

## StorageConsole :: *Virtualization Manager*

**Illuminate** virtualized environments with APTARE StorageConsole Virtualization Manager to increase management and efficiency of your storage resources. Gain insight on how to plan, manage and optimize storage allocated to virtual systems to improve efficiency and reduce costs.

### PLAN FOR A SMOOTH TRANSITION TO VIRTUALIZED ENVIRONMENTS

Virtualization of server environments offers great promise in improving the overall efficiency of today's data centers. However, deploying applications and their associated operating systems as virtual machines on an ad hoc basis often results in inefficient utilization of the physical resources making up the virtual environment. APTARE® StorageConsole® Virtualization Manager can provide insight into understanding how to plan for managing storage resources in a virtualized environment.

- View current physical storage capacity making up the virtualized environments.
- Make informed decisions on how best to deploy an application in a virtualized environment.
- Get a clear picture of your entire existing virtual environment.

### IMPROVE PERFORMANCE OF THE VIRTUAL INFRASTRUCTURE

One of the main concerns in implementing server virtualization with networked storage is performance. The ability to understand how to balance networked storage, remove I/O contention across a set of virtual machines, and determine potential I/O bottlenecks is critical. With APTARE StorageConsole Virtualization Manager, users can tune each virtual machine to ensure adequate performance.

- Ensure that a virtual machine is on the correct tier of physical storage.
- Determine if each virtual machine has the right amount of resources needed to meet performance objectives.
- Identify potential contention issues that directly affect the performance of a virtual machine.

### MAXIMIZE UTILIZATION OF VIRTUAL ENVIRONMENTS

Virtualized environments place heavy demands on real resources such as network bandwidth and unused or underutilized storage, as the number of virtual machines hosted on physical servers grows. APTARE StorageConsole Virtualization Manager can help maximize the use of existing storage resources within the data center by identifying storage resources that are supporting a virtual environment.

- Directly map the storage used by each virtual machine down to the actual storage array itself.
- See which virtual machines are over or underutilizing their allocated storage.
- Understand the overall capacity allocation to actual usage of virtual storage.

## :: Customizable Dashboards



Easily create and share customized dashboards with drag-and-drop reports

## :: VM Summary



Easily manage all virtual machines and resources across your enterprise

## :: Datastore Summary



Quickly view datastore utilization across your virtualized environment

**MONITOR VIRTUAL RESOURCE USAGE**

Another difficult task is to determine the actual usage of physical resources in virtual environments. With APTARE StorageConsole Virtualization Manager, users can determine each virtual machine's actual resource utilization.

- Obtain runtime statistics for each virtual machine.
- Obtain storage resource utilization at the file system, logical disk and virtual disk level for individual virtual machines.
- Produce chargeback reports based on virtual machine consumption levels, with associated costs based on user-defined pricing.

**FORECAST VIRTUAL RESOURCE DEMANDS**

APTARE StorageConsole Virtualization Manager features a predictive analysis engine that forecasts your future storage capacity needs in virtualized environments, based on current usage levels and growth metrics.

- Examine historical and current storage resource allocations for each virtual machine.
- Examine historical and current storage mappings.
- Understand how these storage views are growing or shrinking at an individual virtual machine level.

**THE APTARE STORAGECONSOLE PLATFORM**

The foundation for APTARE StorageConsole Virtualization Manager is the APTARE StorageConsole platform. APTARE StorageConsole is a Web 2.0 platform that delivers comprehensive reporting and management tools for storage environments – virtual and real storage resource management along with replication and backup management.

**APTARE StorageConsole Product Suite**

Gain even more insight into your storage environment by using the suite of APTARE StorageConsole products.

APTARE StorageConsole Backup Manager  
 APTARE StorageConsole Capacity Manager  
 APTARE StorageConsole Replication Manager  
 APTARE StorageConsole Virtualization Manager

**SPECIFICATIONS****Supported VM Environments**

VMware: ESX Server 3.0+, 4.0

**Portal OS**

Windows 2000, 2003, or 2008 Server, Red Hat Enterprise Linux 4 & 5, SuSE Linux Enterprise 9 & 10

**Supported Browsers**

**Apple Mac OS X:** Safari 3.2+, Firefox 2.0+

**Linux:** Firefox 2.0+

**Microsoft Windows:** Internet Explorer 7.0+, Firefox 2.0+, Safari 3.2+



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