



VIRTUALIZATION MANAGER

Comprehensive virtualization management for VMware® and Hyper-V®

Virtualization Summary

Virtualization Assets

- VMware
 - LAB-DEM-VC
 - BranchOffice
 - Headquarters
 - hqesx01.demo.lab
- Hyper-V
 - BOHYV01
 - HQHYV01
 - HQHYV02

Hardware Health Overview

Overall Hardware Status: Up

Network Utilization: 0%

Running VMs: 9 of 12

Operational State: Connected

Host Status: Warning

VMan Alerts: 0 2 0

All Active Virtualization Alerts (17)

ALERT NAME	MESSAGE	TRIGGERING OBJECT	ACTIVE TIME
▲ Datastore High Latency	Latency spent by storage I/O...	HQHYV01/D:	2m
▲ Host to Datastore Latency	Fires when the total latency b...	HQHYV01	17m
▲ High VM CPU Utilization	CPU utilization of the VM ove...	EASTWPM03	2h 47m
▲ High VM Memory Utilization	Memory utilization of the VM...	EASTWPM03	1d 4h 27m
▲ VM memory ballooning	Amount of memory being us...	EASTWPM03	1d 18h 44m
▲ High VM CPU Utilization	CPU utilization of the VM ove...	WESTWPM03	1d 19h 13m
▲ Host memory utilization	Memory utilization of the Hos...	hqesx01.demo.lab	6d 11h 14m
▲ High VM Memory Utilization	Memory utilization of the VM...	LABORION03	17d 1h 12m
▲ Host memory utilization	Memory utilization of the Hos...	HQHYV02	28d 18h 57m
▲ Datastore Low Free Space	Low available storage space o...	LocalDatastore	56d 22h 30m

Potential Virtualization Issues (22)

- 5 VMs with Bad Tools (VMs whose tools status is not OK)
- 3 VMs with Connected Media (VMs with connected media is one element that can preve...)
- 3 VMs with Large Snapshots (VMs with snapshots using more than 2 GB storage space)
- 10 VMs With More Allocated Space than Used (Fires when a VM has more than 1GB difference between...)
- 1 VMs with Old Snapshots (VMs with snapshots created more than 30 days ago)

Categories without issues (15)

- 0 Cluster low VM capacity (The alert fires when the predicted number of VMs that c...)
- 0 Cluster memory utilization (Memory utilization of the cluster)
- 0 Cluster predicted CPU depletion (The alert fires when the predicted time remaining until t...)

Top 10 Hosts by Memory Utilization

HOST	MACHINE TYPE	MEMORY USED
hqesx01.demo.lab	VMware	30064 MB 92%
HQHYV02	Hyper-V	53934 MB 82%
boesx01.demo.lab	VMware	17891 MB 55%
HQHYV01	Hyper-V	16216 MB 50%
BOHYV01	Hyper-V	6951 MB 21%

Top 10 Hosts by CPU Load

Download a free product trial and start monitoring your network in minutes.

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Fully Functional for 30 Days

SolarWinds® Virtualization Manager delivers integrated VMware® and Microsoft® Hyper-V® capacity planning, performance monitoring, VM sprawl control, VDI performance monitoring, configuration management, alert remediation, and chargeback automation—all in one affordable product that's easy to download, deploy, and use. Start monitoring your VMs in about an hour.

VIRTUALIZATION MANAGER AT A GLANCE

- » Use real-time dashboards to easily identify and troubleshoot performance, capacity, and configuration problems.
- » Identify VM sprawl, which helps you reclaim and optimize space.
- » Integrate with Server & Application Monitor to have complete visibility of the application stack—from app to VM to datastore—on the Orion® interface.
- » Use baseline thresholds for alerting on performance discrepancies on clusters, hosts, VMs, and datastores.
- » Eliminate frequent log ins into vCenter™ and take action from within Virtualization Manager.

FEATURES

Heterogeneous virtualization management

Manage both VMware® and Microsoft® Hyper-V® environments through a single pane of glass.

Virtualization performance monitoring and management

Proactively monitor and analyze virtualization-specific performance problems in VMware and Hyper-V environments.

Full application stack visibility and contextual awareness

Get complete visibility of the Application Stack Management Bundle for across-the-board contextual awareness of performance issues.

Virtualization management actions

Integration with the Orion® platform gives you virtualization management actions, such as power on/off, suspend, and reboot a VM, as well as the ability to take and delete snapshots.

Migration management actions

With VMware vSphere™ Storage vMotion® you can migrate VMs to a different host. Also, VM disks can be migrated to a different datastore or shared cluster volume using Storage vMotion.

Intelligent script-based automation

Execute management actions through customized scripts for maximum optimization of virtualized resources.

Alert remediation

Configure an alert to trigger a management action based on set thresholds

Enhanced virtualization metrics

Integration with the Orion® platform gives you more VM metrics data. Get access to features in Orion, such as role-based access control, Web-based reporting, alerting, improved virtualization management, and a synchronization wizard.

VDI performance monitoring and management

Monitor Virtual Desktop Infrastructure (VDI) performance, quickly troubleshoot issues, and easily plan VDI rollouts.

VM right-sizing and capacity planning

Manage, plan, and optimize VMware and Microsoft Hyper-V virtual infrastructure capacity.

Virtualization dashboards

Get at-a-glance insight into the performance, capacity, configuration, and usage of your virtualized infrastructure.



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VM sprawl control

Find stale, zombie, and over-allocated VMs, add or remove CPU and RAM, and delete VM's orphaned VMDKs.

Virtualization performance alerts

Quickly discover and act on performance issues using flexible, out-of-the-box alerts within Virtualization Manager, which triggers alerts when a VM fails to respond during the expected interval. With the integration into Orion®, you can now set dynamic thresholds from baselines, and get alerted when your virtual appliance is about to reach warning or critical states.

Visibility into virtual machines

Get complete visibility into all your virtual machines, whether they are managed, stand-alone in Virtualization Manager, or in SolarWinds® Server & Application Monitor or Network Performance Monitor.

Virtualization configuration management

Track VM and host configurations over time to determine if your virtual environment configuration is performing optimally.

Virtualization dependency mapping and historical forensics

Map dependencies and perform forensic troubleshooting and problem analysis.

Virtualization chargeback and showback automation

Govern chargeback/showback IT, infrastructure, and Cloud services.

INTEGRATES WITH APPLICATION STACK MANAGEMENT BUNDLE

Integration with SolarWinds® Server & Application Monitor

When you integrate Virtualization Manager with SolarWinds Server & Application Monitor, you can see a dashboard view of your applications' health and status, as well as all dependent virtual server, host, cluster, and datastore information that supports the application and its virtual server.

Integration with SolarWinds Web Performance Monitor

When you integrate Virtualization Manager with SolarWinds Web Performance Monitor, you can see a dashboard view of the user experience and overall performance of internal (CRM, ERP, intranet) and customer-facing Web applications. Drill into website load times and page load speed by location, waterfall charts for heaviest page elements, and more.

Integration with SolarWinds Storage Resource Monitor

Virtualization Manager integrates with SolarWinds Storage Resource Monitor to give you a more detailed view of your virtual disks. You can drill through a datastore all the way to the LUN and array level.



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SYSTEM REQUIREMENTS

Virtual Appliance

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HARDWARE	MINIMUM REQUIREMENTS
CPU	2GHz quad-core
Virtual CPU	4 vCPU
Memory	8GB + RAM minimum recommended
Hard Drive	200GB + free disk space (thin provision by default for VMware®)
Other	Virtual appliance-based installation
SOFTWARE	MINIMUM REQUIREMENTS
OS	Runs on VMware® vSphere™ v6.x, v5.x, 4.x, or Microsoft® Hyper-V® 2008/2012
Database	Integrated with virtual appliance

Orion Server

HARDWARE	MINIMUM REQUIREMENTS
CPU	2.4GHz quad-core
Memory	4GB + RAM minimum recommended
Hard Drive	4GB free disk space minimum
SOFTWARE	MINIMUM REQUIREMENTS
OS	Windows Server® 2008 R2 SP1, 2012, 2012 R2
Database	Supports Express, Standard, or Enterprise versions of the following: <ul style="list-style-type: none"> • SQL Server 2008, 2008 SP1, 2008 SP2, 2008 SP3, or 2008 SP4 • SQL Server 2008 R2, 2008 R2 SP1, 2008 R2 SP2, or 2008 R2 SP3 • SQL Server 2012, 2012 SP1, 2012 SP2, or 2012 SP3 • SQL Server 2014, or 2014 SP1 • SQL Server 2016
.Net Framework	.NET 4.5 required
Web Console browser	<ul style="list-style-type: none"> • Microsoft® Internet Explorer® version 11 or later with Active scripting • Microsoft Edge • Mozilla® Firefox® version 38 or later • Google® Chrome™ version 51 or later • Safari® for iPhone®

NOTE: The minimum server requirements listed assume default configuration. Significantly increasing the poll rate or statistic collection rate could result in additional load on the server, which may require a larger CPU or additional memory.

TRY BEFORE YOU BUY. DOWNLOAD A FREE TRIAL!

Don't just take our word for it. At SolarWinds, we believe you should try our software before you buy. That's why we offer free trials that deliver full product functionality. Simply download and install the software, and take a break while SolarWinds Server & Application Monitor discovers your applications and servers. When you get back, your application and server monitoring environment will be waiting for you, complete with out-of-the-box dashboards, alerts, reports, and more!



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ABOUT SOLARWINDS

SolarWinds (NYSE:SWI) provides powerful and affordable IT management software to customers worldwide. Focused exclusively on IT Pros, we strive to eliminate the complexity in IT management software that many have been forced to accept from traditional enterprise software vendors. SolarWinds delivers on this commitment with unexpected simplicity through products that are easy to find, buy, use, and maintain, while providing the power to address any IT management problem on any scale. Our solutions are rooted in our deep connection to our user base, which interacts in our online community, **thwack**[®], to solve problems, share technology and best practices, and directly participate in our product development process. Learn more at <http://www.solarwinds.com>.

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