

DATASHEET

# Hitachi Unified Compute Platform Advisor

## Hitachi Unified Compute Platform Advisor simplifies infrastructure operations. It enables faster deployment with less risk and fewer resources.

Businesses are embracing hybrid cloud to benefit from a combination of on-premises data infrastructure and public cloud, which will increase agility, improve costs, and flexibly grow and manage their operations.

IT operations teams require a unified infrastructure management and orchestration software that provides deep operational visibility and automates manual operations. Enhanced automation and insights result in accelerated provisioning, improved resource planning, and reduced operating expenses.

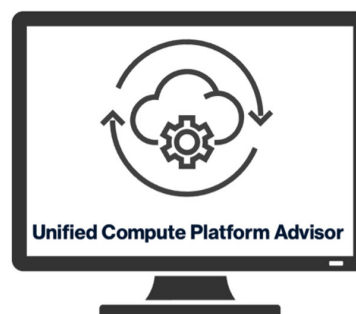
Hitachi Unified Compute Platform Advisor (UCP Advisor) is a comprehensive cloud infrastructure management and automation software that enables IT agility and simplifies Day 0-N operations for edge, core, and cloud environments. The fourth-generation UCP Advisor accelerates application deployment and drastically simplifies converged and hyperconverged infrastructure deployment, configuration, lifecycle management, and ongoing operations with advanced policy-based automation and orchestration for private and

hybrid cloud environments. It supports virtual machines (VMs), bare metal, and containers.

UCP Advisor simplifies full-stack management across multiple linked VMware environments with one UCP Advisor instance. It reduces the number of resources required to manage multiple VMware vCenters for multiple workloads, especially across domains on rack-scale Hitachi Unified Compute Platform (UCP RS) systems.

The management automation capability is tightly integrated into VMware management as a plug-in (see Figure 1) to manage UCP virtualization solutions. UCP Advisor enables rapid deployment of UCP systems into production with an automated, guided and rule-based validation interface. By automating hundreds of Day-0 tasks, it substantially reduces the time, effort, and resources required for deployments. UCP Advisor manages single or multiple UCP systems and can be extended with management of existing Hitachi Virtual Storage Platform (VSP) systems (independent arrays or part of centralized virtual desktops or CVDs).

- Automated deployment of UCP systems
- Resource inventory and system health
  - RESTful APIs and CLI
- Integrations: Aria (vRealize) software suite



- Unified management
- Automated lifecycle management
- Policy-based orchestration
- Remote monitoring

### END-TO-END MANAGEMENT AND ORCHESTRATION

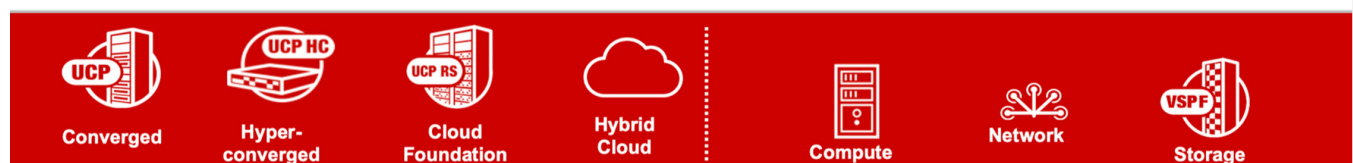


Figure 1. UCP Advisor provides comprehensive Day 0-N management automation of virtual, logical, and physical resources.

### UCP Advisor Benefits

#### UCP Advisor provides:

- Unified management:** UCP Advisor allows integrated management of UCP systems, supporting full automation of the server, network, and storage components. It provides full-stack management for IP and Fibre Channel switches and supports nonvirtualization solutions.
 

One single, standalone HTML interface manages virtualization and nonvirtualization solutions. It provides guided life-cycle management and firmware upgrades, along with provisioning, management, and monitoring of Infrastructure resources. This includes end-to-end provisioning of VMware ESXi hosts, datastores and virtual LAN (VLAN) synchronization.
- Increased agility:** UCP Advisor simplifies IT management and orchestration for faster, easier deployments. By automating 600+ Day-0 tasks, UCP Advisor speeds deployment of converged and hyperconverged systems by six to eight times (from three to four days to four hours).
- Insights:** It provides resource inventory information, status, and health. It displays and reports inventory for the compute, network, and switches, and it enables filtering and global search capabilities based on names, tags, and identifiers. It monitors alerts and health status, and it enables easy planning for maintenance activities and capacity planning.
- Deep VMware integration:** UCP Advisor tightly integrates these management functions into VMware environments. Administrators need not learn additional management tools to view and manage all elements within UCP systems.
- Security:** This includes role-based access control (RBAC), out-of-box ID services and ability to integrate with third-party LDAP services, as well as certificates and token management for secure data.
- Extensible architecture:** Infrastructure provisioning, workflow orchestration, log analysis, monitoring and troubleshooting are integrated into management tools from VMware, reducing learning curves. UCP Advisor capabilities can be extended with integration of additional software, such as Hitachi Ops Center Automator, which reduces time-consuming manual provisioning of tasks and minimizes potential human error by automating complex tasks. UCP Advisor works with Hitachi Ops Center Protector to provide modern data protection, application-consistent recovery, and copy data management across the IT infrastructure. It integrates with Hitachi Remote Ops monitoring system to provide a call-home facility. RESTful APIs let you extend automation services.

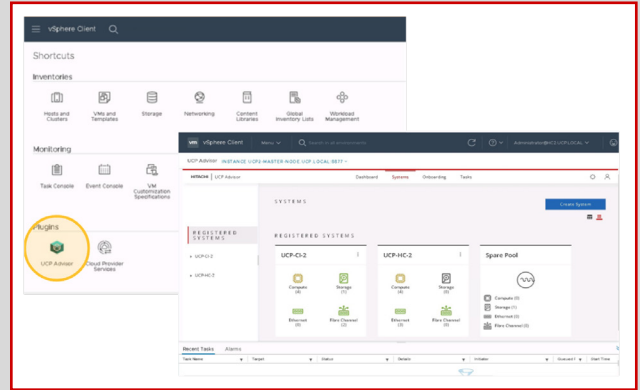


Figure 2. UCP Advisor’s management automation technology offers smart life-cycle management of virtual, logical, and physical resources.

<b>Hitachi Unified Compute Platform Systems</b>	Unified Compute Platform CI (converged infrastructure) Unified Compute Platform HC (hyperconverged) Unified Compute Platform RS (rack scale) (VMware Cloud Foundation)
<b>Supported Solution</b>	Cisco and Hitachi Adaptive Solutions for Converged Infrastructure

Table 1. Supported Hitachi Systems



## Solution Architecture

UCP Advisor's open and extensible architecture supports managing multiple UCP systems with a single UCP Advisor software module. UCP Advisor also comes as a standalone UI option along with a vCenter plug-in format. Purchase the required and optional VMware software components from Hitachi Vantara. Or provide your own VMware components, as long as they meet required minimum software versions.

**View UCP required software here.**



## Summary

UCP Advisor is future-proof management tool. The software architecture enables agile integration and implementation of services, thus enabling faster time to market and speedy service to the customer growing demands. To support next-generation applications and to deliver automation to today's applications, programmatic access is needed.

## ABOUT HITACHI VANTARA

Hitachi Vantara, a wholly-owned subsidiary of Hitachi Ltd., delivers the intelligent data platforms, infrastructure systems, and digital expertise that supports more than 80% of the Fortune 100. To learn how Hitachi Vantara turns businesses from data-rich to data-driven through agile digital processes, products, and experiences, visit [hitachivantara.com](https://hitachivantara.com).



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