

What's New in Veeam Monitor 4.0

Veeam Monitor 4.0 is a major update to Veeam's popular performance monitoring and troubleshooting solution for VMware. As a result of ongoing research and development efforts, and in response to customer feedback, version 4.0 includes a markedly expanded range of features and enhancements, including new innovative features not available from any other vendor. Improvements in version 4.0 have been made in the following areas:

vSphere Support

Veeam Monitor 4.0 is compatible with VMware vSphere 4. Whether you are already using vSphere, or just starting to evaluate it – you can put your vSphere vCenter under the Veeam Monitor umbrella, thanks to its ability to add multiple V13 or vSphere vCenter servers, and even standalone ESX hosts, to a single monitoring pane.

Storage Monitoring

Veeam Monitor 4.0 introduces full storage monitoring capabilities including disk space, disk issues and datastore monitoring. The latter allows for viewing datastore load information aggregated from disk utilization statistics of all VMs and hosts using the specific datastore. This allows you to see the actual cumulative load on a particular datastore, and set up an alarm that fires off when a datastore load is above the specified threshold. Datastore I/O monitoring is a unique Veeam Monitor feature not available from other VMware monitoring applications.

Hardware Monitoring

Veeam Monitor 4.0 can now monitor hardware sensor information through CIM/SMASH. This allows the VMware monitoring team to track physical hardware status (including ventilation, enclosure, power and other subsystem status) directly in Veeam Monitor. This eliminates the need for service-console-based hardware monitoring agents, which are not supported on ESXi servers. Alarms can also be used to send automatic e-mail notification or SNMP trap for legacy SNMP monitoring framework; or to perform custom actions when hardware status changes.

Process Monitoring & Management

Veeam Monitor 4.0 provides the ability to drill down into individual Windows or Linux OS VMs to monitor the true performance metrics of running processes from inside a VM without having to open the VM console. Whether you run virtual server or VDI workloads, this capability allows you to easily find out how many resources a specific application is consuming, and even terminate some of the processes or restart some of the services as needed. This functionality is also supported for ESX and vCenter servers, allowing you to quickly fix unresponsive servers by shutting down misbehaving processes.

Scheduled Reporting

You can now automate the creation of periodic trend and capacity analysis reports. Multiple advanced options are available to help with automatic publishing of these reports to a file share, SharePoint library, or any other system via custom script options. Additionally, a new VM Uptime report has been added to allow tracking whether a specific VM meets its SLA levels.

Improved Performance

Based on feedback from large customers, performance of the data collector has been tuned to be able to reliably collect data from larger environments. Scalability improvements will be especially noticeable when Veeam Monitor is connected to vCenter 4.0. The Veeam Monitor client has also been improved to generate performance charts significantly faster.

Other enhancements

Numerous additional enhancements requested by our customers are also included to make Veeam Monitor even easier and more convenient to use:

- **New performance chart view mode.** This mode allows you to show all VMs under the selected VI object on a single performance chart, giving you the ability to conveniently compare performance and resource usage for multiple VMs.
- **Improved security and single sign-on models.** If a Veeam Monitor user account is added to the Veeam Monitor trusted group, that person can use Veeam Monitor without having to re-enter credentials for each ESX server or vCenter they want to drill down or connect to.
- **“Lowest Load” statistics.** Similar to the “Top Load” tab, this new tab allows you to quickly see the least loaded ESX hosts in your infrastructure, making it clear where to place additional VMs.
- **New alarms.** In addition to multiple new alarms around the new functionality discussed above, a new alarm has also been added for notifying on CPU Ready parameters.
- **Remove all deleted VMs at once.** You can now remove all deleted VMs from Veeam Monitor with a single click of the mouse, as opposed to removing them one by one as with the previous version.
- **Other minor features** including support for Windows 2008 and x64 bit operating systems, the ability to customize graph colors, support for unattended Veeam Monitor client setup, enhanced SMTP server compatibility and more.