Szkolenie: HPE

# HPE GreenLake for Block Storage MP Integration

Hewlett Packard Enterprise

## Cel szkolenia:

This course provides additional knowledge on Windows, Linux®, and VMware® connectivity to HPE GreenLake for Block Storage MP storage arrays, as well as various integration capabilities of those families with listed operating systems. That includes toolkits, APIs, VMware integration plug-in, and VMware vSphere® Virtual Volumes™ (vVols) support. Additionally, an overview of containers support based on Kubernetes® is presented, along with Veeam® Backup & Replication™ integration with HPE GreenLake for Block Storage MP replication features.

Using extensive hands-on lab exercises that comprise over 70% of the course, you gain a practical understanding of HPE GreenLake for Block Storage MP integration with Microsoft Windows, Linux, VMware, and Veeam Backup & Replication.

After completing this course, you should be able to:

- Integrate HPE GreenLake for Block Storage MP with Windows environments
- Integrate HPE GreenLake for Block Storage MP with Linux environments
- Integrate HPE GreenLake for Block Storage MP with VMware environments
- Describe integrations with Kubernetes containers
- Integrate HPE GreenLake for Block Storage MP with Veeam Backup & Replication backup software

Audience

This course is ideal for storage administrators who desire additional training on the integration features of HPE GreenLake for Block Storage MP storage arrays.

## Plan szkolenia:

- Module 1: Windows Integration
  - HPE Storage Management Pack for SystemCenter Ops Manager (SCOM)
  - HPE Storage PowerShell Toolkit
  - Windows space reclamation



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- Hyper-V ODX
- Peer Persistence for Windows Server overview
- HPE Cluster Extension CLX for Windows overview

- Module 2: Linux Integration
  - Linux preparation
  - FC configuration
  - iSCSI configuration
  - Multipathing configuration
  - Space reclamation process
- Module 3: VMware Integration
  - HPE Storage Integration Pack for vCenter
  - VMware vStorage APIs for Array Integration (VAAI)
  - VMware vVols
  - VMware space reclamation
  - VMware vSphere Metro Storage Cluster with Peer Persistence overview
  - vCenter Site Recovery Manager™ overview
- Module 4: Containers and Kubernetes
  - Containers overview and introduction
  - Kubernetes introduction
  - Container storage interface (CSI)
  - Implementation examples
  - Use cases
- Module 5: Backup Integration: Veeam Backup & Replication
  - Introduction
  - Traditional and storage snapshot-powered backups
  - Backup from local replicas
  - Backup from remote replicas
  - Instant VM recovery from HPE Storage Snapshot
  - Veeam DataLabs from HPE Storage Snapshot
- Lab 1: Working with Windows Integrations
  - Task 1: Working with local PowerShell Toolkit
- Lab 2: Working with Linux Integrations
  - Task 1: Configure the Linux host
  - Task 2: Create a host set for the Linux host
  - Task 3: Create a volume for the Linux host
  - Task 4: Perform SCSI discovery, work with multipathing, and configure the disk device



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- Lab 3: Working with VMware Integrations
  - Task 1: HPE Storage Integration Pack for VMware vCenter initial configuration
  - Task 2: Creating a VMFS datastore manually
  - Task 3: Working with vVols and HPE Storage Integration Pack for VMware vCenter
  - Task 4: Using other functionalities of HPE Storage Integration Pack for VMware vCenter
- Lab 4: Working with Veeam Integrations
  - Task 1: Initial Veeam and HPE Alletra Storage Preparation
  - Task 2: Creating backups using Veeam and HPE Alletra Storage
  - Task 3: Instant virtual machine recovery with HPE Alletra Storage
- Lab 5: Using the REST API
  - Task 1 - HPE Alletra Storage REST preparation and login
  - Task 2 - Using the Postman client to create a resource
  - Task 3 - Using the Postman client to delete a resource
  - Task 4 - Using cURL to manage resources

## Wymagania:

Before attending this course, you should complete one of the following courses:

- Managing HPE GreenLake for Block Storage MP
- Managing HPE GreenLake for Block Storage MP eLearning

## Poziom trudności

## Certyfikaty:

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

## Prowadzący:

Authorized HPE Trainer.



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