Hewlett Packard Enterprise

HPE ProLiant Server configuration using Option ROM and UEFI H1RV1AAE

This course is essential training for system, network, and storage administrators using HPE ProLiant Servers in their IT environments. It covers the ProLiant Servers boot-up process, and introduces the Rom Based Setup Utility (RBSU) and the Unified Extensible Firmware Interface (UEFI). Students will learn how to interrupt the boot process to access both the legacy BIOS and newer UEFI interfaces.

HPE course number	H1RV1AAE
Course length	1 hour
Delivery mode	WBT
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Audience

Administrators, engineers, consultants, and support personnel that need to configure, manage and maintain HPE ProLiant Servers.

Prerequisites

Knowledge of basic server and networking technologies.

Course objectives

By the end of the course, you should be able to meet the following objectives:

- Identify features of the HPE ProLiant Gen8 and Gen9 server ROM

- Describe the HPE ProLiant server boot process

- Describe UEFI and list its benefits

- List the steps required to modify System ROM settings using the BIOS RBSU

- Shown how to access iLO configuration from the RBSU

- Discuss the ORCA utility in Gen8 and SSA in Gen9

Detailed course outline

Module 1: HPE ProLiant Gen8 and Gen9 System ROM	• HPE ProLiant Gen8 and Gen9 ROM features
	• Standardized ProLiant Gen8/9 ROM
	• HPE advanced error detection technology
	• Early video progress indicators
	• Early video boot screen
	• Fault detection messaging
	• Once the POST functions are complete
	• Active Health System log
	• ROM support for SmartMemory
	• Digital signature
Module 2: HPE ProLiant Gen8 and Gen9 boot process	• Early video boot screen
	• Main boot screen
Module 3: Overview of UEFI	• UEFI overview
	• Benefits of UEFI compared to legacy BIOS
	• Important HPE UEFI Requirements for HPE ProLiant Gen9 servers
	• HPE ProLiant DL580 Gen8 Server was first ProLiant to use the UEFI boot process
	• Selecting the UEFI Mode
	• UEFI System Utilities
	• Additional UEFI Resources
Module 4: Using the RBSU	• RBSU main menu
	• RBSU configuration example
	• Redundant System ROM configuration example
Module 5: Configuring iLO via the RBSU	• iLO configuration overview Gen8
	• Accessing the iLO configuration utility Gen9
Module 6: Using ORCA and SSA	• ORCA overview
	• Accessing ORCA Gen8 or earlier
	• Accessing SSA Gen9
	• SSA interface

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