Tytuł szkolenia: HPE Synergy Administration

Kod szkolenia: H0LN3S

Wprowadzenie

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.

Adresaci szkolenia

• 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

Prerequisites
Basic networking and HPE OneView experience is strongly recommended, or complete the following courses:
• H0LN2AAE HPE Synergy Overview WBT
• H0LP6AAE HPE OneView Overview and Configuration for Synergy

Cel szkolenia

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

Czas i forma szkolenia

  • 21 godzin (3 dni x 7 godzin), w tym wykłady i warsztaty praktyczne.

Plan szkolenia

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

  ○ D3940

Module 5: HPE Synergy Composability

• Server hardware

  ○ HPE Synergy Gen10 Compute, iLO 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
- New LIG|EG, reparent LE