Szkolenie: HPE

HPE ProLiant Gen11 Server Management with iLO 6

Cel szkolenia:

This course teaches the learner how to set up, configure, update, and monitor an HPE ProLiant Gen11 server using HPE ProLiant Gen11 embedded management products.

Course objectives

After completing this course, you should be able to:

- Differentiate between HPE ProLiant Servers in terms of supported options, form factor, and expected workload
- Differentiate by purpose: HPE embedded management products including the integrated Lights-Out (iLO) management processor, UEFI ROM for ProLiant system utilities, provisioning app, storage configuration utility, cloud-based monitoring and management UI, update utility, and iLO REST API
- Configure ILO and network with UEFI System Utilities
- Provision server with OS using Intelligent Provisioning
- Configure settings for security, view performance, thresholds for monitoring thermal and power
- Differentiate between security settings in iLO and their impact on performance
- Differentiate between methods for monitoring the server using the iLO browser-based interface and iLO REST commands as well as cloud-based applications
- Identify the stages for and methods to update server firmware
- Perform update of server firmware using Service Pack for ProLiant (SPP) and Smart Update Manager (SUM)
- Locate diagnostic information from iLO and UEFI System Utilities
- Differentiate between iLO and OpenBMC management
- Define scope of Customer Self Repair (CSR)
- Locate resources for more information on HPE ProLiant Gen11 embedded management and supporting the server

Audience

Administrators, engineers, and consultants who will configure and maintain HPE ProLiant Gen11

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servers.

Plan szkolenia:

- Overview of HPE ProLiant Gen11 Hardware and Technology
  - Overview of HPE ProLiant Gen11 family of servers
  - Server security
  - Hardware options
  - Software options
  - Warranty and support options
  - Module learning checks and takeaways
- Overview of Embedded Management Products
  - Overview of Embedded Management products
  - UEFI ROM for HPE ProLiant Gen11
  - iLO 6
  - Intelligent Provisioning
  - Active Health System
  - Service Pack for ProLiant and Smart Update Manager
  - Cloud-operations based management
  - Baseboard Management Controller (BMC)
  - Module learning checks and takeaways
- Server Setup
  - Before you begin: what to consider
  - Setup the hardware
  - Server setup methods
  - UEFI setup
  - Intelligent Provisioning Rapid Setup
  - Storage controller setup
  - Module learning checks and takeaways
- iLO 6
  - iLO walkaround
  - Options for Remote Access
  - Administrative tasks
  - Security settings
  - Options for Power and Thermal
  - Intelligent Provisioning Always On

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- Module learning checks and takeaways
- Updating the server
  - SPP overview
  - SUM overview
  - iLO update
  - Module learning checks and takeaways
- Monitoring the server
  - iLO 6 and Server Health monitoring
  - Power & Thermal monitoring
  - Firmware verification
  - Setting up alerts
  - UEFI server health monitoring
  - iLO RESTful Interface Tool
  - Module learning checks and takeaways
- Diagnostics
  - iLO 6 pages for diagnostics
  - UEFI Embedded Diagnostics
  - Options for downloading the AHS log
  - LED indicators on the server
  - Module learning checks and takeaways
- Resources
  - HPE Support Center
  - My Software Center Dashboard
  - Accessing Service Pack for ProLiant
  - Links used in this course
  - Course summary and next steps
- Lab 0: Accessing vLabs
- Lab 1: Accessing UEFI ROM for ProLiant
- Lab 2: Configuring storage
- Lab 3: Provisioning the server with Intelligent Provisioning
- Lab 4: Accessing and reviewing iLO UI and settings
- Lab 5: Updating the server
- Lab 6: Comparing methods for monitoring the server
- Lab 7: Comparing methods for monitoring the server
- Lab 8: Using the resources

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Wymagania:

Students should have a basic understanding of at least one of the following operating systems:

- Microsoft Windows Server® 2022
- SUSE Linux Enterprise Server 15
- VMware® ESXi™ 8.x

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by HPE (course completion).

Prowadzący:

Authorized HPE Trainer.

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