



# Implementing HPE BladeSystem Solution HH707S

This lab intensive course focuses on the initial installation and startup tasks required to bring a customer's HPE BladeSystem solution online and prepare it for the deployment of applications. The course delivers technical information necessary to successfully configure server and storage components and deploy operating systems. Deployment and management will be done using HPE management software including HPE OneView and HPE Insight Control server provisioning. Course also covers basic virtualization topics.

## Implementing HPE BladeSystem Solution

**Price** USD \$4,000

**Links to local schedules, pricing and registration** [US/Canada](#)  
[Mexico/Latin America](#)  
[Brazil](#)

**HPE course #** HH707S

**Category** ProLiant

**Duration** 5 days

## Audience

This course is open to all audiences, internal and external, who are pursuing the knowledge and skills necessary to properly setup, configure and deploy solutions based on HPE's BladeSystem products.

## Prerequisites

Students taking this course should have a basic understanding of the following operating systems:

- Microsoft Windows Server 2012 R2
- VMWare ESXi 6.0

## Course objectives

Upon completion of this course, students should be able to:

- Identify and describe fundamentals technologies used in HPE ProLiant Gen9 BladeSystem servers
- Perform basic configuration and deployment tasks using iLO Management Engine and other tools
- Perform configuration of HPE BladeSystem enclosure using Onboard Administrator
- Configure HPE ProLiant server using UEFI and other configuration tools
- Describe and configure Virtual Connect modules
- Configure HPE ProLiant servers for virtualization and deploy virtualization environment

- Configure an iSCSI storage solution
- Configure external storage solution
- Deploy an operating system using Insight Control server provisioning
- Use HPE OneView to manage HPE BladeSystem enclosures and servers
- Perform basic maintenance and diagnostic on an HPE ProLiant server including firmware management

## Course outline

### Module 1 – Portfolio Introduction

- HPE BladeSystem Portfolio Introduction
- HPE ProLiant Servers Features

### Module 2 – Managing HPE BladeSystem c7000 Enclosure

- HPE BladeSystem Architecture
- HPE Onboard Administrator
- HPE Onboard Administrator Features
- HPE BladeSystem c7000 port mapping
- HPE BladeSystem Multi Enclosure Stack
- HPE BladeSystem Power and Cooling

### Module 3 – HPE Integrated Lights-Out Management

- Integrated Lights-Out 4 (iLO 4)
- iLO licensing
- Accessing and using the iLO Web Interface
- iLO Integrated Remote Console
- iLO command line interface
- Configuring iLO 4
- iLO Federation

### Module 4 – HPE ProLiant Server Configuration

- HPE ProLiant Boot process overview
- UEFI

### Module 5 – HPE Intelligent Provisioning

- Intelligent Provisioning Overview
- Intelligent Provisioning Perform Maintenance
- Intelligent Provisioning Configure and Install
- Updating Intelligent Provisioning and component firmware

### Module 6 – Virtualization Basics

- Virtualization concept
- VMware vSphere
- Microsoft Hyper-V

### Module 7 – HPE 3PAR StoreServ Storage Solution

- HPE 3PAR Solution Overview
- HPE 3PAR Array Management: SSMC Introduction
- Storage Concepts and Terminology
- Storage Configuration
- Host Connectivity and Storage Allocation

### Module 8 – HPE Virtual Connect

- HPE Virtual Connect Technology
- HPE Virtual Connect Ethernet Modules
- HPE Virtual Connect Fibre Channel Modules
- HPE Virtual Connect FlexFabric Modules

- HPE Virtual Connect Manager
- HPE Virtual Connect Configuration Logical Flow
- HPE Virtual Connect Networks Configuration
- HPE Virtual Connect Profile Configuration
- HPE Virtual Connect Stacking

**Module 9 – HPE ProLiant Servers Management with HPE OneView**

- HPE OneView Your Bridge to Composable Infrastructure
- New with HPE OneView
- HPE OneView Appliance Deployment on a VMware ESXi host
- HPE OneView First Access and Configuration
- Networks, Network Sets and Uplink Sets
- HPE OneView Domains and Enclosure Groups
- HPE OneView Logical Interconnects and Logical Interconnect Groups
- Configuring HPE OneView Enclosure Groups
- Adding Onboard Administrators and iLOs
- HPE OneView Storage Systems
- HPE OneView Server Profiles
- Server Profile Templates

**Module 10 – HPE BladeSystem Deployment with ICsp**

- Insight Control server provisioning features
- OS Deployment process with Insight Control server provisioning

**Module 11 – iSCSI Storage Solutions for HPE ProLiant Servers**

- HPE StoreVirtual 4000 Storage Product Suite Overview
- Centralized Management Console
- Working with Management Groups and Clusters
- Working with Volumes
- Connecting to Volumes with iSCSI

**Module 12 – HPE ProLiant Server Diagnostic and Firmware Management**

- HPE Insight Diagnostics
- HPE Agentless Management
- HPE Active Health System
- HPE Smart Update Solution

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