Szkolenie: HPE

HPE Superdome Flex Server Administration

Hewlett Packard Enterprise

Cel szkolenia:

The HPE Superdome Flex Server is the mission critical, inmemory computing solution that delivers an unprecedented combination of scale, modularity, flexibility, and reliability. This course provides an overview of system components and practical experience. You will learn to prepare and install supported operating systems, monitor system performance with HPE Foundation Software (HFS) and HPE OneView, use rack management controller (RMC) commands to power on and boot the server, configure autopower, retrieve hardware configuration, and monitor log files.

At the conclusion of this course, you should be able to:

- Identify HPE Superdome Flex hardware components and their functionality within the system
- Use rack management controller (RMC) or embedded RMC (eRMC) to configure, monitor, manage, and access server components and firmware
- Interact with the Unified Extensible Firmware Interface (UEFI) to configure partition boot parameters and manually boot a partition
- Install RedHat, SUSE, Windows Server and ESXi operating systems
- Describe HPE Foundation Software (HFS) components
- Describe HPE OneView and monitor hardware components
- Configure, manage, and control partitions from the RMC

Audience:

Experienced system administrators, engineers, and consultants responsible for managing and monitoring HPE Superdome Flex servers

Plan szkolenia:

- Product Overview
  - List HPE Superdome Flex server configurations and architecture
  - Describe use case and applications
  - Identify HPE Superdome Flex server main components
  - Access the rack management controller (RMC) interface
  - Use the RMC command-line interface (CLI)
  - Connect to the system console

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- Power off and power on the HPE Superdome Flex Server

- Hardware Management
  - Access the rack management controller (RMC) interface
  - Describe and configure nPartitions
  - Perform RMC management tasks
  - Issue power commands
  - List FRU information
  - Enable SNMP protocol

- Operating System Installation and Software Management
  - Describe Superdome Flex operating system support
  - Prepare operating system installation
  - Describe installation process for Linux (RedHat and SUSE), Windows Server 2019, and ESXi}
  - Describe additional HPE tools for Superdome Flex management
  - Install additional HPE Tools: HPE Foundation Software, Data Collection Daemon, and HPE Superdome Flex I/O Service Pack

- Management Tools and Firmware Upgrade
  - Describe HPE Superdome Flex monitoring with HPE OneView
  - Describe HPE Insight Remote Support
  - Explain the Redfish standard
  - HPE Superdome Flex firmware management
  - Configure UEFI BIOS booting options
  - Access OneView and discover RMC
  - Investigate OneView monitoring options
  - Review HFS configuration scripts and logs
  - Show main memory health information, system topology, CPU and memory activity, and input/output traffic statistics for each IO device
  - Configure CPU frequency scaling
  - Monitor per-node HPE Superdome Flex Grid memory statistics
  - Review firmware update process

- Troubleshooting
  - Perform management tasks from operating system
  - Gather logs from RMC
  - Perform indicting and acquitting HPE Superdome Flex components
  - Observe how OneView handles hardware errors

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Wymagania:

Enterprise Linux System Administration (H7091S) or equivalent Linux, VMware® or Windows Server administration experience

Poziom trudności

Certyfikaty:

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

Prowadzący:

Authorized HPE Trainer.

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