



# HP Education Services Course Overview

HP OneView Quick Start (H7H10S)

This one day course covers how to install, manage, configure, and update the HP OneView Appliance. An architectural overview ensures a high level understanding of the associated managed equipment: c-Class enclosures, Virtual Connect Ethernet, FlexFabric, and Fibre Channel components. Participants will explore HP OneView management of ProLiant Gen 7, Gen 8 and Gen 9, as well as HP OneView monitoring of Gen 6 and rack-mounted ProLiant systems.

## Audience

- System Administrators, engineers and consultants who will plan and manage the HP OneView Converged Management for the Software Defined Infrastructure.

## Prerequisites

- A basic understanding of hypervisor environments (VMware ESXi or Microsoft Hyper-V) and familiarity with general networking terminology and basic network concepts.

## Course objectives

- Install and configure HP OneView on supported hardware.
- Explain HP OneView connectivity model, networking resources and templates, and licensing.
- Add enclosures with server blades and ProLiant DL servers to the OneView appliance.

## Benefits to you

- Gain the ability to perform successful site planning and infrastructure design needed to deploy an HP Virtual Connect solution.
- Understand the various product and firmware versions required in the solution.

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| <b>Course title:</b>         | HP OneView Quick Start  |
| <b>HP product number:</b>    | H7H10S  |
| <b>Category/Subcategory:</b> | ProLiant/ConvergedSystem  |
| <b>Course length:</b>        | 1 day   |
| <b>Level:</b>                | Introduction  |
| <b>Delivery language:</b>    | English   |
| <b>To order:</b>             | You can order this course online at <a href="http://www.hp.com/learn">http://www.hp.com/learn</a> . At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form. |

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## Next steps

- HP OneView Administration (H4C04S)
- HP ConvergedSystem Administration (H7H03S)
- Introduction to HP ProLiant Servers (HE643S)

- HP BladeSystem Administration (HE646S)

## Detailed course outline

### Module 0: Course Opening

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### Module 1: HP OneView Overview

- Identify HP OneView management and monitoring capabilities as part of Converged System Administration tasks for Infrastructure provisioning
- Classify HP OneView workflows and template approaches to Infrastructure configuration according to desired infrastructure project task for Server, Storage, Infrastructure
- Discriminate task workflow for logical and physical configuration of:
  - Network, Network Sets, Logical Interconnect Groups, Logical Interconnects, Uplink Sets, Enclosure Groups, Enclosures, Hardware and Hardware Type
- Differentiate HP OneView management and monitoring for Environment, Rack, Power and Workload
- Integrate HP OneView System and Solution approach to deployment of Server, Storage, Networking and Management Software

### Module 2: HP OneView BladeSystem Integration and HP c7000 Enclosure Overview

- Identify key HP OneView configuration components of HP c7000 BladeSystem Enclosure
- Relate components and configuration scripts to successful import and management into HP OneView identifying outcomes and key success indicators
- Propose scripted initial setup configurations and setup options
- Organize key setup steps and critical configuration of Onboard Administrator personality settings
- Prioritize key solution components and configuration script for HP OneView setup and management

### Module 3: Lab Environment Use Case configuration

### Module 4: Course Close

### Glossary of Terms

### Lab 0: Navigating the VL Training Environment

#### Lab 1: OneView Installation and Configuration

- Objectives
- Requirements
- Introduction
- Review: Preparing the virtual machine appliance
- Exercise 1 — Deploying the virtual machine appliance
- Exercise 2 — Starting the OneView appliance
- Exercise 3 — Accessing the OneView Appliance using a Web Browser
- Summary

#### Lab 2: Configuring OneView Networks

- Objectives
- Requirements
- Introduction
- Exercise 1 — Ethernet Networks
- Exercise 2 — Network Sets
- Exercise 3 — Fiber Channel Networks
- Summary

#### Lab 3: Configuring OneView Storage

- Objectives
- Requirements
- Introduction
- Exercise 1 — Accessing Brocade Network Advisor and discovering fabrics
- Exercise 2 — Connecting OneView with 3PAR Storage System
- Exercise 3 — Creating and adding volumes
- Summary

#### Lab 4: Configuring Logical Interconnect Groups

- Objectives
- Requirements
- Introduction
- Logical Interconnect Groups
- Summary

#### Lab 5: OneView Enclosure Management

- Objectives
- Requirements
- Introduction
- Exercise 1 — Adding an Enclosure
- Exercise 2 — Adding an Enclosure
- Exercise 3 — Updating Logical Interconnect Firmware
- Exercise 4 — Exploring Imported Resources
- Exercise 5 — Reports
- Summary

#### Lab 6: OneView Profile Management

- Objectives
- Requirements
- Introduction
- Exercise 1 — The Server Profile Template
- Exercise 2 — Assigning a Profile Template
- Exercise 3 — Moving a Server Profile
- Exercise 4 — Copying a Server Profile to another server
- Exercise 5 — Adding a Network
- Exercise 6 — Adding HP ProLiant DL Server and Profile

- Reports
- Summary

### **Lab 7: OneView Environmental Monitoring**

- Objectives
- Requirements
- Introduction
- Exercise 1 — Following the health monitoring path
- Exercise 2 — Working with Power Delivery Devices
- Exercise 3 — Managing Racks
- Exercise 4 — Managing Data Centers
- Add and Remove Dashboard Panel
- Summary

### **For more information**

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