

Hitachi Unified Compute Platform Advisor simplifies infrastructure operations. Seamless integration allows direct programmatic control of converged and hyperconverged systems.

DATASHEET

Hitachi Unified Compute Platform Advisor

Smart Management for Converged and Hyperconverged Infrastructure

As digital transformation requirements expose challenges within traditional IT infrastructure, IT managers face growing demands for faster delivery of business services. They also experience mounting complications and rising costs as they manage disparate technology resources.

Increasingly, businesses are requiring IT infrastructure management that is highly integrated, with direct programmatic access to infrastructure provisioning, automation, management and monitoring functions. This flexible administration also offers “infrastructure as code,” an important foundation for continuous delivery (CD) and continuous integration (CI) development models.

Simplified, Programmable Management

Hitachi Unified Compute Platform Advisor (UCP Advisor) brings simplified IT administration to virtualized, converged and hyperconverged systems. UCP Advisor brings guided life-cycle management to server, network and storage elements within UCP systems. This management automation capability is tightly integrated into supported hypervisor management tool sets, providing programmability via scripting as well as additional workflow automation tools (see Figure 1). UCP Advisor is designed to manage single or multiple UCP

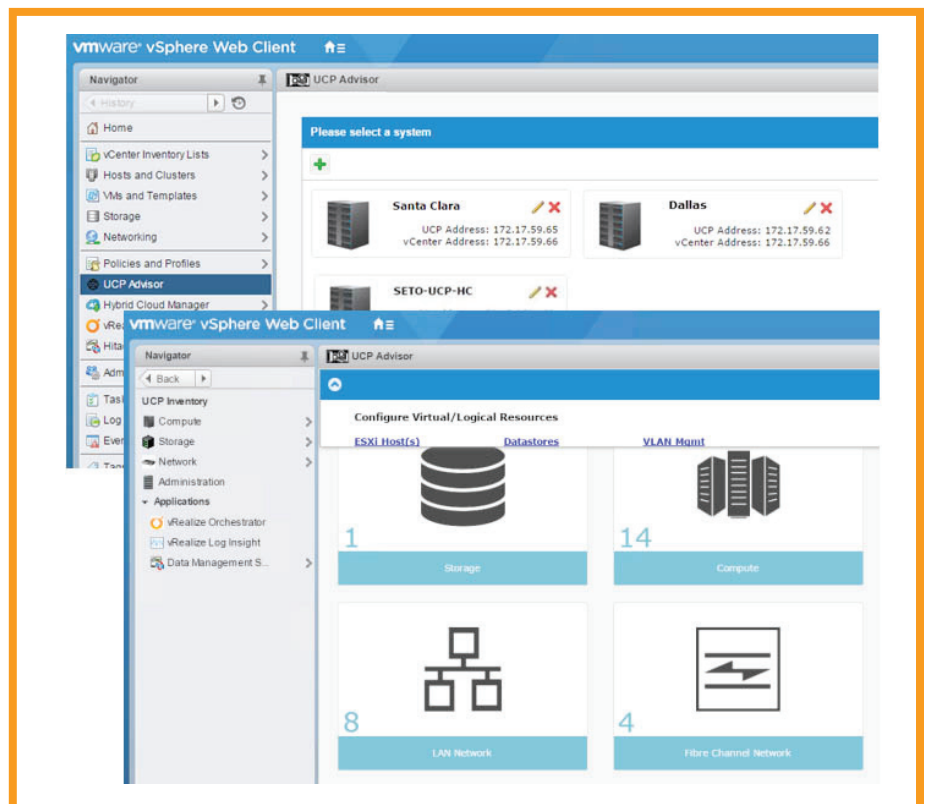


Figure 1. UCP Advisor’s management automation technology is tightly integrated into tool sets from VMware offering smart life-cycle management of virtual, logical and physical resources.

systems of the same model and can be extended with additional functionality by the use of plug-in software modules.

UCP Advisor Benefits

- **Smart life-cycle management.** UCP Advisor provides direct, agentless, management of [UCP 2000](#) and [UCP HC](#), providing full automation over the server, network and storage components (see

Figure 2). Additionally, UCP Advisor provides guided life-cycle management, including firmware upgrades, provisioning, management and monitoring of physical and virtual resources, via operational workflows designed to meet typical day-to-day operational requirements. This includes end-to-end provisioning of VMware ESXi hosts, data stores and virtual LAN (VLAN) synchronization management.

TABLE 1. HITACHI UNIFIED COMPUTE PLATFORM REQUIRED SOFTWARE*

- Required Software**
- VMware ESXi 6.0 or 6.5.
 - VMware vCenter 6.0 or 6.5.
 - VMware vRealize Orchestrator 7.x.
 - VMware vRealize Log Insight 4.x.
 - Hitachi Virtual Infrastructure Integrator**.

* See product documentation for specific version levels supported by latest UCP Advisor release.
 ** Trial License Included

■ **Highly integrated management.** UCP Advisor offers automated management of individual server, network and storage elements, and tightly integrates these management functions into VMware environments (see Figure 3). Administrators familiar with tools from VMware need not learn additional management tools to view and manage all elements within UCP systems. UCP Advisor integrates infrastructure provisioning, workflow orchestration, log analysis, monitoring and troubleshooting, into management tools from VMware, reducing learning curves.

■ **Programmatic access.** In addition to managing infrastructure elements from within native hypervisor management interfaces, UCP Advisor can be managed programmatically via PowerShell scripting, vRealize Orchestrator and other workflow orchestration tools.

■ **Extensible architecture.** UCP Advisor capabilities can be extended with integration of additional modules, such as with the Hitachi Virtual Infrastructure Integrator. Virtual Infrastructure Integrator works with Hitachi Data Instance Director (HDID) to provide modern data protection and copy data management across the IT infrastructure. Virtual Infrastructure Integrator is natively integrated into the UCP Advisor environment, extending system functionality for virtual machine (VM) backup, recovery and

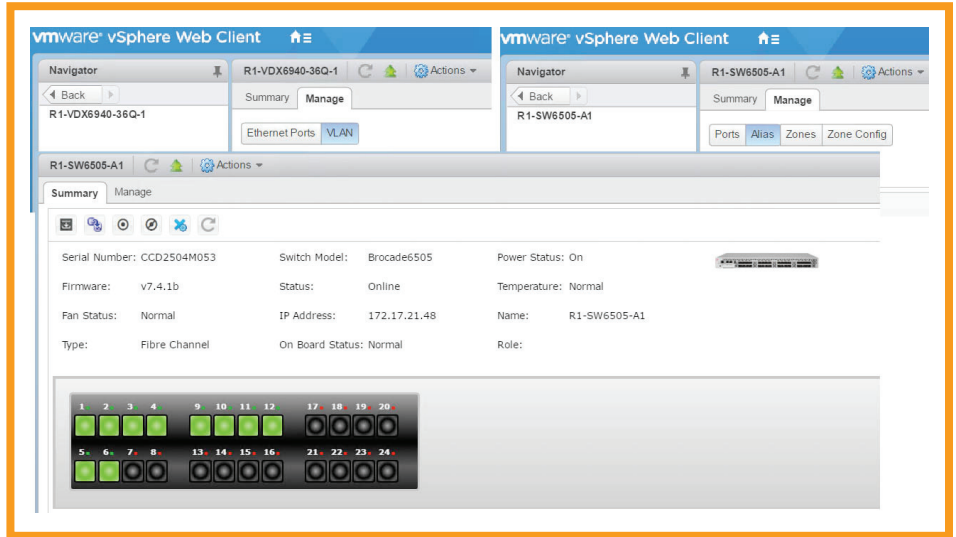


Figure 2. UCP Advisor integrates infrastructure tasks into VMware vSphere for complete single-pane-of-glass control.

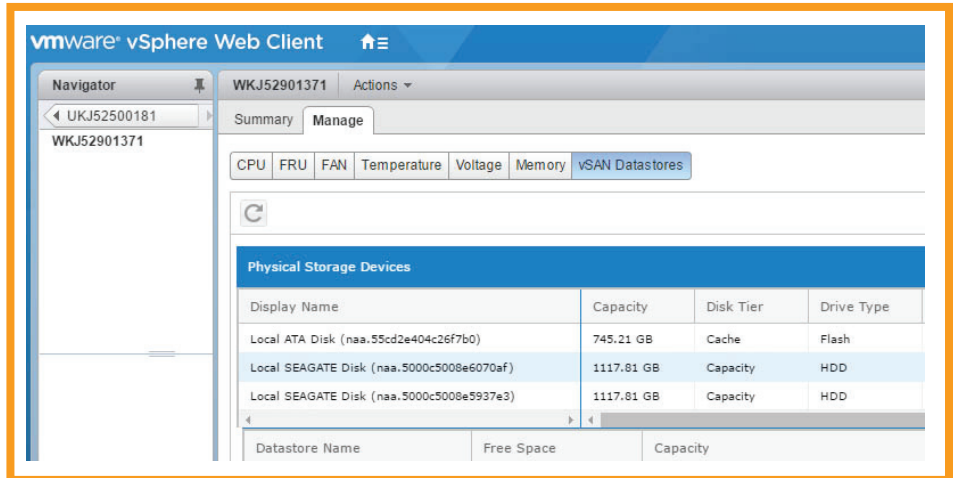


Figure 3. UCP Advisor manages physical aspects of vSAN, including compute firmware management.

copy services, available from either the user interface or direct programmatic access.

Solution Architecture

UCP Advisor architecture for VMware environments supports managing multiple UCP systems with a single vCenter server or enhanced linked mode vCenter configurations. Purchase required and optional VMware software components from HDS, or provide your own VMware components that meet required minimum software versions. Table 1 details required software components and minimum versions.

Summary

Today's infrastructures must include integrated management of individual server, network and storage elements, as well as server virtualization environments. To support next-generation applications and to deliver automation to today's applications, programmatic access is needed. Hitachi Unified Compute Advisor provides smart, converged and hyperconverged infrastructure management that is future proof, through an extensible approach.



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