

Szkozenie: HPE  
HPE SimpliVity System Administration (vSphere)

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Tradycyjne	2900 PLN NETTO*	2 dni
Stacjonarne	Tablet CTAB	3500 PLN NETTO*	2 dni
Metoda dlearning	Tradycyjne	2900 PLN NETTO*	2 dni
Metoda dlearning	Tablet CTAB	3500 PLN NETTO*	2 dni

\* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

## LOKALIZACJE

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00

Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

## Cel szkolenia:

This course provides information and hands-on exercises for management of HPE SimpliVity 380 and 2600. It also includes information and hands-on exercises for using HPE SimpliVity RapidDR software that simplifies and accelerates off-site disaster recovery through automation. The course covers a range of administration actions executed on HPE SimpliVity system with the SimpliVity VMware vSphere® and RapidDR user interface.

Upon completion of this training, the participant will be able to:

- Describe the HPE SimpliVity 380 and 2600 products' physical characteristics and software architecture
- Use the HPE SimpliVity vSphere user interface for management tasks
- Use RapidDR to reduce service disruptions by automating remote site recovery

## Audience:

This course is intended for infrastructure administrators and system engineers who are looking to learn how to administer HPE SimpliVity 380 and 2600.

## Plan szkolenia:

- HPE SimpliVity Overview
  - The data problem
  - The evolution of hyperconvergence

- HPE SimpliVity use cases / key business challenges
- Data center consolidation
- Data protection and disaster recovery
- VDI
- ROBO
- Hyperconvergence in a hybrid cloud
- High performance All-Flash Storage
- HPE SimpliVity 380 HyperGuarantee
- What Is an HPE SimpliVity 380 system
  - HPE ProLiant DL380 Gen10
    - Models
    - Components
    - Management (including iLO)
  - HPE OmniStack Virtual Controller (OVC)
  - HPE OmniStack Accelerator Card (OAC)
  - Disk Controller (RAID controller)
- HPE SimpliVity system architecture
  - Node
  - Cluster
  - Federation
  - Global scale
- Arbiter
- HPE SimpliVity networks
  - Federation network
  - Management network
  - Storage network
  - Network configurations
  - Network security
- HPE SimpliVity 2600
  - HPE SimpliVity 2600 solution overview
  - Hardware components of HPE SimpliVity 2600
  - HPE SimpliVity 2600 configuration details
  - HPE SimpliVity 2600 data paths
  - SimpliVity Data Virtualization Platform
- HPE SimpliVity Data Virtualization Platform (DVP)
  - Guaranteed data efficiency

- Deduplication and compression
- Built-in resiliency, backup and disaster recovery
- Global VM-centric management and mobility
- Data storage and VM cloning
- Writing data
- Remote backup
- HPE SimpliVity RapidDR
  - Data virtualization platform deep dive
  - Data presentation layer
- Data management layer
  - File system
  - Object store I/O write path
  - Cluster-level data management
  - Federation-level data management
  - Advantages
  - I/O and capacity reduction
  - Storage network
  - Faster backup, restore and clone
  - Reduced WAN bandwidth
  - Lower RPO and RTO
- HPE SimpliVity Data Management
  - HPE SimpliVity data paths
    - HPE OmniStack system architecture
    - Write I/O path
    - Read I/O path
    - Stretched clusters
  - Data resiliency - How is data protected
    - Node-level resiliency
    - Cluster-level resiliency
    - Site-level protection
    - RAIN + RAID overview
    - Power resiliency
    - Hardware RAID
    - Preventing silent data corruption
    - Enterprise-grade server platform resiliency
    - HPE OmniStack Accelerator Card resiliency

- Effects of a failure (what happens to the data)
  - Failover of the OVC IP
  - OVC resiliency
  - Effects of a failure (what happens to the data)
  - Failover of the OVC IP
  - Recovering a failed OVC
- vCenter resiliency
  - Single and linked mode
- Data locality
  - Overview of data locality
  - Advantages of full data localization
  - Intelligent Workload Optimizer
  - Initial data placement
  - Integration with vSphere DRS
- HPE SimpliVity User Interface Overview
  - Getting started
  - Features within the vSphere Web Client
  - How to maneuver through the vSphere Web Client
  - vCenter inventory list
  - The SimpliVity Federation actions
  - SimpliVity Federation home tab
    - Topology tab
    - Throughput tab
    - Backup consumption tab
    - About tab
  - Inventory lists
    - SimpliVity Federation home tab
- HPE SimpliVity Clusters and Datastores
  - Clusters
    - Exploring clusters
      - Customizing SimpliVity table data
      - Viewing capacity
      - Viewing performance
      - Searching backups
  - Datastores
    - SimpliVity datastores overview

- Creating a SimpliVity datastore
- Modifying a SimpliVity datastore
- Configuring ESXi access nodes
  - Configuration steps
  - NFS settings
  - Verifying HPE SimpliVity datastore access
- HPE SimpliVity Backups
  - SimpliVity backups
    - Overview
    - Manual backup
    - Application consistent backups
    - Managing backups
    - Backups view
    - Rename backup
    - Copy backup
    - Cancel backup
    - Backup retention time
    - Export backups
    - Delete backups
  - Backup policies
    - SimpliVity backup policy overview
    - Backup frequency
    - Fixed default backup policy
    - Locking a policy-based backup
    - Creating backup policies and backup policy rules
  - Edit backup policy
  - Rename backup policy
  - Delete backup policy
  - Add backup policy
  - Apply backup policy
- Other HPE SimpliVity Features
  - Hosts
  - Virtual machines
  - HPE SimpliVity restore
    - SimpliVity restore overview
    - Finding a backup

- Creating a new virtual machine
- Replacing an existing virtual machine
- SimpliVity File Level Restore
  - Permissions and security
  - Limi
  - Partitions
  - Restoring files steps
- SimpliVity clone
  - SimpliVity clone overview
  - SimpliVity clone a virtual machine
  - VAAI and VMware clone
- SimpliVity move
  - SimpliVity move overview
  - SimpliVity move a virtual machine
- VM templates
- Moving an HPE SimpliVity node between clusters
- HPE OmniStack Virtual Controller (OVC) shut down
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  - Safe shut down preparation
  - Other safe shut down considerations
- Extending HPE SimpliVity
  - REST API
    - REST overview
    - HPE SimpliVity REST API functions
    - HPE SimpliVity REST API examples
  - HPE SimpliVity CLI
    - Prerequisites for using the CLI
    - Access through the Virtual Controller Console
    - Access through a terminal emulator
    - CLI command privileges
    - CLI command format and examples
  - HPE SimpliVity RapidDR
    - What is RapidDR and how does it work?
    - RapidDR requirements
    - RapidDR configuration guidelines
- HPE SimpliVity Services and Support

- HPE SimpliVity support plans
  - Accessing support
  - Accessing updates
  - Customer self-repair
  - Remote support
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## Wymagania:

HPE recommends that students have attended the following courses or attained the following levels of experience before taking this class:

- Networking technologies
- VMware vSphere 6
- HPE ProLiant Servers

## Poziom trudności



## Certyfikaty:

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

## Prowadzący:

Authorized HPE Trainer.