Szkolenie: HPE
HPE Alletra 9000 Integration

Cel szkolenia:

This course provides additional knowledge of Windows, Linux®, and VMware® connectivity to HPE Alletra 9000 storage arrays, as well as various integration capabilities of those families with listed operating systems. That includes Windows and Linux toolkits, VMware integration plug-in, and VMware vSphere® Virtual Volumes™ (vVols) support. Additionally, overview of containers support based on Kubernetes® is also presented. Veeam® Backup & Replication™ integration with HPE Alletra 9000 replication features is also discussed.

Using extensive hands-on lab exercises that comprise over 70% of the course, you gain a practical understanding of HPE Alletra 9000 integration with Microsoft Windows, Linux, VMware, Kubernetes containers, and Veeam Backup & Replication.Course objectives

After completing this course, you should be able to:

- Integrate HPE Alletra 9000 storage with Windows environments
- Integrate HPE Alletra 9000 storage with Linux environments
- Integrate HPE Alletra 9000 storage with VMware environments
- Describe integrations with Kubernetes containers
- Integrate HPE Alletra 9000 storage with Veeam Backup & Replication backup software

Audience

This course is ideal for storage administrators who desire additional training on the integration features of HPE Alletra 9000 storage arrays.

Plan szkolenia:

- Module 1: Windows Integration
  - HPE Storage Toolkit for Windows
  - HPE Storage Connection Manager for Windows
  - Microsoft Volume Shadow Copy Service
  - PowerShell cmdlets

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- Diagnostic Tools
- Windows Space reclamation

- Module 2: Linux Integration
  - HPE Storage Toolkit for Linux
  - Setting Up Multipathing Software on the Host
  - Space Reclamation Process
  - VMware vVols
  - vSphere Metro Storage Cluster with HPE Peer Persistence
  - vCenter Site Recovery Manager
  - Persistence
- Module 3: VMware Integration
  - HPE Storage Integration Pack for vCenter
  - HPE Alletra 9000 VMWare vCenter® Plugin
  - VMware space reclamation
  - VMware Synchronized Snapshots
  - VMware vVols
  - 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
- Lab 1: Working with Windows Integrations
  - Task 1: Working with HPE Alletra 9000 and Primera and 3PAR 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
- 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: Using HPE Storage Integration Pack for VMware vCenter to create a vVol datastore

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- Task 4: Using other functionalities of HPE Storage Integration Pack for VMware vCenter
- Lab 4: Working with Veeam Integrations
  - Task 1: Initial Veeam and Alletra Preparation
  - Task 2: Creating backups using Veeam and HPE Alletra
  - Task 3: Instant Virtual Machine Recovery with HPE Alletra
- Lab 5: Using the REST API
  - Task 1 - Alletra 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 have completed one of the following courses:

- Managing HPE Alletra 9000

Poziom trudności



Certyfikaty:

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

Prowadzący:

Authorized HPE Trainer.

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