HP Operations Orchestration 10.x

Windows and Linux Operating Systems

OO Virtualization Content Pack Version 1.7.x

Release Notes

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Contents

Introduction

This document provides an overview of the HP Operations Orchestration Virtualization content pack 1.7.x release. It contains important information that is not included in the manuals or in the online help.

This release supports the following languages:

- en - English
- fr - French
- de - German
- ja - Japanese
- es - Spanish
- zh_CN - Simplified Chinese

Virtualization content pack 1.7.x is a cumulative content pack.

What's New

This content pack also supports the version 6.0 update 1 for VMware vSphere, VMware ESXi, and VMware vCenter.

The Virtualization content pack now contains operations and flows that enable automation around VMware NSX (6.1.x). The three primary scenarios covered by these operations are:

- Logical Switches. This integration provides operations to create, delete, update, list and get a logical switch. In addition, these operations and flows provide functionality to attach, detach, and list the virtual machines connected to a logical switch.
- Logical Routers. The integration also provides operations to create, delete, get, and list logical routers.
- Interfaces: The integration provides operations to create, delete, get, list, and update logical routers interfaces.

In this VMware NSX integration you can also find a scenario that demonstrates how you can create a network that contains a logical switch that is connected to a logical router. This scenario also demonstrates how to attach a virtual machine to the new network and make a working network.

To develop new operations or to use other functionalities provided by VMware NSX, you can use the HTTP Client. For more details on this integration, refer to the *NSX vSphere API Guide*, version 6.1.3, which you can find on the VMware web site. The operation, **Get Logical Switch VMs**, is developed using the HTTP Client and is a good example of how to develop an operation using the HTTP Client.

VMware NSX Integration Prerequisites

To use this integration, you must install and configure VMware NSX . You must also create a transport zone, which will be used to create a logical switch.

VMware NSX Integration Operations and Flows

- **Create Interface**

  This operation creates a new interface and adds it to an NSX Logical Router. An NSX Logical Router can have eight uplink interfaces and up to a thousand internal interfaces.

- **Delete Interface**

  This operation deletes an interface from an NSX Logical Router.

- **Get Interface Details**

  This operation retrieves information about the interface with the specified index for an NSX Logical Router.

- **Get Interface List**

  This operation retrieves the list with all interfaces defined for a specific Logical Router.

- **Update Interface**

  This operation updates the configuration of an interface from an NSX Logical Router.

- **Create Logical Router**

  This operation creates an NSX Distributed Logical Router, deploys it on an NSX Edge Appliance, and allows the configuration of its interfaces, remote access settings, and firewall policy.

- **Delete Edge**

  This operation deletes an NSX Edge using the NSX Edge ID. This operation is common for service gateway and logical routers.

- **Get Edge Details**

  This operation gets all details of an NSX Edge by its ID. This operation is common for service gateway and logical routers.

- **Get Edges List**

  This operation lists all existing NSX Edges and their details. This operation is common for service gateway and logical routers.

- **Attach VM To Logical Switch**

  This operation attaches a virtual machine to a specified Logical Switch.

- **Create Logical Switch**

  This operation creates a new Logical Switch on the specified transport zone.

- **Delete Logical Switch**

  This operation deletes an existing Logical Switch based on a given logicalSwitchId.

- **Detach VM From Logical Switch**

  This operation detaches a virtual machine from a specified Logical Switch.

- **Get Logical Switch Details**

  This operation retrieves the details from a specific Logical Switch based on a given logicalSwitchId.

- **Get Logical Switches List**

  This operation lists the IDs of the virtual machines connected to a Logical Switch.

- **Get Logical Switches List**

  This operation retrieves the list with all Logical Switches from a specific Transport Zone. The operation returns Logical Switches from all Transport Zones if transportZoneName and transportZoneId inputs are missing.

- **Update Logical Switch**

  This operation updates an existing Logical Switch based on a given logicalSwitchId.

- **Get Logical Switch VMs**

  This operation lists the IDs of the virtual machines connected to a logical switch.

- **Add a List of VMs to a Logical Switch**

  This flow attaches a list of VMs to a specified logical switch.

- **Get VM Instance UUID**

  This flow obtains the instanceUUID of the virtual machine specified.

- **Provision Network**

  This operation creates a Logical Switch and a Logical Router, and connects the Logical Switch to the Logical Router. The operation also attaches a virtual machine to the Logical Switch.

Content Pack Integrations

The following table lists the integrations that the OO Virtualization content pack supports:

Integration Name	Versions
Citrix Xen Server	5.0, 6.0
Hyper-V	Windows Server 2008 Windows Server 2008 R2 Windows Servers 2012 Windows Server 2012 R2
Linux KVM	KVM with libvirt 0.8.7
System Center Virtual Machine Manager	2008 R2, 2012, 2012 SP1, 2012 R2
VMware vSphere	4.0, 4.1, 5.0, 5.0u1, 5.1, 5.5, 6.0, 6.0 update 1
VMware ESX	3.5, 4.0, 4.1
VMware ESXi	3.5, 4.0, 4.1, 5.0, 5.1, 5.5, 6.0, 6.0 update 1
VMware NSX	6.1.x
VMware Virtual Center (vCenter)	4.0, 4.1, 5.0, 5.1, 5.5, 6.0, 6.0 update 1

Deploying the OO Virtualization Content Pack

OO platform versions 10.00 and later support Virtualization Content Pack 1.7.x. However, it is recommended to deploy the Virtualization Content Pack 1.7.x on an existing OO platform version of 10.50 or later.

For details on deploying a content pack, see "Importing Content Packs to a Project" in the *Studio Authoring Guide* and "Deploying a Content Pack" in the *Central User Guide*.

> **Note:** For details on how to uninstall/roll back a content pack, see "Roll back to the last deployment" in the *HP OO Central User Guide*.

Fixed Defects

The reference number for each fixed defect is the ALM Global ID number (QCCR).

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

CR Number	Title	Description
QCCR8C28496	Get Datastore Clusters (VMWARE) Does Not Return Datastore Clusters	The **Get Datastore Clusters** (VMWare) operation was not returning Datastore Clusters because the operation did not iterate over the content of folders in the provided data center. The operation has been fixed such that it now iterates over all items in the data center, at any level.
QCCR8C29463	Cannot Delete Distributed Virtual Port Group on vSphere6: not found in datacenter	The search mechanism in the **Delete Distributed Port Group** operation now locates the Distributed Virtual Port Group and the operation runs successfully.
QCCR8C29472	Add Virtual NIC and Edit Virtual NIC cannot find certain port groups	When running the **Add Virtual NIC** or **Edit Virtual NIC** operations, you must specify a datacenter input value when the virtual NIC is added to a Distributed Port Group (it cannot be empty).
QCCR8C27857	VMWare ESX5.5 Permission Error on **Clone Virtual Machine** operation	The **Clone Virtual Machine** operation Description has been updated; it now instructs users that they must set the Virtual machine -> Configuration -> Set annotation permission to "true" every time they run this operation. This operation will not work if this permission is not set (even if no 'description' is requested for the clone).
QCCR8C26505	XenServer: "Install VM" deploys a copy of cloned template instead of converting it to a VM	The template now converts to a VM that users can name. The UUID of the newly-created VM is exposed to users for additional manipulation.

Known Issues

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

Set VM Resource Allocation operation does not work

When the cpuLimit and memLimit are set to -1, the **Set VM Resource Allocation** operation does not work.

The Set VM Cores per Socket operation returns an error

The **Set VM Cores per Socket** operation under */Virtualization [1.2.1] /Library/Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines/Configuration/* is not working and can cause an error on a vSphere client.

Some Virtualization CP operations may not work as expected when support for self-signed certificates is disabled

When support for self-signed certificates is disabled in Operations Orchestration (Studio, Central RAS), certain operations may not work as expected when attempting calls to target host machines over HTTPS without providing SSL certificate information.

Operations under *Library/Integrations/VMWare/VMWare Virtual Infrastructure and vSphere/* may be affected.