Introduction to HPE ProLiant and Apollo Servers

Cursusduur: 2 Dagen   Cursuscode: HE643S

Beschrijving:

This course provides essential HPE ProLiant training to system administrators who are responsible for ProLiant ML, DL, BL, and Apollo 2000, 4000, 6000 systems. Students receive an overview of HPE products, tools, agents, and utilities that will help them set up, deploy, monitor, and maintain their ProLiant and Apollo servers. Practical handson lab exercises are presented on HPE ProLiant Gen10 and Gen9 servers.

Doelgroep:

Administrators, engineers, and consultants who will configure and maintain HPE ProLiant and Apollo servers

Doelstelling:

- After completing this course, the student should be able to:

- Identify the HPE ProLiant servers in the portfolio

- Identify the HPE Apollo air-cooled servers in the portfolio.

- List key features of HPE ProLiant Generation 10 (Gen10) and Generation 9 (Gen9) Servers

- Identify integrated Lights-Out (iLO) functions and features

- Navigate the iLO web browser interface to perform server setup, management, and maintenance

- Identify the stages of the Gen10/9 ProLiant boot process

- Configure a server by using Unified Extensible Firmware Interface (UEFI)

- Configure and deploy an operating system to a single HPE ProLiant Gen10/9 server using Intelligent Provisioning

- Update firmware and software on a ProLiant server using Service Pack for ProLiant (SPP) with Smart Update Manager (SUM)

- Identify other HPE tools and utilities that assist in the monitoring and maintenance of a ProLiant and Apollo server

- Locate HPE websites for resources describing setup, deployment, monitoring, maintenance, and support of a ProLiant server

Vereiste kennis en vaardigheden:

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

- Microsoft Windows Server 2016 Standard
- SUSE Linux Enterprise Server 12
- VMware ESXi 6.x

Cursusinhoud:

Module 1 HPE ProLiant Servers

- HPE ProLiant Gen10 Family
- ProLiant Rack Servers Gen10
- ProLiant Blade Servers Gen10
- ProLiant Tower Servers Gen10
- Apollo system and servers
- HPE Gen10 CPU and memory
- Storage and Smart Array Controllers
- NICs and HBAs
- HPE ProLiant Gen9 family
- Comparing Gen9 to Gen10 servers
- Module takeaways

Module 2 Security

- HPE Gen10 and iLO 5
- Certifications and compliance
- Extended capabilities with iLO Licenses
- Physical platform security additions
- Gen10 networking and storage options optimized for security
- Additional resources
- Module takeaways

Module 3 Preparing to Setup

- Gathering server requirements
- Setup overview
- Module takeaways

Module 4 iLO 5 (integrated Lights-Out 5)

- Key features iLO iLO licensing
- iLO security states
- Additional iLO 5 tools, utilities and interfaces
- Accessing and using the iLO web interface
- iLO 4 Gen9 content
- Additional resources

Module 5 Configuring the Server

- ProLiant boot process
- UEFI System Utilities (F9)
- Intelligent Provisioning (F10)
- Boot Order (F11)
- Network boot (F12)
- Apollo Platform Manager (APM)
- Module takeaways
- Resources

Module 6 HPE ProLiant Storage and Smart Array Controllers

- HPE Gen10 Smart Array portfolio
- Mixed mode
- RAID configuration tools
- uFF SSD SmartDrives and the Smart Drive Bay

Module 7 HPE ProLiant Firmware and Software Maintenance

- Firmware updates and iLO security states
- Smart Update Technology Service Pack for ProLiant (SPP) and Smart Update Manager (SUM)
- Service Pack for ProLiant (SPP)
- Smart Update Manager (SUM)
- Smart Update Tools (SUT, iSUT)
- iLO Amplifier
- Module takeaways
- Resources

Module 8 HPE ProLiant Troubleshooting and Ongoing System Support

- Troubleshooting basics
- Gather information
- Support options
- Research known issues
- Develop and/or implement an action plan
- HPE warranty and support
- Module takeaways

Module 9 Course summary

Detailed lab outline

Lab 1: HPE ProLiant Website Resources

Lab 2: HPE integrated Lights Out (iLO)

Lab 3: Configuring HPE ProLiant Gen10/9 UEFI

Lab 4: Setting Up Systems with Intelligent Provisioning

Lab 5: Installing an OS with IP

- Lab 5a Windows 2016
- Lab 5b SLES 12
- Lab 5c ESXi 6.5u1

Lab 6: Updating Systems

Lab 7: Monitoring the System with the AHS

Lab 8: Configuring iLO with OS Utilities

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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