

*Managing the information that drives the enterprise*

# STORAGE

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## The 15 top new or enhanced products

### **ALSO INSIDE**

Just don't call it disaster recovery

Why NAS is doomed

The longer you virtualize, the smarter you get

The truth about global dedupe

2011 will be a busy year for storage managers



## Storage Management Tools

# silver: Quest Software Inc. vFoglight Storage 1.0



Quest Software's vFoglight Storage 1.0 agentlessly collects information from VMware Inc.'s vCenter/vSphere, SAN switches, and storage arrays and filers to supply end users with metrics on performance and capacity to troubleshoot storage-related I/O problems in the virtual infrastructure.

The product's distinguishing characteristics include the visibility it provides beyond the virtual data store to the physical

storage, as well as the ability to roll back in time to enable administrators to see the underlying topology and performance metrics, from virtual machine to disk, at the time a problem occurred.

Topology and on-the-fly graphical views display the relationships between different pieces of the virtual and physical storage infrastructure, and alerts and alarms spotlight deviations from accepted best practices. The product also provides out-of-the-box reports on performance, capacity and alarms.

"This goes above and beyond the standard storage performance tools," an IT professional on the judging panel commented.

One of the judges commented, "Excellent and useful metrics to help get the value out of storage assets that already have been purchased and deployed."

Metrics detected and displayed include latency, IOPS, MB/sec throughput, and the number of reads and writes. Capacity metrics include size, used/committed and number/amount of entities (ports, controllers, memory, cache).

The product currently supports all NetApp Inc. filers (both iSCSI and Fibre Channel) with the exception of the V-Series, and EMC Corp. Clariion C Series arrays (both iSCSI and Fibre Channel). Quest plans to add support for other storage systems from EMC, as well as those from Dell Inc., Hewlett-Packard Co., Hitachi, IBM and other vendors.

The vFoglight product can monitor Fibre Channel switches that support Brocade Communications Systems Inc.'s SMI Agent and Cisco Systems Inc.'s SAN-OS.

Pricing for vFoglight Storage 1.0 is \$499 per CPU socket. Each physical CPU socket on a VMware ESX Server host source requires one CPU license; a quad processor ESX Server host requires 4 CPU licenses.

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2010 Products of the Year

Replication revisited

NAS for virtual servers

Server virtualization benefits

Global dedupe explained

Your 2011 storage plans

Sponsor resources



## How the *Storage* magazine/SearchStorage.com Products of the Year works

SearchStorage.com and *Storage* magazine invited enterprise data storage product companies to nominate their new or enhanced products for the 2010 Products of the Year awards. For previously available products, the upgrade must have incorporated major new features that were designed to meet new or evolving user needs.

Products could be entered in one of five categories: [backup and disaster recovery software and services](#), [backup hardware](#), [disks and disk subsystems](#), [storage management tools](#) and [storage networking equipment](#).

Products were judged by a panel of users, analysts, consultants, and *Storage* magazine and SearchStorage.com editors. Products were rated based on six criteria: innovation, performance, ease of integration into environment, ease of use and manageability, functionality and value.

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## STORAGE MAGAZINE/SEARCHSTORAGE.COM 2010 PRODUCTS OF THE YEAR FINALISTS

### BACKUP AND DISASTER RECOVERY SOFTWARE AND SERVICES

- Asigra Inc. Cloud Backup v10
- Bocada Inc. Prism
- CA ARCserve D2D r15
- CommVault Systems Inc. Simpana 9
- Copiu Inc. Data Manager 2.0
- StorageCraft Technology Corp. StorageCraft ShadowProtect 4.0
- Symantec Corp. Backup Exec 2010
- Symantec Corp. NetBackup 7
- TwinStrata Inc. CloudArray
- Veeam Software Backup & Replication 5.0

### BACKUP HARDWARE

- Cirtas Systems Bluejet Cloud Storage Controller
- EMC Data Domain Global Deduplication Array with EMC Data Domain Boost
- Nexsan Corp. DeDupe SG 2.0
- Overland Storage Inc. NEO 8000e
- Quantum Corp. DXi6500 Family (DXi6530, DXi6540 and DXi6550)
- Spectra Logic Corp. T-Finity
- Tandberg Data AccuVault RDX 1TB

### DISKS AND DISK SUBSYSTEMS

- Avere Systems Inc. FXT 2700
- Dell EqualLogic PS6010XVS
- EMC Corp. Clariion CX4 Software and Unified Management
- EMC Corp. VPLEX
- FalconStor Software Inc. NSS SAN Accelerator
- Hitachi Data Systems Virtual Storage Platform (VSP) with Hitachi Command Suite (HCS) management software
- IBM Scale Out Network Attached Storage (SONAS)
- Isilon Systems Inc. Unified Scale-Out Storage
- Nimbus Data Systems Inc. S-class Sustainable Storage System
- Oracle Corp. Sun ZFS Storage 7420 Appliance
- StorSimple Inc. Appliance 1010
- Violin Memory Inc. 3000 Series Flash Memory Array

### STORAGE MANAGEMENT TOOLS

- balesio AG FILEminimizer Server
- DataCore Software Corp. SANsymphony 7.0
- Gluster Inc. GlusterFS 3.1
- Nasuni Corp. Nasuni Filer 2.0
- Nexenta Systems Inc. NexentaStor 3.0
- Quantum Corp. StorNext 4.0
- Quest Software Inc. vFoglight Storage 1.0
- Rackspace Hosting Inc. Cloud Files

### STORAGE NETWORKING EQUIPMENT

- Brocade Communications Systems Inc. FC8-64 Blade for the Brocade DCX Backbone Family
- Cisco Systems Inc. MDS 9148 Multilayer Fabric Switch
- LSI Corp. SAS6160 switch
- Silver Peak Systems Inc. VX-5000 WAN optimizer
- Virtual Instruments SANInsight TAP Patch Panel System
- Voltaire Inc. Storage Accelerator software