centralUsername sysadmin
-centralPassword mypassword
```

- If you are installing OO Content Pack 11 on a non-default port instead of the default port **https://localhost:8443**, use the **–centralURL** parameter in the command shown in **step 7** of the previous procedure as follows:

```
java -jar OO_Content_Pack_11_Installer.jar –centralURL <non-default
Central URL> -centralPassword <your Central password>
```

For example:

```
java -jar OO_Content_Pack_11_Installer.jar –centralURL
https://central_server1:8080 -centralPassword mypassword
```

- To install OO Content Pack 11 even if there are conflicts between operation versions, use the **–forceInstall** parameter in the command shown in **step 7** of the previous procedure as follows:

```
java -jar OO_Content_Pack_11_Installer.jar –forceInstall -
centralPassword <your Central password>
```

For example:

```
java -jar OO_Content_Pack_11_Installer.jar –forceInstall -
centralPassword mypassword
```

Linux

1. Make sure that Central and your RAS are running by checking the status of the `RSCentral` and `RSJRAS` services.

2. Go to https://hpln.hp.com, click **Operations Orchestration Community** and log in.

3. On the left-hand side, click **Operations Orchestration Content Packs**. In the **Operations Orchestration Content Packs** box, click **Content**. Click **HP Operations Orchestration 9.00** and navigate to HP Operations Orchestration Content Pack 11.

4. Navigate to and copy the OO Content Pack 11 Installer version of **OO_Content_Pack_11_ Installer.jar** to a temporary directory.

5. Open a **terminal**.

6. Make sure that the **bin** subdirectory, located in the **JVM** directory, is added to the `PATH` environment variable. Use the **cd** command to change the current directory to the temporary one and type:

```
java -jar OO_Content_Pack_11_Installer.jar -centralPassword <your
Central password> -home <path to OO installation folder>
```

7. Restart the RAS service on all RASes in your OO deployment.

Notes:

- If you are using a Central user name other than the default `admin`, use the **–centralUsername** parameter in the command shown in **step 6** of the previous procedure as follows:

```
java -jar OO_Content_Pack_11_Installer.jar –centralUsername <non-
default Central username> -centralPassword <your Central password> -
home <path to OO installation folder>
```

For example:

```
java -jar OO_Content_Pack_11_Installer.jar –centralUsername sysadmin
-centralPassword mypassword -home /root/OO_HOME
```

- If you are installing OO Content Pack 11 on a non-default port instead of the default port **https://localhost:8443**, use the **–centralURL** parameter in the command shown in **step 6** of the previous procedure as follows:

```
java -jar OO_Content_Pack_11_Installer.jar –centralURL <non-default
Central URL> -centralPassword <your Central password> -home <path to
OO installation folder>
```

For example:

```
java -jar OO_Content_Pack_11_Installer.jar –centralURL
https://central_server1:8080 -centralPassword mypassword -home
/root/OO_HOME
```

- To install OO Content Pack 11 even if there are conflicts between operation versions, use the **– forceInstall** parameter in the command shown in step 6 of the previous procedure as follows:

```
java -jar OO_Content_Pack_11_Installer.jar –forceInstall -
centralPassword<your Central password> -home <path to OO
installation folder>
```

For example:

```
java -jar OO_Content_Pack_11_Installer.jar –forceInstall -
centralPassword mypassword -home /root/OO_HOME
```

Installing OO Content Pack 11 on a Remote Central Server

You need to have a locally installed Central.

Windows

1. Make sure that Central and your RAS are running.

2. Go to https://hpln.hp.com, click **Operations Orchestration Community** and log in.

3. On the left-hand side, click **Operations Orchestration Content Packs**. In the **Operations Orchestration Content Packs** box, click **Content**. Click **HP Operations Orchestration 9.00** and navigate to HP Operations Orchestration Content Pack 11.

4. Navigate to and copy the OO Content Pack 11 Installer version of **OO_Content Pack_11_ Installer.jar** to a temporary directory.

5. Click the **Start** menu, and then click **Run**.

6. In the Run dialog box, type `cmd` and then click **OK**.

7. Make sure that the **bin** subdirectory, located in the **JVM** directory, is added to the `PATH` environment variable. In the command window, change the current directory to the temporary one and type:

```
java -jar OO_Content_Pack_11_Installer.jar –centralURL <remote
Central URL> -centralPassword <your Central password>
```

8. Restart the RAS service on all RASes in the remote OO deployment.

Note:

- On Windows 2008 and Windows 2008 R2 servers, you must have administrative privileges to install OO Content Pack 11. To get administrative privileges, follow these steps:

    a. On the **Start** menu select **All Programs**, and then **Accessories**.

    b. Right-click **Command Prompt** and then select the **Run as administrator** option.

Linux

1. Make sure that Central and your RAS are running.

2. Go to https://hpln.hp.com, click **Operations Orchestration Community** and log in.

3. On the left-hand side, click **Operations Orchestration Content Packs**. In the **Operations Orchestration Content Packs** box, click **Content**. Click **HP Operations Orchestration 9.00** and navigate to HP Operations Orchestration Content Pack 11.

4. Navigate to and copy the OO Content Pack 11 Installer version of **OO_Content Pack_11_ Installer.jar** to a temporary directory.

5. Open a **terminal**.

6. Make sure that the **bin** subdirectory, located in the **JVM** directory, is added to the `PATH` environment variable. Use the **cd** command to change the current directory to the temporary one and type:

```
java -jar OO_Content_Pack_11_Installer.jar –centralURL <remote
Central URL> -centralPassword <your Central password> -home <path
to OO installation folder>
```

7. Restart the RAS service on all RASes in the remote OO deployment.

Known Issues

Title and QC ID	Description
F5 Integration QCCR1D85010	The **F5 integration** does not support non-alphanumeric passwords. This is because the password is placed in an HTML GET string. The non-alphanumeric characters break the GET string. As a result, the string cannot be used in the password.
UpdateAssignedTo operation QCCR1D131214	The **Library/Integrations/Hewlett-Packard/Network Node Manager/9.0/Incidents/UpdateAssignedTo** operation fails with a `Cannot interrogate model` exception fault. The operation, should return success and change the `assignTo` value to the one specified as input value.
Get and **Put** operations QCCR1D132829	The **Library/Operations/Remote File Transfer/FTP/Get** and **Library/Operations/Remote File Transfer/FTP/Put** operations complete successfully even if given invalid values for the `type` input.
Divider operation QCCR1D135408	The **Library/Utility Operations/Math and Comparison/Simple Evaluators/Divider** operation completes successfully when a division by zero occurs. The result is infinity. The operation has been modified to check whether the divisor is zero. If the divisor is zero, the operation fails.
Divider operation QCCR1D135409	When you use the **Library/Utility Operations/Math and Comparison/Simple Evaluators/Divider** operation to divide 0.0 by 0.0, the operation fails with a `BigInteger divide by 0` message.
Description for `includePaths` in **RepositorySync** Plugin QCCR1D138276	The **RepositorySync** plugin description in the **Library/Integrations/Hewlett-Packard/Operations Orchestration/Repository** folder for `includePaths` (paths to include) should be clearer, as it actually refers to a logical offset from the repository root, rather than a system storage path on the O/S. For example, to include all flows under **My Ops Flows**, the input should be **Library/My Ops Flows**. The same description should apply to `excludePaths` (paths to exclude).
Set System Account and **Set System Property** operations QCCR1D138282	If you create a new system account and check it in, but the values for the system account `username` and `password` are empty, these are not available in any flow. This means that you will not be able to run an OO flow to create system account values in real-time by using the **Library/Integrations/Hewlett-Packard/Operations Orchestration/Set System Account** operation. The same behavior is found for the **Library/Integrations/Hewlett-Packard/Operations Orchestration/Set System Property** operation.

Title and QC ID	Description
Base64 Decoder operation QCCR1D138299	The **Library/Utility Operations/Base64 Decoder** operation returns success if the data input value contains an invalid non-ASCII string and the value of the `characterSet` input is ASCII or shift-JIS. The operation should fail.
Get Schedule Details operation QCCR1D145511	The **Library/Integrations/Hewlett-Packard/Operations Orchestration/Get Schedule Details** operation fails when executed from the local repository against OO 9.03. This is due to the changes that took place in OO 9.03 when the Scheduler was unified with Central.
Get Flow Schedules operation QCCR1D145513	The **Library/Integrations/Hewlett-Packard/Operations Orchestration/Get Flow Schedules** operation fails when executed from the local repository against OO 9.03. This is due to the changes that took place in OO 9.03 when the Scheduler was unified with Central.
Delete Flow Schedule operation QCCR1D145514	The **Library/Integrations/Hewlett-Packard/Operations Orchestration/Delete Flow Schedule** operation fails when executed from the local repository against OO 9.03. This is due to the changes that took place in OO 9.03 when the Scheduler was unified with Central.
Schedule Flow operation QCCR1D145676	The **Library/Integrations/Hewlett-Packard/Operations Orchestration/Schedule Flow** operation fails when executed from the local repository against OO 9.03. This is due to the changes that took place in OO 9.03 when the Scheduler was unified with Central.
OO Samples Self Integration QCCR1D145994	As stated in their description, the **Library/Integrations/Hewlett-Packard/Operations Orchestration/Flow Execution/Samples/Filter Flow Runs by Status** and **Library/Integrations/Hewlett-Packard/Operations Orchestration/Flow Execution/Samples/Get Last Run Status** flows can run only from Central, and not from Studio. However, the folder location (for example, **Library/Integrations**) is hidden in Central. To run the flows, you should use command line tools (for example, **JRSFlowInvoke.jar**). Alternatively, you can copy these flows in another location in the repository, and then execute using Central.
Redeploy Template operation QCCR1D149698	The **Library/Integrations/Hewlett-Packard/SiteScope/9.x and 10.x and 11.00/Redeploy Template** operation fails with `NullPointerException` when the destination path is invalid.

Title and QC ID	Description
Get Application Versions and **Get Applications** operations QCCR1D150316	The **Library/Integrations/Hewlett-Packard/Continuous Delivery Automation/Application/Get Application Versions** operation fails with `NullPointerException` when the `applicationId` input is left empty. The **Library/Integrations/Hewlett-Packard/Continuous Delivery Automation/Application/Get Applications** operation fails with `NullPointerException` when `filterBy` is assigned `byApplicationId` and `value` is assigned the value from the defect description.
Read Test flow QCCR1D150709	The **Library/Integrations/Hewlett-Packard/Application Lifecycle Management/Test Plan/Read Test** flow returns different results when `useLabels` is set to `true` than when it is set to `false`.
Ant Script flow QCCR1D154222	The **Library/Operations/Ant/Ant Script** flows' `timeout` input value is not taken into consideration when returning the results.
Trigger Deploying Topology To Realized Platform operation QCCR1D155726	The **Library/Integrations/Hewlett-Packard/Continuous Delivery Automation/Topology/Trigger Deploying Topology To Realized Platform** operation goes to success when given invalid values for the `deploymentName` and `deploymentSetId` inputs, but deployment fails with a `NullPointerException` on the CDA side.
Find Builds For Realized Topology operation QCCR1D155731	Instead of failing when given a bad value for the `realizedTopologyId` input, the **Library/Integrations/Hewlett-Packard/Continuous Delivery Automation/Topology/Find Builds For Realized Topology** operation goes to success, without returning any results.
List Connectors flow QCCR1D155796	The **Library/Integrations/Hewlett-Packard/ArcSight/Samples/List Connectors** sample flow does not return an error message in case of negative scenarios.
Windows error messages QCCR1D156392	For bad user name or password inputs, the operations in the **Library/Operations/File System/Windows Only** folder, and the **Library/Operations/Operating Systems/Windows/Ping** and **Trace Route** operations display a different error message on Windows 2012 than on Windows 2008 R2.
vCloud error messages QCCR1D157090 QCCR1D159372	The **vCloud 5.1.x** and **vCloud 1.5** servers return different error messages than the **vCloud 1.0** server.

Title and QC ID	Description
Remove Datastore from Host operation QCCR1D157920	When ran with a bad value for the `dataStore` input, the **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Host/Storage/Remove Datastore from Host** operation returns a different message than it used to before vSphere 5.1.
Disable Virtual Machine Undo Disk flow QCCR1D158218	The **Library/Integrations/Microsoft/System Center Virtual Machine Manager/Virtual Machine/Disable Virtual Machine Undo Disk** flow fails when run against SCVMM version 2012. The failure occurs because the **DisableUndoDisk-VM** Powershell cmdlet is deprecated in SCVMM 2012.
SCVMM error messages QCCR1D159032	When ran with an invalid `owner` input value, the **Library/Integrations/Microsoft/System Center Virtual Machine Manager/Virtual Machine/Set Virtual Machine** and **Library/Integrations/Microsoft/System Center Virtual Machine Manager/Hardware Profile/New Hardware Profile** and **Set Hardware Profile** flows return a different error message for SCVMM 2012 than for SCVMM 2008 R2.
SCVMM error messages QCCR1D159236	When ran with invalid values for the `template`, `networkUtilization` or `cpuMax` inputs, flows return a different error message for SCVMM 2012 than for SCVMM 2008 R2.
System Center Orchestrator authentication QCCR1D159369	The operations from the **Library/Integrations/Microsoft/System Center Orchestrator** folder fail when ran using a local user and the host is included in a domain.

Fixed Defects

The following items are fixed in the current software release. The reference number for each fixed defect is the Quality Center Change Request (QCCR) identifier.

For more information about fixed defects, visit HP Software Support Online, or contact your HP Support representative directly.

Title and QC ID	Description and Fix
Non ASCII characters in **vCloud** Integration QCCR1D141410	**Description**: **vCloud** failed to recognize a VM whose name contains Japanese characters. An error message appears when vCloud operations receive Japanese characters as input: `The request is not properly encoded` **Fix**: Non ASCII characters are supported in the **vCloud** Integration.
Non ASCII characters in **vCloud** Integration QCCR1D141413	**Description**: **vCloud** failed to create a catalog named with Japanese characters. An error message appears when vCloud operations receive Japanese characters as input. The following error message is returned: `The request is not properly encoded` **Fix**: Non ASCII characters are supported in the **vCloud** Integration.
Non ASCII Characters in **vCloud** Integration QCCR1D141415	**Description**: **vCloud** failed to modify an Organization whose description contains Japanese characters. An error message appears when vCloud operations receive Japanese characters as input: `The request is not properly encoded` **Fix**: Non ASCII characters are supported in the **vCloud** Integration.
The **Clone Virtual Machine** operation throws a null pointer exception QCCR1D149303	**Description**: The **Library/Integrations/VMware/ VMware Virtual Infrastructure and vSphere/Virtual Machines/Clone Virtual Machine** operation throws a null pointer exception when you specify both `clusterName` and `dataStore`, but leave the `hostSystem` input empty. **Fix**: The call to the server no longer uses the value of the `hostSystem` input, so the operation no longer throws an exception when leaving the `hostSystem` input empty.
Create Virtual Machine operation failure QCCR1D152064	**Description**: The **Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines/Create Virtual Machine** operation fails when the `dataStore` input is a datastore cluster. **Fix**: The **Create Virtual Machine** operation creates a virtual machine if the `dataStore` input is a datastore cluster instead of a datastore.

Title and QC ID	Description and Fix
Network Automation 9.20 support QCCR1D152681	**Description**: The **Library/Integrations/Hewlett-Packard/Network Automation**, **Library/Integrations/Hewlett-Packard/Network Automation/6.x** and **7.x and 9.x** folder properties do not mention NA 9.20 support. **Fix**: The **Network Automation**, **6.x** and **7.x and 9.x** folder properties were updated, adding NA 9.20 supportability in the process.
The column delimiter is missing from the **SQL Query** operation result QCCR1D155140	**Description**: When the last column of the query is `Null`, the **Library/Operations/Databases/Microsoft SQL/SQL Query** operation does not contain the column delimiter in the result. **Fix**: The `delimitedReturnResult` operation output was added, containing the column delimiter even when the last column is `Null`.
Better document the relationship between the **SQL Query** and **Get Next Sql Row** operations QCCR1D157784	**Description**: The relationship between the **Library/Operations/Databases/Microsoft SQL/SQL Query** and **Library/Operations/Databases/Microsoft SQL/Deprecated/Get Next Sql Row** operations is not documented clearly enough. **Fix**: Added information regarding the relationship between **SQL Query** and **Get Next Sql Row** in each of the two operations' description tabs.
The flows that use the **Add Object** operation fail with a null pointer exception QCCR1D158748	**Description**: The flows that use the **Library/Integrations/Hewlett-Packard/Universal CMDB/Add Object** operation fail with a null pointer exception when the property input `prop` is `name=CSA_CONSUMER` and the added property, for example `prop1`, is `organization_type=company`. **Fix**: The flows that use the **Add Object** operation complete successfully.