

Szkolenie: HPE
HPE OneView Administration



Cel szkolenia:

Hewlett Packard Enterprise (HPE) OneView is an integrated converged management platform that automates tasks and streamlines processes delivering the entire lifecycle management for HPE Composable Infrastructure. HPE OneView provides the software-defined intelligence across the entire HPE family of infrastructure solutions, from providing embedded management in HPE Synergy to delivering attributes of composability in HPE BladeSystem, HPE ProLiant DL, HPE 3PAR StoreServ and StoreVirtual VSA, HPE Virtual Connect, HPE Apollo and HPE ConvergedSystem. This instructor led course is essential training for system, network, and storage administrators using HPE OneView and for system architects implementing HPE OneView.

Course objectives:

This course will equip students with the skills and knowledge to use HPE OneView to manage and maintain firmware, implement server and networking configurations, monitor the data center, and respond to issues

Audience:

System, network, and storage administrators, and consultants who manage and monitor an HPE environment and for system architects anticipating the implementation of HPE OneView.

Plan szkolenia:

- HPE OneView overview
 - Composable infrastructure
 - Simplify lifecycle operations
 - RESTful API, resource managers, and the State-Change Message Bus
 - What's new with OneView 4.2
 - HPE OneView Global Dashboard
 - Use HPE OneView to develop applications faster
 - HPE partner ecosystem and third-party integrations
 - HPE OneView documentation
 - HPE OneView services
- Installing HPE OneView
 - Review the HPE OneView support matrix

- HPE OneView address pools
- HPE OneView Installation Guide
- HPE OneView Deployment and Management Guide
- HPE OneView deployment on a VMware ESXi host
- Configure OneView on first access and configuration
- Backing up the OneView appliance
- VMware tools support
- Network creation and management
 - Network loop protection in OneView
 - Active/active and active/standby networking designs in OneView
 - SmartLink and pause flood protections in OneView
 - Networks, network sets and uplink sets
 - Fibre channel over Ethernet connections
 - HPE OneView Ethernet and SAN statistics
- Storage management
 - Storage management
 - HPE OneView Nimble Storage integration
 - Adding a storage system and storage pools
 - HPE OneView and storage system ports
 - Volumes and volume templates
 - Adding and creating external volumes
 - Attaching volumes to server profiles
 - Configure a SAN manager and zoning
 - Monitoring storage
- Connectivity management
 - HPE OneView domains
 - Logical interconnects, logical interconnect groups, and enclosure groups
 - HPE OneView address and identifier service
 - Top of rack logical switch integration
- Server and enclosure management
 - c7000 Enclosures and server hardware types
 - Configuring OneView enclosure groups
 - Hardware discovery—adding onboard administrators and iLOs
 - The OneView refresh—reestablishing communication and validation
 - Removing OneView components
 - Migrating enclosures and servers from VCM into OneView

- Appendix: Migration sequence (Optional)
- Appendix: Resolving migration issues (Optional)
- Firmware, licensing, and supporting utilities
 - Set up the OneView firmware repository
 - Install driver and firmware updates using Smart Update Tools
 - Update Windows and Linux environments
 - Update VMware environments
 - Update the components managed by HPE OneView
 - Enclosure firmware update best practice scenarios
 - License OneView
- HPE OneView profile management
 - HPE OneView server profiles
 - OneView profile architecture
 - Server profile templates
 - Ethernet profile connections
 - Server profiles and network bandwidth
 - Profile connections—advanced topics
 - Configure the boot order
 - Establish server profile BIOS settings
 - Attaching to 3PAR Storage volumes
 - Managing OneView server profiles
- HPE OneView Security and Environmental Monitoring
 - Scope-based access control
 - Two-factor authentication (CAC/PIV)
 - SNMPv3 support
 - HPE remote support
 - Server health monitoring in OneView
 - iLO status traps and polling
 - Enclosure and server connectivity alerts
 - Server health monitoring with OneView
 - Optional appendix: Insight Online service events and data collections
- OneView Maintenance and Troubleshooting
 - Administer OneView user accounts and roles
 - Configure active directory
 - Certificate management
 - Update/upgrade the OneView appliance

- Backup and restore the appliance
- Capture support dumps
- Troubleshoot the appliance
- Reset the administrator password
- Exploring the HPE OneView Global Dashboard
 - Enclosures
 - Server hardware
 - Server profiles and server profile templates
 - Search
 - Converged systems
 - Activity
 - Report features
 - Backup
 - Connecting over WAN
 - Dashboard tasks page
 - Single sign-on to an appliance or iLO
 - Support for HPE 3PAR Storage and StoreVirtual systems
- HPE OneView REST API overview
 - Describe the basic concepts of the REST API in OneView
 - Explain the OneView API design goals, resources, and operations
 - Tools and techniques for exploring and troubleshooting HPE OneView APIs
 - Access and use the PowerShell wrapper with the OneView REST API
 - HPE OneView REST API use case examples

Wymagania:

Basic system and network administration.

Poziom trudności



Certyfikaty:

After completing the course, participants receive a certificate of completion of an authorized HP course.

Prowadzący:

Authorized HPE Trainer.