



Top 10 Reasons Why To Choose Hitachi Unified Compute Platform 2000 Converged Systems

SIMPLIFY YOUR DATA CENTER WITH UCP 2000

1. Rapid deployment.
2. Low acquisition cost.
3. Simple management.
4. Flexible configuration.
5. Support for multiple environments.
6. Enterprise-grade reliability and availability.
7. Cloud-like agility.
8. Easy to grow and scale.
9. Reduced risk.
10. Single-vendor support.

Start Right, Simplify, Grow Smart

Modern enterprises are under growing pressure to introduce digital transformation strategies that uncover new revenue potential and enhance customer loyalty. They must accelerate digital innovation while improving efficiency and maximizing returns on their IT infrastructure investment. These challenges require reliable infrastructure that can deliver cloud-like agility, with improved efficiency and simplified manageability.

Changes must be made in a climate of declining budgets, rapidly changing business and regulatory environments and increasing demands from users and business units.

SOLUTION PROFILE

Below are top 10 reasons why Hitachi Unified Compute Platform 2000 (UCP 2000) is your best choice for smart business operations.

1. Rapid Deployment

UCP 2000 converged infrastructure makes your data center productive faster, with easier planning, procuring, installation and management. By using modular “building blocks” of compute, storage and networking that are built and pretested at the factory, your time to deployment is greatly reduced, and the risk of configuration and installation errors is eliminated. The whole process is designed to shorten your time to production. Management, automation and monitoring are simplified, too, with a single interface to manage the entire stack: It is tightly integrated into VMware or Microsoft, so virtual and physical systems can be managed together without requiring multiple tools. This means that you can spend less time “keeping the lights on” and more time creating innovative business value for your organization.

2. Lower Acquisition Costs

The flexibility of a UCP 2000 configuration allows you to invest in only the infrastructure you need to support business needs, eliminating unnecessary upfront capital expenditure (capex) investments. Compute and storage can be scaled independently to eliminate overprovisioning for capacity or performance. The operational environment (VMware, Microsoft or Open Stack) ensures maximum efficiency and utilization. Management of the converged stack, performed by Hitachi Unified Compute Platform Advisor (UCP Advisor), is tightly integrated with VMware and Microsoft® hypervisors. This approach enables a virtual infrastructure (VI) administrator to manage the entire setup, without requiring additional staffing or training in specialized skill sets.

3. Simple Management

UCP Advisor provides integrated management, orchestration and automation for the entire converged stack with a single, intuitive interface, eliminating the need for multiple tools and complex processes. Policy-based automation reduces the management workload and eliminates user error. Compute and storage are viewable,

with health monitors for CPU, memory, storage and VM usage across the entire UCP 2000 data center. By integrating with VMware and Microsoft’s core hypervisor products, administrators can apply existing knowledge, best practices and processes.

4. Flexible Configuration

Scale UCP compute and storage components independently to eliminate overprovisioning for capacity or performance. Each of these components includes a choice of options to best match capability of the converged stack to business need. Hitachi Virtual Storage Platform (VSP) options include VSP G series and VSP F series all-flash models. High-density Intel-based servers can be configured with a variety of processor and memory options and a number of Brocade top-of-rack networking options are available.

5. Support for Multiple Environments

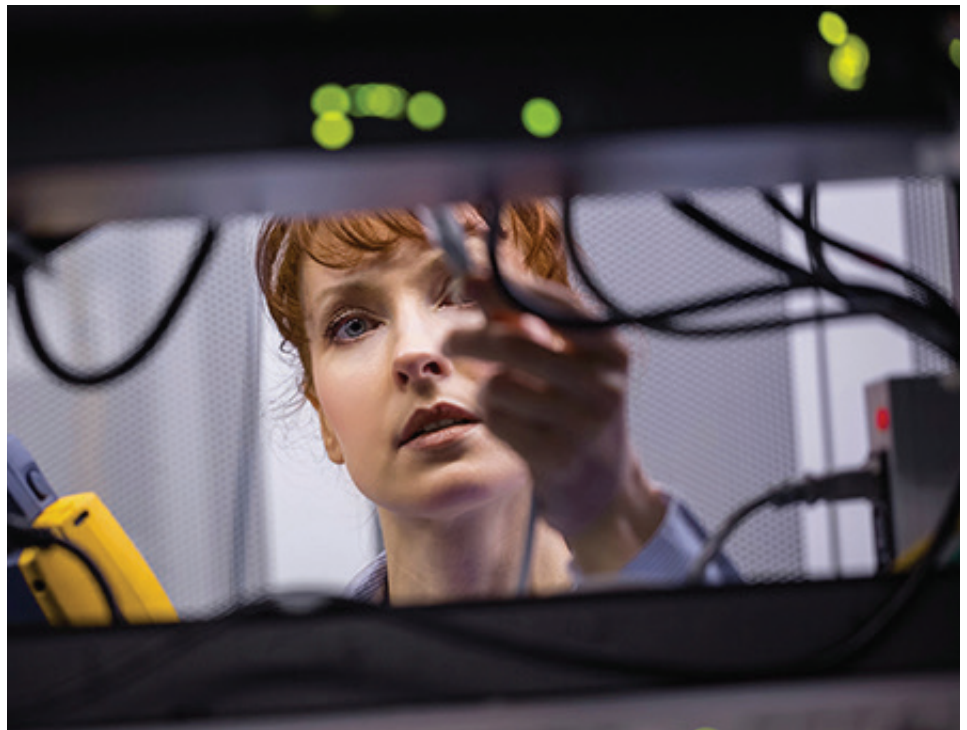
Unlike competitors’ converged infrastructure stacks, UCP 2000 does not limit users to a single operating environment, but allows each organization to select the application environment that best meets its application needs. Options include VMware, Microsoft and Open Stack as well as containers and “bare metal” installations.

6. Enterprise-Grade Reliability and Availability

All UCP 2000 servers, storage and networking components are selected to provide Hitachi’s legendary reliability and high availability to ensure availability and accessibility of virtual machines (VMs) and data. These components include VSP G series and VSP F series models, high-density Intel-based servers and Brocade top-of-rack networking switches. High reliability of the individual components is enhanced further by the design of the UCP 2000 system to tolerate failure of both virtual and physical systems and ensure rapid recovery for business-critical applications.

7. Cloud-like Agility

UCP 2000 allows users to dynamically and flexibly scale both virtual and physical environments. This scalability meets the needs of a wide range of use cases and applications, from data analytics to compute-centric processing to high-throughput transactions. New hardware can be added without downtime, and virtual machines can be configured in minutes to respond to any new workload demand. This flexibility allows you to consolidate traditional infrastructure to run traditional “systems of record” more efficiently. At the same time, you can modernize your data



center to exploit new, agile infrastructure choices to run transformational “systems of innovation,” including cloud-native and mobile applications.

8. Easy to Grow and Scale

UCP 2000 provides a flexible infrastructure that can start small, but easily scale to keep up with business demands that grow and change. The UCP design allows you to independently scale up compute and storage capacity with small increments to cost-effectively meet performance or capacity goals, as needed. As you grow, the UCP Advisor management and automation tool monitors every aspect of your environment to guide your investment decision. It makes managing the expanded environment as simple as your initial deployment.

9. Reduced Risk

UCP 2000 modular “building blocks” of compute, storage and networking are built and pretested at the factory, so your time to deployment is greatly reduced, and the risk of configuration and installation errors is eliminated. All the components

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provide Hitachi’s legendary reliability and high availability to ensure availability and accessibility of VMs and data. Hitachi data protection and disaster recovery solutions are available to deliver resilient infrastructure for applications with near-zero downtime tolerance. Software provides resilience to tolerate failure of virtual and physical systems and ensure rapid recovery for business-critical applications. In addition, management automation tools dramatically reduce user errors during configuration and maintenance.

10. Single-Vendor Support

With this HDS solution, you have one vendor to deal with for the life cycle of UCP 2000, from design to implementation. You receive all-in-one support for the entire converged stack, including hardware and software, eliminating handoffs and miscommunication between component vendors. Dealing with one vendor streamlines the support process, and issues are resolved faster. Hitachi’s global OEM partnership with VMware ensures that VMware software is preloaded, reducing IT workload, and provides support from Hitachi.

More About
UCP 2000

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