Szkolenie: HPE

HPE Nimble II: Remote Replication and Integrations

Cel szkolenia:

This course provides additional knowledge of the advanced capabilities of HPE Nimble Storage arrays, including multiarray groups and pools, replication, disaster recovery, VMware® vVols, configuration of syslog and SNMP trap forwarding, and audit logs and event logs. Using extensive hands-on lab exercises that comprise over 70% of the course, you gain a practical understanding of HPE Nimble Storage integration with Microsoft Windows, Linux, VMware and Veeam.

Upon completion of this course, students will be able to:

- Review HPE Nimble Storage topics
- Discuss and understand disaster terminology
- Describe, configure and perform replication between groups for both planned and unplanned disaster recovery scenarios
- Discuss peer persistence
- Discuss and perform advanced administration features, including volume performance settings, SNMP, deduplication, encryption, and more
- Configure and manage multi-member groups, storage pools and discuss scale-up and scale-out guidelines and requirements
- Configure and perform volume moves between pools, and volume striping in a multi-member pool
- Discuss network considerations, networking best practices and scenarios for HPE Nimble Storage
- Describe integrations with Windows, Linux, VMware and Veeam

Audience:

Storage administrators who desire additional training on the advanced features of HPE Nimble

Plan szkolenia:

- Course Introduction
  - Agenda
  - Topics review
- Architecture and Advanced Features

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ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
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- Read and write operations
- Nimble FS
- Triple+ Parity RAID
- Sparing
- Deduplication
- Encryption

- HPE Nimble Storage Replication
  - Disaster recovery terminology (planning, RPO, RTO, etc.)
  - SmartReplicate overview
  - Async replication
  - Sync replication
  - Replication capabilities (architecture, topologies incl. fan-out, etc.)
  - SmartReplicate operations
  - Peer persistence architecture and operations
- Scale-out
  - Scale-to-fit review
  - Scale-out groups
  - Scale-out pools
  - Scale-out operations
  - Scale-out limitations and rules
- Windows Integration
  - VSS theory
  - VSS in use on Nimble
  - NWT components review
  - Space reclamation
- Linux Integration, Oracle and Docker Integration
  - HPE Nimble Storage Linux Toolkit (NLT)
  - NCM
  - HPE Nimble Storage Oracle Application Data Manager
  - HPE Nimble Host Tuning Utility/Nimbletune
  - Space reclamation
- VMware Integration
  - VMware integration features
  - NCM
  - VMware vCenter® integration
  - SRM integration

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- Synchronized snapshots
- APIs and space reclamation
- vVols
- dHCI introduction

- Backup Solution Integration
  - HPE RMC overview and basic architecture
  - Veeam overview and basic architecture
  - Data Protector overview and basic architecture
  - Additional data protection training

Wymagania:

Prior to attending this course, students should complete one of the following courses:

- HJ7C5S: HPE Nimble I: Management and Local Replication
- H6LH8S: HPE Nimble Storage Introduction and Administration
- H9TH5S: HPE Nimble Storage Introduction and Administration (with extended lab time)
- H9TH6AAE: Introduction to HPE Nimble Storage and InfoSight Analytics, Rev. 18.41
- H9TH1S: Designing HPE Nimble Solutions, Rev. 18.21 (01113228)

Poziom trudności



Certyfikaty:

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

Prowadzący:

Authorized HPE Trainer.

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