Solution Profile

Transforming IT Infrastructure Management with Hitachi Vantara's UCP Advisor Solution

Executive Summary

In the rapidly evolving technology landscape, businesses require an IT infrastructure that not only supports but accelerates their growth as well. IT Managers face the challenge of minimizing downtime and reducing maintenance windows while enhancing control over workload deployments. Additionally, there is a growing need for infrastructure that supports high-performance applications, scales effectively, and integrates seamlessly across the enterprise, tailored to specific business purposes. Ease of use and multitenancy that support diverse business demands are also critical requirements. Furthermore, this infrastructure must provide efficient data protection for low latency workloads. Hitachi Vantara's UCP Advisor offers a transformative solution that converts the IT backbone into a dynamic asset, driving unparalleled efficiency and performance.

Hitachi Vantara's Unified Compute Platform (UCP) Advisor unlocks the full potential of your IT infrastructure in several ways. It empowers your storage infrastructure with robust support for a range of servers, ensures your infrastructure is ready to handle any workload with ease and efficiency. It also creates a seamless VMware integration experience with the power of vSphere parallel upgrades for servers, reducing downtime and maintenance windows. This includes localization and theme support for the vCenter plugin, along with automated HA and DRS configurations, make managing your clusters simpler and more effective.

Additionally, distinctive competitive UCP Advisor features include benefits from Hitachi Vantara's VSP One Block 20 support and 9316D-GX 400G spine switch compatibility for 100G end-to-end host connectivity. With support for the 93180YC-FX3H Cisco 24 port switch, HA server power metrics, iSCSI storage protocol, and GAD enhancements, UCP Advisor stands out as a comprehensive management tool.

Enhanced appliance capabilities provide IT with component-level firmware upgrades for HA servers, embedded help, storage quota support, and a multitenancy UI and API. The updated UCP Advisor dashboard and automated single-node deployment for Day 0 capabilities streamline both virtualization and non-virtualization management stacks.

Key Benefits

- **Reduced Downtime:** vSphere support with parallel remediation lowers maintenance windows.
- **Global Usability**: Localization and theme support for vCenter enhances international support.
- **Enhanced Control:** Advanced HA and DRS settings for better workload deployment.
- **High-Performance Support:** HA 840G3 and Cisco Nexus 9316D-GX switch for high-performance applications.
- **Enterprise-Level Storage:** VSP One Block 20 series arrays and iSCSI protocol support.
- **Efficient Data Protection:** GAD VSM-to-VSM configuration for fast data protection.
- **Streamlined Processes:** Improved prechecks, smaller firmware bundles, and airgap deployment.
- **Ease of Use:** New dashboard, embedded documentation, and multitenancy for better management.

Transform your IT infrastructure into a strategic asset with UCP Advisor Management and drive your business towards greater efficiency and performance.

Seamless Operations

- **vSphere Support:** Minimize downtime with parallel remediation of vSphere Lifecycle Management (vLCM) clusters to ensure continuous and smooth operations.

- **Localization and Theme Support:** Tailor vCenter to meet the needs of a global workforce with enhanced international support for non-English speaking customers.

- Power consumption metrics for HA servers help customers optimize their infrastructure for efficiency.

High-Performance Workload Management

- **HA 840G3 Support:** Deploy dense configurations and high-performance applications such as Oracle and SAP HANA with ease, supported by UCP Advisor.

- **Cisco Nexus 9316D-GX Connectivity:** Achieve 100G end-to-end host connectivity, ideal for bandwidth-intensive applications.

Advanced Storage Solutions

- **VSP One Block 20 Series:** Leverage enterprise-level block storage arrays designed for mission-critical applications.

- **iSCSI Protocol Support:** Implement enterprise applications cost-effectively without compromising performance.

Storage Support Enhancement

- **Global Active Device Configuration:** Protect data with efficient Virtual Storage Machine-to-Virtual Storage Machine configurations, ensuring fast and reliable data recovery.

Enhanced Automation

- **Streamlined Processes:** Benefit from enhanced prechecks during auto-discovery and UCP Expansion, leading to more efficient operations.

- **Firmware Management:** Experience faster uploads and upgrades with smaller, server and switch-specific firmware bundles.

Ease of Use

- **Intuitive Dashboard:** Gain insights into system, device, and spare pool status at a glance, enhancing decision-making capabilities.

- **Embedded Documentation:** Access HTML-based documentation within the system for quick and easy management.

Multitenancy

- Multitenancy allows UCP Advisor customers to divide the UCP infrastructure into smaller isolated domains to improve agility, isolation, security, management, scalability and efficiency.
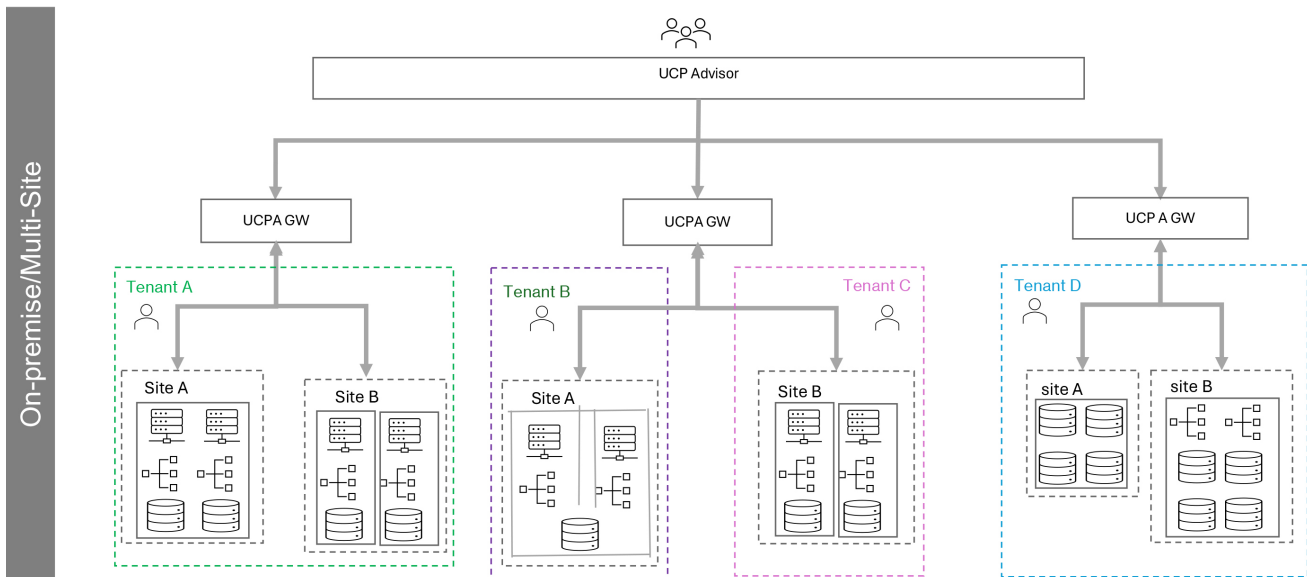

Figure 1. Infrastructure Management Secure Multi-tenancy

Conclusion

Embrace the future of IT infrastructure with a comprehensive storage management solution. These advancements are not just improvements; they are a revolution in how businesses can leverage technology for strategic advantage. Propel your business to new heights with an infrastructure that's robust, agile, and ready for the challenges of tomorrow.

Contact us today to learn how Hitachi Vantara can help you dramatically improve storage efficiency and performance.

Learn more →

About Hitachi Vantara

Hitachi Vantara is transforming the way data fuels innovation. A wholly owned subsidiary of Hitachi, Ltd., we're the data foundation the world's leading innovators rely on. Through data storage, infrastructure systems, cloud management and digital expertise, we build the foundation for sustainable business growth.

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