


Hitachi Converged Platform for Oracle® Database



Hitachi Converged Platform for Oracle Database integrates compute and storage components from Hitachi, industry-standard networking and software optimized for Oracle applications. This solution is validated by Hitachi Data Systems to ensure consistent, predictable results.

Predictable Performance for Demanding, Dynamic Oracle Database Environments

To keep up with the growth of Oracle databases, companies have rushed to add storage and servers without considering how existing storage resources might be better utilized. This often requires the addition of more administrators and software layers to manage the expansion of resources. Without a holistic strategy for optimizing the Oracle environment, unsystematic growth and its associated uncontrolled costs can create an increasingly expensive cycle.

Through a combination of our solutions and expertise in Oracle environments, Hitachi Data Systems can help companies control capital and operational costs, while increasing performance, data protection and flexibility. We can help ensure the right information is available in the right place, at the right time – and for the right cost.

Hitachi Converged Platform for Oracle Database is engineered, pre-tested and qualified to provide predictable performance

and the highest reliability in demanding, dynamic Oracle environments, something Hitachi has been doing for over 20 years. This solution combines Hitachi compute and storage components and is validated to ensure consistent, predictable results.

Business Benefits

Predictable Performance, Reduced Risk

- Predictable, repeatable, reliable results with pre-validated reference architectures
- Faster speed to deploy and increased ability to meet changing needs, with a single source for components and prescriptive guides
- Massive throughput and unprecedented configuration flexibility of Hitachi Compute Blade
- Extreme reliability of Hitachi Unified Storage and its symmetric active-active controllers
- Nondisruptive, high-speed data replication that enables immediate use of data in decision support, software testing and development, and data protection operations
- Logical snapshot data replication, which allows immediate use without impacting host service or performance levels
- Delivery of high performance and reliable backup and recovery via Oracle Enterprise Manager and Oracle Recovery Manager
- Simplified and centralized storage management with Hitachi Command Suite

Capabilities

A Single Storage Management Solution for Oracle Applications

The Oracle® Enterprise Manager Grid Control System Monitoring Plug-in for Hitachi Storage allows database and storage administrators to monitor and manage their storage infrastructure from within Oracle Enterprise Manager Grid Control.

The Oracle® VM Storage Connect Plug-in for Hitachi Storage systems allows administrators to monitor and manage their Oracle virtual server and Hitachi storage infrastructure from within Oracle VM Manager and Oracle Enterprise Manager Grid Control System.

Integrated Backup, Recovery and Restore for Oracle Databases

The Oracle® Recovery Manager Adapter for Hitachi Storage systems allows administrators to manage backup and recovery from within Oracle Enterprise Manager Grid Control System.

Configurations

Blade Servers with Modular Storage

Hitachi Converged Platform for Oracle Database consists of Hitachi Compute Blade 2000 (CB 2000) and Hitachi Unified Storage 150. Together, they create the building blocks providing predictable reliability and performance.

With CB 2000, your compute platform can adapt to business demands by scaling the number of blades and by combining up to 4 blades to create a single powerful application platform. The Hitachi hybrid I/O architecture allows you to exploit the benefits of both rack and blade server I/O designs, enabling the consolidation of different workloads within a single compute platform.

Hitachi Unified Storage 150 features a symmetric active-active controller with dynamic load balancing. This includes native multipathing and host load balancing to spread I/O

SPECIFICATIONS

Compute Chassis	Hitachi Compute Blade 2000
Blade Servers	Xeon 7500, 8 cores per blade; up to 256GB RAM per blade
Storage System	Hitachi Unified Storage 150
I/O acceleration	PCI-E SSD flash
Storage Transport	8Gb FC-AL
Storage Interface	6Gb SAS
Hitachi Management Software	Hitachi Compute Blade 2000 conductor Hitachi Command Suite Hitachi Dynamic Provisioning Hitachi Storage Navigator Modular 2
Oracle Management Software	Oracle Enterprise Manager Grid Control System Oracle VM Manager Oracle Recovery Manager
Operating Systems	Oracle Linux (RHEL compatible kernel) Red Hat Enterprise Linux

Note: Software sold and licensed separately. HDS does not resell Oracle software.

workloads across resources; it makes setup faster, reducing administrator and software costs, and optimizing performance.

For More Information

To learn more about how to effectively plan and deploy a converged solution for Oracle databases in your environment, please contact your Hitachi Data Systems representative or visit www.HDS.com/oracle.

Hitachi Data Systems does not sell Oracle applications. These products can be purchased through Hitachi TrueNorth™ Partners.

At Your Service

Hitachi Data Systems Global Solution Services offers market-leading storage consultants, proven methodologies and a comprehensive Professional Services portfolio to help manage your infrastructure. Our team of storage professionals understands the latest in storage and related technologies

and complex IT architectures, and takes a strategic approach to services by linking technology to business requirements. That means we can deliver a best-fit, high-performance solution tailored to meet precise business needs.

Hitachi Consulting

Hitachi Consulting provides a wide range of application services for Oracle environments, including assessments and readiness, architecture design, solution implementation and deployment.

Contact your Hitachi Data Systems Global Solution Services representative to develop a custom solution for your environment. They can bring in the appropriate resources to develop the right solution for you.



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