

Manage Midrange Storage in Enterprise Environments

WebTech Q&A Session – April 28, 2010

1. Can reports be generated through a scheduler?

Hitachi Storage Command Suite components support CLI interfaces but do not currently have a built-in task scheduler. Instead the task scheduling mechanism specific to the OS is used.

2. For Hitachi Tuning Manager to show VMware information, at which level are agents installed? Virtual Center, ESX or VM?

No agents are required for visibility into the VMware ESX server and VMFS and Hitachi Universal Storage Platform® VM relations. Hitachi Device Manager and Tuning Manager obtains VMware information through a variety of mechanisms including VSphere and individual ESX system VMAs. You may still wish to install the agent in individual VMs as your requirements dictate.

3. A challenge we currently have with the Hitachi Data Systems subsystem is to be able to see how much capacity is installed, allocated and unallocated per storage tier within a system when we have more than one disk size per tier in a system. Could you show us how to do this?

Use Device Manager's Logical Groups and LDEV labels to differentiate your tiers. Then you can manage and report on individual tiers using those logical groups or LDEV labels.

4. I am unclear on the capability of Hitachi Device Manager to display the storage configuration details with regard to VMware. Can Hitachi Device Manager show the details of VM guests for a particular VM host server without installing the Hitachi Device Manager client on each guest?

Yes, agents are required for visibility into the VMware ESX server and VMFS and Hitachi Universal Storage Platform VM relations. Hitachi Device Manager and Tuning Manager obtains VMware information through a variety of mechanisms including VSphere and individual ESX system VMAs. You may still wish to install the agent in individual VMs as your requirements dictate.

5. What needs to be installed on the Hitachi Device Manager server to see the more detailed array info from the resources tab on a Hitachi Adaptable Modular Storage 2000 system?

Storage Navigator Modular 2 also to be installed locally on the server and the SNM2 instance needs to be set in a property file for the Device Manager instance. Details are in the installation guide.

6. Do all of your subsystems need to be virtualized through an enterprise system to fully use Hitachi Device Manager?

No. Hitachi Device Manager can also directly manage all Hitachi storage, including the AMS2000 line.

7. What's the difference between "add like storage" and "add storage"? What is the logical layer in "add like storage" you mentioned in the live demo?

You can provision more simply from an application point of view. Using logical groups you can zoom in on storage by application when needed, and "add like storage" to simply provision more of the appropriate particular configuration of storage, using the same settings as the current volumes without re-specifying all the details.