

Szkolenie: HPE  
HPE Nimble Storage Administration and Integration

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Tradycyjne	3900 PLN NETTO*	2 dni
Stacjonarne	Tablet CTAB	4500 PLN NETTO*	2 dni
Metoda dlearning	Tradycyjne	3900 PLN NETTO*	2 dni
Metoda dlearning	Tablet CTAB	4500 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

## DOSTĘPNE TERMINY

2020-12-14 | 2 dni | Warszawa

## Cel szkolenia:

This course will provide additional knowledge of the advanced capabilities of the HPE Nimble Storage arrays, including MultiArray Groups and Pools, QOS, Volume Pinning, Replication, Disaster Recovery, VMWare VVOLs, configuration of Syslog and SNMP trap forwarding and explore the audit logs and event logs. Using extensive hand-on lab exercises that comprise over 70% of the course, you will gain a practical understanding of integrating HPE Nimble Storage with Microsoft Windows, Linux, VMWare and Veeam. In addition to the instructor supported lab time, students will receive 3 additional consecutive days of extended lab time starting immediately after the class finishes.

## Course objectives:

- Review HPE Nimble Storage platforms and associated features
- Discuss and understand disaster Recovery RPO and RTO
- Describe, configure and perform replication between groups for both planned and unplanned disaster recovery scenarios
- Discuss and perform advance administration features including volume performance settings, SNMP, deduplication, encryption, etc
- Working with clones and Zero copy clones
- Create a volume snapshot and perform a file recovery, as well as a volume recovery from a snapshot
- 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 and networking best practices and scenarios for HPE Nimble Storage
- Discuss Nimble QOS features
- Describe VSS and how it can be used in your storage environment, and how it integrates with Nimble Storage
- Perform Application integration with VMware, Linux and Veeam
- Evaluate design considerations and best practices

Audience / Job Roles

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

Plan szkolenia:

- HPE Nimble Storage Administration and Integration
  - Describe features available with the HPE Nimble Storage Platform
  - Review Concepts and Terminology
- Introduction to HPE Nimble Storage Advanced Features
  - Use and configure key features of the HPE NimbleStorage Platform
  - Describe and use Volume pinning
  - Describe and use Qos
  - Describe and use Deduplication
- Understanding Disaster Recovery and Business Continuity
  - Describe the objectives of a disaster recovery plan
  - Describe recovery timeline objectives Disaster Recovery RPO and RTO
- Data Protection – Advanced Snapshot Usage
  - Understanding how space is used with Snapshots
  - Creating a scheduled and unscheduled snapshot
  - Connecting to a snapshot
  - Using a snapshot to recover a file or a full volume
  - Discuss VSS usage and Windows Integration
  - Describe and demonstrate Zero Copy clones
  - Create a Zero Copy clone
- Data Protection – Replication Usage
  - Describe basic replication concepts

- Understand SmartReplicate components
- Nimble Storage SmartReplicate features
- Configure SmartReplicate
- Understanding Replication space considerations
- Perform handover for a non disaster event
- Perform disaster recovery using SmartReplicate
- Scale-out, Multi-Array Groups and Pools
  - Describe the use and benefits of Nimble Storage's Scale-Out Architecture
  - Describe the following Scale-Out concepts
    - Groups
    - Group Leader / Scale-Out Database
    - Pools
  - Describe the steps in the following group operations
    - How new arrays can be added to and removed from groups
    - How to merge storage pools
    - How to merge groups
  - Describe preconditions and limitations on the operations above
- Understanding Network Requirements and Usage
  - Discuss Network requirements and common network scenarios
  - Identify Network Best Practice guidelines
    - Group Level
    - Between Groups
    - Initiator-Group Subnet Segregation, why?
    - Sub-netting for multiple Data Subnets
    - Replication
    - Best Practice for full Redundancy
- Windows Integration
  - Review HPE Nimble Storage Application and System integration products
  - Perform integration tasks between key HPE Nimble Storage and Windows
- Linux, Oracle and Docker Integration
  - Review HPE Nimble Storage Application and System integration products
  - Perform integration tasks between key HPE Nimble Storage and Linux
- VMware and VVol Integration
  - Review HPE Nimble Storage Application and System integration products
  - Perform integration tasks between key HPE Nimble Storage and VMware
- Veeam Integration

- Review HPE Nimble Storage Application and System integration products
- Perform integration tasks between key HPE Nimble Storage and Veeam
- Review Appendix
  - Product Line
  - Hardware Tour
  - Introduction to Monitoring With the WebUI
  - User Administration

## Wymagania:

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

## Poziom trudności



## Prowadzący:

Authorized HPE Trainer.