Software

Foglight for Storage Management

Monitor physical storage for optimal virtualization performance.

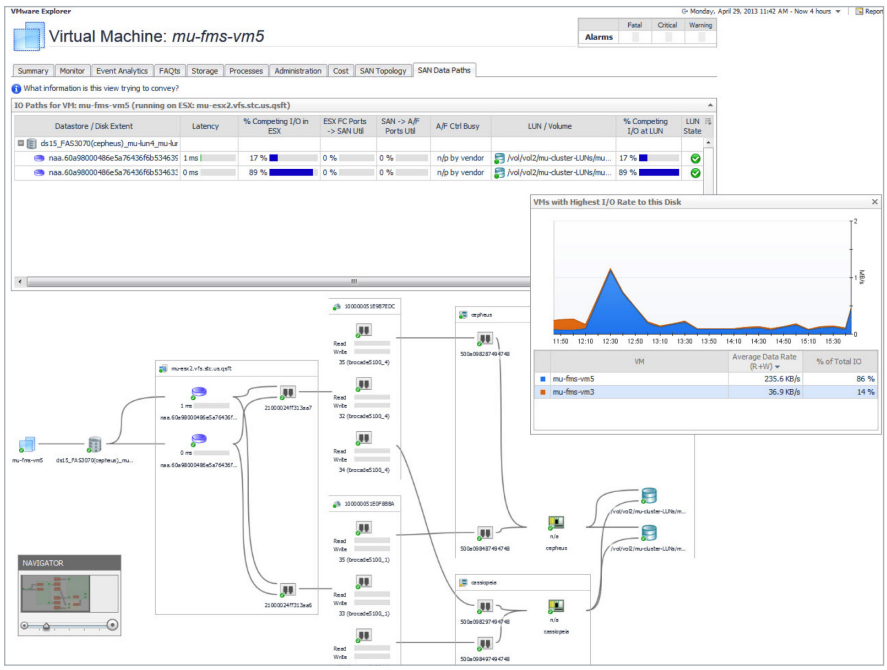
Achieving optimal performance for your virtual servers is easy when you have complete visibility into your critical storage subsystems. Foglight for Storage Management (formerly vFoglight Storage) combines information from storage arrays and fabrics with the information available from VMware vCenter to provide unified data analysis from the virtual machine (VM) down to the physical disk spindle.

Foglight for Storage Management delivers the full view of virtualization performance by:

- Uncovering when VM performance issues are originating within storage hardware
- Identifying which VMs will be impacted by storage issues or planned storage hardware maintenance
- Exposing physical storage capacity as a component of VM performance
- Allowing the virtualization administrators and the storage administrators to troubleshoot from a single pane of glass

Feature highlights

Uncover storage issues impacting VMs
Determine whether VM performance issues are originating in the host, fabric, or storage array. Drill down into the specific metrics of each target device for granular detail about current or historical performance issues to pinpoint the root cause of a



View your entire storage subsystem from the 10K ft level to get a quick understanding for the health and performance of its sub components.

Foglight for Storage Management combines information from VMware vCenter to provide unified data analysis from the VM to the physical disk spindle.

Benefits:

- Reveal the virtual machine-to-physical disk topology of the physical storage hardware supporting logical datastores
- One-click troubleshooting to identify and remediate VM performance issues that originate within physical storage
- Granular performance monitoring and alerting for the entire storage datapath
- Monitoring the amount of available storage capacity for heterogeneous storage environment from a single pane of glass
- Provides actionable insights for storage optimization to control operational expenditures (OPEX) and capital expenses (CAPEX)

Minimum requirements (Small environment)

Operating system
Windows Server 2003 SP2 x64 (or later) with .Net Framework 3.5 SP1

Hardware platform
CPU: 2.4 Ghz CPU(s) with eight cores total
Storage: 250GB
RAM: 20GB
Network: 100 BaseT minimum with GBit network recommended

Integration
Foglight for Virtualization Management, Enterprise Edition
Microsoft Active Directory Performance Monitoring Cartridge
Microsoft Exchange Performance Monitoring Cartridge
Foglight APM
Foglight for Database Performance

Technical support
For technical support, please visit: http://support.quest.com

Get started today
Download Foglight for Storage Management, storage and virtual operations management software designed specifically for virtualization experts, at http://www.quest.com/foglight-for-storage-management/

given degradation. Foglight for Storage Management delivers end-to-end virtual infrastructure monitoring with logical visualization to help identify bottlenecks in the storage topology which are impacting VM performance.

Recognize which VMs are affected by storage hardware devices

By identifying which VMs will be affected by maintenance or technical issues with individual storage components, Foglight for Storage Management allows you to plan ahead and take action to prevent downtime for your VMs. You can also see which components are connected downstream all the way to the physical disk, and assess how much I/O is passing through each piece of hardware. This visibility allows you to alert system administrators when issues, changes, or maintenance events in storage will impact application performance.

Visualize how storage capacity is related to VM performance

Proactive scrutiny of physical storage hardware allows for increased up-time by preventing a lack of available storage on overcommitted storage pools and aggregates. To extract the best mix of performance and efficient utilization from thinly provisioned datastores, it is critical that a deep view of the underlying subsystems can be included in the overall virtualization strategy. Foglight for Storage Management provides the level of granularity at the physical layer to overcommit resources with confidence.

Identify a single version of the truth, via a single pane of glass

Providing a unified and logical end-to-end view of the virtualization infrastructure gives you and other administrators across multiple areas of responsibility the data needed to understand how separate systems impact overall VM performance. Foglight for Storage Management helps identify storage bottlenecks, provides clear reporting related to which VMs will be impacted by storage issues, proves the origin of VM performance issues, and delivers one-click troubleshooting to identify and remediate those problems. This clear and linear visualization, from the VM to the physical disk, puts an end to the performance monitoring blame game.

How Foglight for Storage Management works

Foglight for Storage Management collects information from VMware vCenter and the storage hardware itself. This data is fed into an analytics engine which gains insight across the entire virtual environment to:

- Profile the chain of hardware linking VM or physical host to disk
- Compare utilization data to allocated VM resources at the datastore level
- Detect bottlenecks residing in any hardware component in the storage infrastructure
- Identify how VMs are contributing to the workload on the storage infrastructure
- Detect datastores and physical storage components that are running out of availability

Foglight infrastructure solutions

Foglight for Storage Management is part of the Foglight Infrastructure family of products. Capabilities include monitoring, configuration management, planning, optimization, reporting and chargeback in virtual environments and cloud deployments.

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