VMTurbo Operations Manager Release Notes

Release: 5.1

February 9, 2015

This document describes issues that are addressed in the GA release of Operations Manager 5.1. These release notes cover additional fixes on top of 5.0 Update 1 released January 12, 2015. All builds are accumulative and applying 5.1 onto any release of Operations Manager v4.0+ will provide all fixes released previously. Please refer to the KB article that contains all published release notes (since v4.5):

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 Application Control Module
- Operations Manager Cloud Control Module
- Operations Manager Network 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 higher. To see the support matrix of GA versions, refer to the End of Support Life Knowledge Base article on the VMTurbo Support website. To upgrade older versions of Operations Manager, 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, please go to the ANNOUNCEMENTS Knowledge Base article:
https://support.vmturbo.com/hc/en-us/categories/200066746-Announcements

This article contains links to announcements for different versions of Operations Manager. Follow the link for this version to find the offline update for your installation. If there is no announcement for this version, please contact Technical Support.
1.2. RELATED KNOWLEDGE BASE ARTICLES

- How to check for a VMTurbo Software Update (https://support.vmturbo.com/hc/en-us/articles/200681516)

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

- The following reports have fixes and/or enhancements:
  - Individual VM Daily Report – aka Orange Icon – several issues addressed including removing unnecessary commodity_key values such as CPUAllocation and fixed the hourly vMem and vCPU graphs
    - NOTE the report template version in 5.1 does not respect hiding infrastructure values for shared users or when “hide infrastructure” is selected. Customers can get a new template to apply which will address this issue now, or wait for the fix to be delivered in 5.1 Update 1.
  - Storage Wasted Allocations
  - Host Group Capacity Usage Projection report was removed since it was not correctly reflecting projections that the user should view when running a Plan
- Corrected Excel report generation and retrieval through the user interface
- VMTurbo now provides the SQL queries used to generate the Standard Reports, for you to download from the Green Circle. Check the Custom Report space (https://greencircle.vmturbo.com/community/custom-reports) for this article: https://greencircle.vmturbo.com/community/custom-reports/blog/2015/01/02/reports-sql-queries-from-ootb-reports. This gives you an index of queries with a description of the query, the report the query comes from, and links to a detail page to see a sample output and download the SQL file. Note some modification of the query may be required. SQL Queries from OOTB Reports

2.1.2. PLAN

- Significant Performance Improvements when running Project Cluster Resources Plans and Capacity Headroom Plans

2.1.3. USER INTERFACE

- vCenter Datastores reporting negative utilization values in history has been fixed
- Allow for automator role to see VMT System Notifications (tray in lower right). Available through configuration file change
2.1.4. POLICY CHANGES

- VM to Host placement policy (affinity or non-affinity) are being created for 8 vCPU VMs
- Application Servers available for grouping
- Significant performance improvements for Cluster Capacity and Project Cluster Resources dashboards
- Cluster Capacity Dashboard – headroom analysis was showing a negative number when storage was in an idle state

2.1.5. PROCESSING IMPROVEMENTS

- Updates will check for disk space before updating tables
- RHEV: improved VM discovery when using Network Control Module
- Hyper-V: addressed an issue when a VM is discovered and not connected to a network, impacting Cluster Headroom analysis
- When taking diagnostics, the IP address of the VM will insert back into the diagnostics name when this VM is deployed without an eth0 adapter (some vCenter 5.x VM configurations)

2.2. APPLICATION CONTROL MODULE IMPROVEMENTS

- Improved discovery of WMI, SNMP and JMX discovered application processes
- Application Servers available for grouping

2.3. CLOUD CONTROL MODULE IMPROVEMENTS

These updates apply to the Operations Manager Cloud Control Module.

2.3.1. OPENSTACK SUPPORT

- Improved incremental discovery of OpenStack Flavors
- Improved incremental discovery of OpenStack VDCs / Tenants
- Improved initial discovery of VMs, addressed other discovery issues
- Addressed issue while discovering a server group
- Maintaining VDCs / Tenants during monitoring
- Create the cluster commodity when a VM is mistakenly placed on a host outside of the current cluster / flavor
- Fixed Ceilometer resource ID being used for Storage Amount monitoring
- Added the following metrics to be collected - PM NetThroughput [sold by host] - PM IO Throughout [sold by host] - StorageAmount used of the storage - VM NetThroughput [bought by VM]

2.3.2. VIRTUAL MACHINE MANAGER (VMM) SUPPORT

- Addressed an issue in parsing TenantQuota values

2.4. HYBRID CONTROL MODULE IMPROVEMENTS

- Azure SSL authentication fixed
2.5. NETWORK CONTROL MODULE IMPROVEMENTS

- In RHEV, improved VM discovery with better timing of when flow commodities are created

2.6. STORAGE CONTROL MODULE IMPROVEMENTS

These updates apply to the Operations Manager Storage Control Module.

2.6.1. GENERAL

- During rediscovery need to maintain Used values on existing Commodities

2.6.2. NETAPP

- Fixed issue with mapping iSCSI volume in 7 mode to hypervisor datastore

2.6.3. EMC VNX

- Improved discovery performance

2.6.4. HP 3PAR SUPPORT

- Corrected reflection of Storage Amount capacity when Disk Arrays have different RAID configurations
- Improved updating Storage Amount values of an Array being bought from the Controller
- Do not allow Storage Amount used to go to 0 during rediscovery