

# HP Operations Orchestration 10.x

Windows and Linux Operating Systems

OO Virtualization Content Pack Version 1.2.1

## Release Notes

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## Introduction

This document provides an overview of the HP Operations Orchestration Virtualization Content Pack 1.2.1 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 1.2.1 is a cumulative Content Pack.

## 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
VMware ESX	3.5, 4.0, 4.1
VMware ESXi	3.5, 4.0, 4.1, 5.0, 5.1, 5.5
VMware Virtual Center (vCenter)	4.0, 4.1, 5.0, 5.1, 5.5

## What's New

### VMware Virtual Infrastructure and vSphere

- A new Input named **description** was added to the **Clone Virtual Machine** operation under */Integrations/VMware/VMware Virtual Infrastructure and vSphere/Virtual Machines*

### Microsoft Hyper-V 2012 added support

- A new input named **version** can now be found in all operations under Hyper-V integration. The "Hyper-V Version" Selection List contains valid values for this input. If the version input is not provided by the user, the operations will figure the server version by themselves, but for performance considerations the user can provide the server version and speed up flow runs.

### Microsoft Hyper-V, Enable Secure Boot (only on Hyper-V 2012)

- A new operation, **Change Boot Order For Generation 2 VM**, has been added. This operation was created as the concept of changing the boot order on second generation virtual machines is different from the method used in first generation virtual machines. The operation also provides access to the new **Enable Secure Boot** feature.

### Microsoft Hyper-V, managing memory for a virtual machine

- Five new inputs (**enableDynamicMemory**, **minimumRAM**, **maximumRAM**, **memoryBuffer**, **memoryWeight**) have been added to the **Set Memory Size** operation under */Integrations/Microsoft/Hyper-V/Virtual Machine Configuration* as part of the "managing memory for a virtual machine" feature.

These inputs allow you to enable dynamic memory which means that you can manage the amount of memory assigned to a virtual machine dynamically within the range specified by **minimumRAM** and **maximumRAM**. The **memoryBuffer** value specifies the percentage of memory that Hyper-V should try to reserve as a buffer for a virtual machine. The input **memoryWeight** specifies how to prioritize the availability of memory for a virtual machine compared to other virtual machines on the server.

### Microsoft Hyper-V, second generation virtual machines

- A new input **generation** was added to the **Create Blank Virtual Machine** operation under */Integrations/Microsoft/Hyper-V/Virtual Machine Actions* that enables the creation of second generation virtual machines on Hyper-V 2012.

### Microsoft Hyper-V, virtual DVD operations

- Two new operations, **Attach ISO to DVD** and **Detach ISO from DVD** were added to */Integrations/Microsoft/Hyper-V/Virtual DVD Operations*. These two operations work only with second generation virtual machines (the presence of second generation VMs is a new feature in Hyper-V 2012).

For the **Attach ISO to DVD** operation, using the ISO file provided by the user, a virtual DVD drive is created and added to the SCSI Controller at the specified location, then the ISO file is mounted on the DVD drive.

The **Detach ISO from DVD** operation removes the DVD drive with the mounted image from the specified location on the SCSI Controller.

### Microsoft Hyper-V Provision Virtual Machine sample flow

- A new sample flow, **Provision Virtual Machine** was added under */Integrations/Microsoft/Hyper-V/Samples*. With this flow you can create a new machine and configure the number of processors, memory size, add a hard disk and configure the network properties of the virtual machine.

### IPv6 support

IPv6 support has been added to the following integrations:

- Microsoft System Center Virtual Machine Manager
- Linux KVM

**Note:** The **Define Ethernet Interface** operation supports only IPv4 addresses for the **ipAddress** input.

- VMware Virtual Infrastructure and vSphere
- Microsoft Hyper-V

## Deploying the OO Virtualization Content Pack

OO platform versions 10.00 and above support Virtualization Content Pack 1.2.1. However, it is recommended to deploy the Virtualization Content Pack 1.2.1 on an existing OO platform version of 10.10 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/rollback 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
QCCR8C10293	KVM Integration - document SSH connection issue	The description of the folder was updated with better information regarding the issue.
QCCR8C11817	SCVMM error messages: Set Virtual Machine flow return a different Result for invalid owner	When running the <b>Set Virtual Machine</b> flow, the result is now the same on SCVMM 2012 as on SCVMM 2008 R2.
QCCR8C17760	"Create VM Folder" fails on duplicate folder names	When trying to create a folder, if a folder with the same name exists on the Virtual center at a different path, the operation completes successfully and the folder is created.
QCCR8C22925	The <b>Customize Windows Guest</b> operation restarts VSphere 5.5 client connection service while trying to customize target IP stack info and computer name	The <b>Customize Windows Guest</b> operation under <i>Integrations/VMware/VMware Virtual Infrastructure and vSphere/Guest</i> runs successfully without restarting the vSphere client connection. The following inputs have been marked as required: <b>computerName, timeZone, ownerName, ownerOrganization</b> . The old operation has been deprecated.
QCCR8C24947	Hyper-V: List VMs attached to Network operation does not show the correct results	The <b>List Virtual Machines Attached To Network</b> operation under <i>Integrations/Microsoft/Hyper-V/Virtual Networks</i> now retrieves machines that are attached to a private network.
QCCR8C25032	Incorrect binding input ownerName from actionRequest in VMware/Guest/Customize Windows Guest	The <b>ownerName</b> input is now bound correctly in the <b>Customize Windows Guest</b> operation under <i>Integrations/VMware/VMware Virtual Infrastructure and vSphere/Guest</i> .

## Known Issues

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

### **Get All Hard Disks for VM' Operation returns incorrect data when more than 9 devices are attached**

When using the **Get All Hard Disks for VM** operation under */Integrations/VMWare/VMware Virtual Infrastructure and vSphere/Virtual Machines/Configuration*) the Disk Count Number and Name are not correctly interpreted and incorrect data is returned when more than nine devices are attached.

### **Operations "Add Existing Disk To VM", "Add New Disk To VM" do not work properly**

Running the following operations causes an error when trying to attach to the virtual server with eight or more disks:

- **Add New Disk To VM** under */Integrations/VMware/VMware Virtual Infrastructure vSphere/Virtual Machines/Configuration*
- **Add Existing Disk To VM** under */Integrations/VMware/VMware Virtual Infrastructure vSphere/Virtual Machines/Configuration*

