Szkolenie: HPE

HPE Synergy Administration with HPE OneView

Cel szkolenia:

This course provides instruction on HPE Synergy configuration, administration, management, troubleshooting and maintenance. This hands-on course covers day-to-day administration skills on HPE Synergy Composer, storage module, compute modules, frame management, fabric connectivity, multi-frame domains and server profile management. Students also learn about HPE Global Dashboard features.

Course objectives

At the conclusion of this course, the student will be able to:

- Introduce composable infrastructure (basic concepts) and HPE Synergy domains
- Explore the functional architecture of the HPE Synergy environment, including management infrastructure (HPE Synergy Composer and Frame Link Modules), compute modules, interconnect modules, local storage systems, power and cooling
- Review the HPE Synergy portfolio and equipment capabilities
- Explain the HPE Synergy master/satellite interconnects, topology and cabling

Audience

- System administrators, engineers and consultants who install, manage, and monitor HPE Synergy systems
- New HPE Synergy customers or HPE BladeSystem c-Class customers interested in HPE Synergy

Plan szkolenia:

- Module 0: HPE Synergy Administration with HPE OneView Course Overview
  - Introduce composable infrastructure (basic concepts) and HPE Synergy domains
  - Explore the functional architecture of the HPE Synergy environment
    - Management infrastructure (HPE Synergy Composer and Frame Link Modules)
    - Compute modules
    - Interconnect modules
    - Local storage systems
    - Power and coolin

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- Review the HPE Synergy portfolio and equipment capabilities
- Explain the basics of the HPE Synergy master/satellite interconnects topology and cabling

- Module 1 HPE Synergy Solution
  - Solution overview
    - Planning steps
    - Configuration steps
  - Hardware overview
  - Management appliances
  - Frame management cabling
  - Power cabling
  - Interconnect link topology
  - Accessing HPE Synergy Composer
- Module 2: HPE Synergy Cabling
  - Ethernet modules
  - Interconnect link topology
  - Ethernet traffic flow
- Module 3: HPE Synergy Networking
  - Network connectivity settings
  - Address identifier service
  - Network, network sets
  - Logical interconnect groups
  - Enclosure groups
  - Logical enclosure
  - Interconnect settings, LACP load balancing
- Module 4: HPE Synergy Storage
  - SAN configuration
  - Storage management
  - SAN Manager
  - Networks
  - Zoning
  - Fabric
  - Composable arrays
  - Volumes and volume templates
  - Storage options
    - Storage array
    - HPE Synergy D3940 Storage Module

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- Module 5: HPE Synergy Composability
  - Server hardware
    - HPE Synergy Gen10 Compute, HPE Integrated Lights Out 5
  - Server hardware types
  - Server profile template
  - Server profile
  - Physical addressing
  - Compliance
- Module 6: HPE Synergy Firmware
  - Current HPE OneView Updates
  - Acquiring firmware
  - Interconnect firmware updates
  - Compute firmware
  - OS tools
  - Appliance firmware
  - Upgrading hardware
  - Preparing to upgrade
  - Best practices
  - Tools
  - Compliance
  - References
- Module 7: HPE Synergy Scaling
  - Scaling frames in HPE Synergy
  - Adding a remote management ring
  - Frictionless scaling of a logical enclosure
    - The procedure for scaling from one to two frames
    - The procedure for scaling from two to more frames
    - Scaling with 25/50 Gb interconnect link modules
- Module 8: HPE Synergy Maintenance and Growth
  - Maintenance topics
  - Remote management ring
  - Adding frames
  - Composer upgrades
  - Composer migration
  - Flm move to 4 port
  - Changing Ethernet fabric

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Wymagania:

Basic networking and HPE OneView experience is strongly recommended

Poziom trudności



Certyfikaty:

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

Prowadzący:

Authorized HPE Trainer.

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