



Hewlett Packard Enterprise

Course Datasheet

HP ConvergedSystem Administration (H7H03S)

Course length – 3 days

Delivery mode – Instructor Led Training (ILT)

Register – [Click here to go to HPE Learning Portal](#)

This three days course will provide the information needed to understand and manage HP ConvergedSystem in the data center. The course introduces all available products in the portfolio but will concentrate on those systems designed for General Purpose usage, CS700, CS700x and CS200.

Audience

System Administrators and others that may benefit include: Cloud Architects, Storage Architects, Sales Engineers, Consultants, Technical Marketing staff.

Audience

- *HP Access layer network Technologies*
- *Introduction to HP Proliant Servers and/or HP BladeSystem Administration*
- *VMware vSphere: Install, Configure, Manage*
- *SAN Essentials*

Learning objectives

After completing this course, the participant will be able to:

- *Understand the available products in the portfolio.*
- *Recognize the separate components included in a ConvergedSystem.*
- *Use the included software stack and the Management Servers used in ConvergedSystem.*
- *Access the components included in Converged Systems.*
- *Perform day to day administrative tasks using HP OneView as the main management interface.*

Detailed course outline

Module 1: Overview of ConvergedSystem Portfolios

- *Describe the different HP ConvergedSystem portfolio*
- *Systems for today's critical workloads - For infrastructure*
- *For Cloud*
- *For Mobility*
- *For Big Data*

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- Explain the ConvergedSystem for Virtualization Portfolio
- Describe ConvergedSystem Expansion, HA & DR options

Module 2: Installation, Startup and Support Services

- Describe the different HP ConvergedSystem Services available:
- Factory integration services
- Integration into the customer data center
- Onsite startup services
- Ongoing Support Options
- HP Proactive Care with Personalized Support Option
- HP Critical Service

Module 3: Software Stack Overview

- Describe Management Servers
- List Management Virtual Machines:
- HP OneView
- Virtual Services Router
- IC Server Provisioning
- VMware vSOM Enterprise+
- Microsoft Windows Server 2012
- Describe HP Storage and HP 3PAR Software in HP ConvergedSystem

Module 4: Networking Administration

- Describe the different HP ConvergedSystems Networking components:
- Switches
- Interconnect modules
- Virtual Connect
- Accessing the networking interfaces
- Troubleshooting and maintenance of networking components

Module 5: Storage Administration

- Describe the different HP ConvergedSystem Storage components
- Storage components
- HP StoreVirtual VSA
- HP 3PAR StoreServe 7200
- Additional HP 3PAR StoreServe models
- Managing the Storage components

Module 6: Server components in ConvergedSystem

- List the type of Management Servers used in ConvergedSystem
- Identify the Virtualization Host Servers:
- HP ProLiant DL Servers
- HP BladeSystems
- Access the Server management interfaces:
- HP iLO
- HP Onboard Administrator

Module 7: HP OneView and ConvergedSystem Networks

- Manage HP ConvergedSystems Connectivity in HP OneView
- Whats new in HP OneView 1.2
- Understand HP OneView networking concepts:
- HP OneView LAN & SAN
- Domains, Enclosure Groups, and Logical Interconnect Groups
- Network Sets and Server Connections
- Uplink sets
- Describe HP OneView Address and Identifier Service

Module 8: HP OneView and ConvergedSystem Storage Management

- Manage HP ConvergedSystems Storage in HP OneView
- Add and Configure:
- Associating a SAN with a network
- Adding a storage system
- Storage Pools
- Storage system ports
- Manage Storage Systems:
- Associations

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- *Actions on storage resources*
- *Working with storage volumes*
- *San Manager Diagnostics*

Module 9: HP OneView and ConvergedSystem Servers and Enclosures management

- *Use HP OneView Resources*
- *Manage Host Servers:*
- *HP Enclosure and BladeServers*
- *HP Proliant DL Servers*
- *Understand Enclosure Refresh*
- *Identify Automatic actions*
- *Manage Profiles:*
- *Describe HP OneView Profiles*
- *Connections, boot order & BIOS settings*
- *Profiles and 3PAR storage*
- *Creating, copying, editing & deleting*

Module 10: HP ConvergedSystems Monitoring with HP OneView

- *Describe the server health monitoring in OneView*
- *Explain iLO 4 status traps and polling*
- *Describe enclosure and server connectivity alerts*
- *Describe the basic environment components*

Module 11: HP ConvergedSystem Basic maintenance in HP OneView

- *Administer OneView user accounts and roles*
- *Configure Active directory and manage certificates*
- *Update/upgrade the OneView appliance*
- *Backup and restore OneView*
- *Monitoring and troubleshooting tools available in OneView*
- *Download support dumps*
- *Troubleshooting tips*
- *Reset the Administrator password*