Szkolenie: HPE
Managing HPE Nimble Storage

Cel szkolenia:

Using hands-on labs, this course teaches students how to perform common management tasks, including array installation, volume creation, and data protection/recovery using snapshots. This course also covers system monitoring basics using HPE InfoSight. It provides additional knowledge of the advanced capabilities of HPE Nimble Storage arrays, including multi-array 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, you gain a practical understanding of HPE Nimble Storage integration with Microsoft Windows, Linux, VMware, Veeam, and Commvault.

This course is the combination of:

- HJ7C5S: HPE Nimble I: Management and Local Replication
- HJ7C6S: HPE Nimble II: Remote Replication and Integrations

Course objectives

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

- Perform initial configuration of a new array with NSM and GUI
- Perform post-installation tests
- Create volumes and zero-copy clones
- Attach and verify volumes/clones to Windows
- Create and modify data protection policies for volumes
- Restore volumes and individual files from a snapshot
- Use the HPE Nimble GUI to monitor array capacity/performance
- 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

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pool

- Discuss network considerations, networking best practices and scenarios for HPE Nimble Storage
- Describe integrations with Windows, Linux, VMware, Veeam, and Commvault

Audience

This course is for customers, administrators and channel partner sales or technical sales. Also, storage administrators who desire additional training on the advanced features of HPE Nimble Storage benefit from this course.

Plan szkolenia:

- Module 1: Course Introduction and Overview
  - Agenda
  - Documentation
  - Capacity units
- Module 2: AF and HF-Series Hardware
  - Portfolio overview
  - AF-Series controllers and enclosures
  - HF-Series controllers and enclosures
  - Memory driven flash (SCM)
- Module 3: Array Initialization and Setup
  - HPE Welcome Center
  - Networking overview
  - HPE Nimble Setup Manager
  - Initialization
  - Setup
  - Post-setup test
  - Firewall configuration
  - Data Services Cloud Console
- Module 4: HPE Nimble Storage OS WebUI Introduction
  - How to access
  - Tour
  - User management
  - Basic monitoring
  - Updating HPE Nimble Storage OS
  - Data Services Cloud Console Data Ops Manager OS upgrade

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- Module 5: Working with HPE Nimble Storage Volumes
  - Volume Concepts
  - Provisioning and performance policies
  - Protection templates overview
  - Volume collections
  - Volume creation
  - Fibre channel zoning
  - Access control and initiator groups
  - Presentation
  - HPE Nimble Storage Windows Toolkit
  - HPE Nimble Storage Connection Manager
- Module 6: HPE Nimble OS Advanced Features Overview
  - Deduplication
  - Compression
  - HF-Series volume pinning
  - Quality of service (QOS)
  - SmartSecure encryption
- Module 7: Snapshots and Clones
  - How HPE Nimble Storage snapshots work
  - How HPE Nimble zero-copy clones work
  - Volume collections and scheduled snapshots
  - Manual snapshot creation
  - Zero-copy clones
- Module 8: Introduction to HPE Nimble Storage Replication and Peer Persistence
  - Basic replication concepts
  - Replication use cases
  - How asynchronous replication works
  - Peer persistence overview
  - To learn more about replication
- Module 9: Introduction to Scaling with HPE Nimble Storage
  - Scale-to-fit options overview
    - Scale-up
    - Scale-out
    - Scale-deep
  - HPE Timeless Storage
  - Next training direction

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- Module 10: Introduction HPE InfoSight
  - Concepts
  - Architecture
  - Benefits

Poziom trudności



Certyfikaty:

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

Prowadzący:

Authorized HPE Trainer.

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