

Hitachi Storage Adapter for Oracle VM enables hot you to monitor and provision Hitachi storage for Oracle virtual machines (VMs) quickly and easily

Hitachi Storage Adapter for Oracle VM

A Single Storage Management Solution for Oracle VMs

Thanks to virtualization, data centers have become more efficient, higher performing and more cost-effective. As virtual environments expand and business demands evolve, however, organizations are encountering new server and storage management challenges.

Data center managers must control storage budgets and help administrators to efficiently plan for future storage

In a mission-critical environment with hundreds or thousands of virtual servers storing data on multiple Hitachi storage systems, Hitachi Storage Adapter for Oracle VM is an essential tool.

This adapter enables you to centrally monitor, manage and protect the virtual machines and storage infrastructure from an intuitive, simple-to-use interface.



Capabilities

As shown in Figure 1, Hitachi Storage Adapter for Oracle VM provides the following capabilities:

- Provision Hitachi Dynamic Provisioning volumes, RAID group, and parity group volumes for Oracle VMs.
- Instantly clone Oracle VMs within Hitachi storage systems and converged infrastructure solutions.
- Increase storage capacity utilization for Oracle VMs.

- Accelerate productivity and improve efficiency through storage-hardware-assisted virtual machine cloning.
- Centrally manage the virtual machine, storage and converged infrastructure from a single user interface.

The browser-based Oracle VM Manager, included with Oracle VM, provides integrated, in-depth health and performance monitoring, configuration management and life-cycle automation. For maximum operational efficiency, Oracle VM Manager offers these capabilities for both virtual

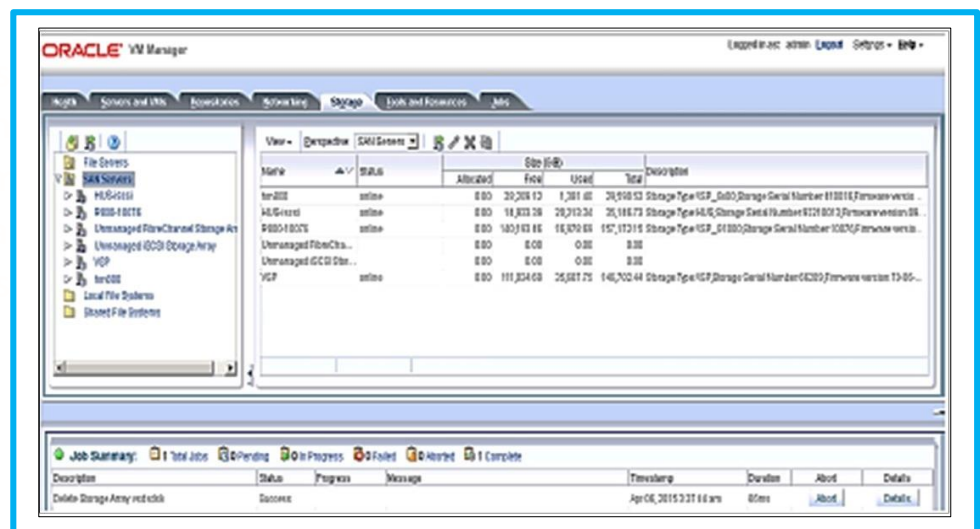


Figure 1. Centralized and simple virtual machine management.

and physical infrastructure, and for Oracle and non-Oracle applications. Hitachi Command Suite can be used in parallel with Oracle VM Manager to provide comprehensive and granular management of all Hitachi storage system capacity.

Technical Considerations

Before starting installation of Oracle VM Manager, download the software from, <http://edelivery.oracle.com/oraclevm> (there may be a charge). Use the following link to access the installation and upgrade guide for Oracle VM Manager:

http://docs.oracle.com/cd/E20065_01/doc.30/e18548/toc.htm#BEGIN.

Hitachi Storage Adapter for Oracle VM is supported by the Hitachi storage and converged systems, software and operating systems shown in Table 1.

Solutions for Oracle Databases

With over 20 years of Oracle expertise, Hitachi Data Systems has solutions, services, tools and expert system knowledge to support the largest and most demanding Oracle customers worldwide.

Services to Help You Succeed

Hitachi Data Systems Global Services offers experienced Oracle database solution consultants, proven methodologies and a comprehensive services portfolio to assist you in implementing Hitachi products and solutions. For more information, visit www.hds.com/services.

For More Information

To learn more about how Hitachi Data Systems can help you with database storage management and to read more about our solutions for Oracle, visit www.hds.com/oracle. Or, contact your local sales representative or solutions consultant

TABLE 1. HITACHI STORAGE ADAPTER FOR ORACLE VM: SUPPORT AND AVAILABILITY

Hitachi Storage Systems	<ul style="list-style-type: none"> ▪ Virtual Storage Platform VSP G1000, ▪ Virtual Storage Platform mid-range systems including: VSP G200, VSP G400, VSP G600 and VSP G800 ▪ Virtual Storage Platform F-Series (all flash) including: F400, VSP F600, VSP F800 ▪ Unified Storage (HUS) 100 family, including: HUS 110, HUS 130 and HUS 150 ▪ Adaptable Modular Storage 2000 family
Oracle Software	<ul style="list-style-type: none"> ▪ OVS server 3.3.3 ▪ OVM manager 3.3.3 ▪ OVS server 3.3.4 ▪ OVM manager 3.3.4 ▪ OVS server 3.4 ▪ OVM manager 3.4 ▪ Oracle JDK 1.7
Required Hitachi Software	<ul style="list-style-type: none"> ▪ RAID MANAGER/Command Control Interface 01-36-03/04
Replication Software	<ul style="list-style-type: none"> ▪ Hitachi ShadowImage