# VMTurbo Operations Manager Release Notes Release: 4.7 – Update 1 – Build 29949

September 22, 2014

This document describes issues that are addressed in Update 1 of VMTurbo Operations Manager 4.7 Build 29949 that is publically released on September 19, 2014.

For any questions, please contact VMTurbo Technical Support at support@vmturbo.com or open a ticket at http://support.vmturbo.com.

## 1.0 APPLICABLE EDITIONS AND MODULES

This update makes improvements in the following:

- Operations Manager
- Operations Manager Cloud Control Module
- Operations Manager Storage Control Module

You can apply this update to any GA version of VMTurbo Operations Manager from version 4.0 or later. To see the support matrix of GA versions, refer to the End of Support Life Knowledge Base article located on the VMTurbo Support website. To upgrade older versions of Operations Manage, contact VMTurbo Technical Support to confirm the update path.

### 1.1. UPDATE LINKS

If your server is able to connect to the Internet, then you can apply the update through the online process by going to Admin -> Maintenance -> Software updates -> Update. If you require an offline update, then please follow the related knowledge base article below for an offline update, and reference the links below. Be sure to use the correct version for your server.

OpenSUSE (default):
64-bit: http://download.vmturbo.com/appliance/download/updates/update64-29949.zip
32-bit: http://download.vmturbo.com/appliance/download/updates/update-29949.zip

RedHat (for a very small number of customers):
64-bit: http://download.vmturbo.com/appliance/download/updates/update64_redhat-29949.zip
32-bit: http://download.vmturbo.com/appliance/download/updates/update_redhat-29949.zip

## 1.2. RELATED KNOWLEDGE BASE ARTICLES

- How to check for a VMTurbo Software Update (https://support.vmturbo.com/hc/en-us/articles/200681516)
- How to perform an offline update (https://support.vmturbo.com/hc/en-us/articles/200682076)
- End of Support Life (https://suuport.vmturbo.com/hc/en-us/articles/201805733)
- Release Notes (https://support.vmturbo.com/hc/en-us/articles/203612853 ) and Product Documentation (https://support.vmturbo.com/hc/en-us/articles/200681456 )

# 2.0 UPDATES AND IMPROVEMENTS

This release includes the following updates.

## 2.1. OPERATIONS MANAGER IMPROVEMENTS

These updates apply to all editions of Operations Manager.

### 2.1.1. REPORTING

- Improved visual design and workflow for panels and dialog boxes, including improved updates of panels, support for deleting saved reports, support for edits to subscriptions, and improved navigation and filtering in the panels.
- Scoped users have improved access to reports.
- Generation of UI reports is improved.
- This release fixes software errors that were reported in relation to reports, including problems generating or opening saved Dashboard reports, setting file permissions on saved reports, managing dashboard connections, displaying the wrong report, and displaying erroneous dialog boxes. This release also improves validation of the name field when saving a report.
- This release corrects the VM Rightsizing Report calculation of vCPU savings and better handling of the currency symbol .

### 2.1.2. PLANNER

- Improved placement of VMs when executing P2V from a CSV file. Under some circumstances in earlier versions Operations Manager did not calculate placement of VM workloads on host PMs for P2V. This release addresses those circumstances to more reliably execute P2V planning.
- This release includes internal planner improvements.
- Plan refresh is more efficient. Under some circumstances plans in earlier releases plans appear to never finish.

### 2.1.3. USER INTERFACE

- The Exceeded Socket Limit message now clears after you increase the socket count in your license.
- Historical data display is improved in the Usage data grids for VMs. Going back in time with slider does not produce an error.

### 2.1.4. POLICY CHANGES

- The default Utilization Constraint setting for Host Net Throughput has been increased from 20% to 50%. We have found that with more current hardware platforms, network performance has improved overall, so it is appropriate to increase this default setting to prevent a storm of IO congestion actions.
- We have moved the Number of Additional Polling Cycles setting to the Advanced > Internal Topology Settings: Hyper-V section of the Policies view. Please confer with Technical Support before changing the default value of this setting.

### 2.1.5. PROCESSING IMPROVEMENTS

- This release improves the efficiency of the Operations Manager discovery process.
- Handling of transitions from maintenance mode to online mode is improved, to reduce the possibility of unnecessary move actions.
- In earlier versions, for installations with the Fabric Control Module, rebooted VMWare hosts could elicit a "Check Hypervisor" risk notification that never cleared. With this release, Operations Manager will clear these notifications when the hosts are back online.
- This version fixes internal errors with the REST API calls to create users.
- Addressed issues with shared users trying to refresh views and throwing a NPE for components not visible to them.

### 2.1.6. PERSISTENCE IMPROVEMENTS

- This release fixes the handling of internal MySQL DB Connections that did not close properly after nightly roll-ups. This issue would exhaust DB Connections and the user would be given a Critical Persistence notification to contact VMTurbo Support.

## 2.2. CLOUD CONTROL MODULE IMPROVEMENTS

These updates apply to the Operations Manager Cloud Control Module.

### 2.2.1. OPENSTACK SUPPORT

- Starting with this release Operations Manager recommends and performs actions for OpenStack targets.

### 2.2.2. VIRTUAL DATACENTERS AND VCENTER RESOURCE POOLS

- With this release, you can now select a provider Virtual Datacenter (VDC), and the To Do list will include the actions to take for that provider's nested consumer VDCs.
- This release improves discovery of provider VDCs.
- Improved management of resources when a VM moves from one resource pool to another.
- Improved planning for hardware replace and other scenarios in environments that include resource pools.
- For Consumer VDCs in the Inventory View, we added a tooltip that includes Provider VDC and vCenter Target details on Resource Pools.

### 2.2.3. VIRTUAL MACHINE MANAGER (VMM) SUPPORT

- This release improves HA memory utilization calculations for VMM hosts that override a memory reservation.
- Improved parsing data response from VMM.
- This release fixes an issue with monitoring and display of VMM cloud and tenant utilization metrics.

### 2.2.4. PLANNER

- This release improves planning for hardware replace scenarios in environments that have active reservations or where Resource Pools as VDCs are present.

### 2.2.5. THE DEPLOY VIEW

- The REST API now returns true on success or false on failure when executing actions on reservations.

## 2.3. STORAGE CONTROL MODULE IMPROVEMENTS

These updates apply to the Operations Manager Storage Control Module.

### 2.3.1. EMC VNX SUPPORT

- This release improves mapping of LUNs to datastores and NFS pools to datastores in Operations Manager analysis and display. This primarily affects Fibre Channel storage with Hyper-V hypervisors.
- When validating a VNX target, Operations Manager posted failure messages even though validation succeeded. This release eliminates those spurious failure messages.

### 2.3.2. GENERAL STORAGE IMPROVEMENTS

- This release improves the monitoring and calculation of disk space devoted to snapshot files.
- This release corrects an issue that occurred under some circumstances, where Xen datastores could show a negative value for IOPS.
- This release corrects an issue that occurred under some circumstances, where RHEV datastores failed to show a value for latency.