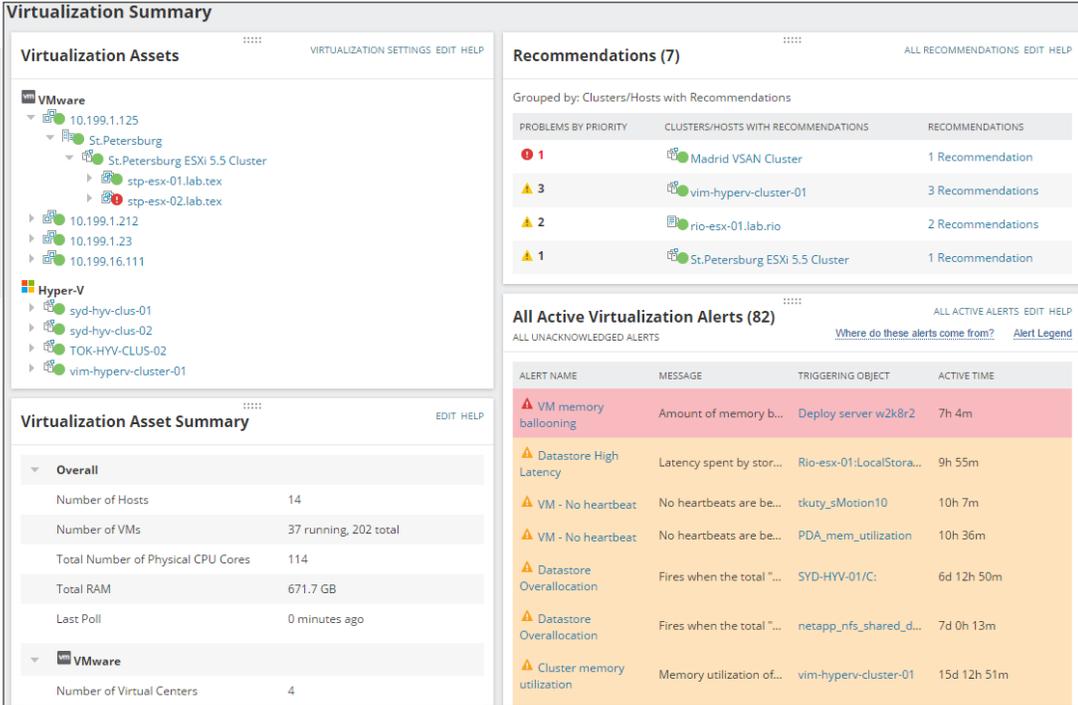


# Virtualization Manager 8.0

## Comprehensive virtualization management for VMware vSphere and Microsoft Hyper-V



**Virtualization Summary**

**Virtualization Assets**

- VMware
  - 10.199.1.125
    - St.Petersburg
      - St.Petersburg ESXi 5.5 Cluster
        - stp-esx-01.lab.tex
        - stp-esx-02.lab.tex
    - 10.199.1.212
    - 10.199.1.23
    - 10.199.16.111
  - Hyper-V
    - syd-hyv-clus-01
    - syd-hyv-clus-02
    - TOK-HYV-CLUS-02
    - vim-hyperv-cluster-01

**Virtualization Asset Summary**

Overall	
Number of Hosts	14
Number of VMs	37 running, 202 total
Total Number of Physical CPU Cores	114
Total RAM	671.7 GB
Last Poll	0 minutes ago

**Recommendations (7)**

Grouped by: Clusters/Hosts with Recommendations

PROBLEMS BY PRIORITY	CLUSTERS/HOSTS WITH RECOMMENDATIONS	RECOMMENDATIONS
1	Madrid VSAN Cluster	1 Recommendation
3	vim-hyperv-cluster-01	3 Recommendations
2	rio-esx-01.lab.rio	2 Recommendations
1	St.Petersburg ESXi 5.5 Cluster	1 Recommendation

**All Active Virtualization Alerts (82)**

ALL UNACKNOWLEDGED ALERTS

ALERT NAME	MESSAGE	TRIGGERING OBJECT	ACTIVE TIME
VM memory ballooning	Amount of memory b...	Deploy server w2k8r2	7h 4m
Datastore High Latency	Latency spent by stor...	Rio-esx-01:LocalStora...	9h 55m
VM - No heartbeat	No heartbeats are be...	tkuty_sMotion10	10h 7m
VM - No heartbeat	No heartbeats are be...	PDA_mem_utilization	10h 36m
Datastore Overallocation	Fires when the total "...	SYD-HYV-01/C:	6d 12h 50m
Datastore Overallocation	Fires when the total "...	netapp_nfs_shared_d...	7d 0h 13m
Cluster memory utilization	Memory utilization of...	vim-hyperv-cluster-01	15d 12h 51m

Download a free product trial and start monitoring your network typically in about an hour.

SolarWinds® Virtualization Manager delivers integrated VMware vSphere® and Microsoft® Hyper-V® recommendations, 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 remediating your VM performance typically in about an hour.

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Fully Functional for 30 Days

### VIRTUALIZATION MANAGER AT A GLANCE

- » Actionable intelligence provides recommendations for optimal server performance and placement
- » Batch execution of recommendations allows for quicker problem resolution
- » Use real-time dashboards to easily identify and troubleshoot performance, capacity, and configuration problems
- » Identify VM sprawl, which helps you reclaim and optimize space
- » Monitor and manage your Amazon EC2® and EBS instances from the same console as your on-premises virtualization environment
- » Integrate with SolarWinds Server & Application Monitor for complete visibility of the application stack—from app to VM to datastore—on the Orion® Platform interface

- » Use baseline thresholds for alerting on performance discrepancies on clusters, hosts, VMs, and datastores
- » Help eliminate frequent logins into vCenter™ and take action within Virtualization Manager

## FEATURES

### Actionable Intelligence

Provides active or predictive performance and placement recommendations that can be run immediately, or scheduled to run at a select time.

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### Heterogeneous virtualization management

Manage both VMware vSphere 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 vSphere and Hyper-V environments.

### Full application stack visibility and contextual awareness

The AppStack™ dashboard will give you contextual awareness of the performance and mapping of your applications and their dependence from the virtualization and storage layers.

### Performance and data metric correlation

Using the PerfStack™ dashboard, you can cross-stack performance data and metrics across your virtualization, storage, applications, systems, and networks systems, allowing for quicker problem identification.

### 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

Using the VMAN console, you can remotely execute VMware's vMotion and Hyper-V's Live Migration to migrate VMs to a different host, and VM disks to a different data store or shared cluster volume.

### 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 the Orion Platform, 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 rightsizing and capacity planning**

Manage, plan, and optimize VMware vSphere 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.

### **VM sprawl control**

Find stale, zombie, and overallocated VMs, add or remove CPU and RAM, and delete orphaned VMDKs.

### **Virtualization performance alerts**

Quickly discover and act on performance issues using flexible, out-of-the-box alerts within Virtualization Manager. It triggers alerts when a VM fails to respond during the expected interval. Integrating with the Orion Platform allows you to set dynamic thresholds from baselines, and receive alerts when your virtual appliance is about to reach warning or critical states.

### **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.

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## 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 the health and status of your applications, 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.

## SYSTEM REQUIREMENTS

### Orion Server

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HARDWARE	MINIMUM REQUIREMENTS
CPU	3.0GHz quad-core
Memory	8 GB + RAM minimum recommended, (Recommendations feature requires an additional 8 GB)
Hard Drive	10GB free disk space minimum
SOFTWARE	MINIMUM REQUIREMENTS
OS	Windows Server® 2012, 2012 R2, 2016
Database	Supports Express, Standard, or Enterprise versions of the following: <ul style="list-style-type: none"> <li>• SQL Server 2012, 2012 SP1, 2012 SP2, or 2012 SP3</li> <li>• SQL Server 2014, or 2014 SP1</li> <li>• SQL Server 2016</li> </ul>
.Net Framework	.NET 4.5 required
Web Console browser	<ul style="list-style-type: none"> <li>• Microsoft® Internet Explorer® version 11 or later with active scripting</li> <li>• Microsoft Edge®</li> <li>• Mozilla® Firefox® version 45 or later</li> <li>• Google® Chrome® version 51 or later</li> <li>• Safari® for iPhone®</li> </ul>

*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. Optional Capacity Planning Appliance may require **additional resources**.*

### 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!

## ABOUT SOLARWINDS

SolarWinds provides powerful and affordable IT management software to customers worldwide, from Fortune 500® enterprises to small businesses, managed service providers (MSPs), government agencies, and educational institutions. We are committed to focusing exclusively on IT, MSP, and DevOps professionals, and strive to eliminate the complexity that our customers have been forced to accept from traditional enterprise software vendors. Regardless of where the IT asset or user sits, SolarWinds delivers products that are easy to find, buy, use, maintain, and scale while providing the power to address key areas of the infrastructure from on-premises to the cloud. This focus and commitment to excellence in end-to-end hybrid IT performance management has established SolarWinds as the worldwide leader in both network management software and MSP solutions, and is driving similar growth across the full spectrum of IT management software. Our solutions are rooted in our deep connection to our user base, which interacts in our THWACK® online community to solve problems, share technology and best practices, and directly participate in our product development process. Learn more today at [www.solarwinds.com](http://www.solarwinds.com).

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To locate an international reseller near you, visit [http://www.solarwinds.com/partners/reseller\\_locator.aspx](http://www.solarwinds.com/partners/reseller_locator.aspx)

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