

Data ONTAP is the data storage operating system from NetApp.

### Ihr Nutzen

This 3-day, instructor led course uses lecture and hands-on exercises to teach basic administration and configuration of an ONTAP cluster. You will learn to use the cluster shell and OnCommand® System Manager to manage storage and network resources. The hands-on labs allow you to practice working with ONTAP features and manage your storage and network resources using the cluster shell and OnCommand System Manager.

### Preis pro Teilnehmer

EUR 2700,- exklusive der gesetzlichen MwSt.

### Seminardauer

3 Tag(e)

### Seminarinhalte

#### \* Module 1: ONTAP Overview

- Data Fabric
- ONTAP software
- Fabric layers
- The cluster
- Nodes
- High-availability pairs
- Networks
- Ports and logical interfaces
- ONTAP storage architecture
- Physical storage
- SVM
- Data LIFs
- Simply Anywhere
- ONTAP Select
- ONTAP cloud

#### \* Module 2: Cluster Setup

- Terminology review
- FAS configurations
- Supported cluster configurations
- Cluster setup steps
- Disk-shelf
- Power on
- Firmware
- Boot menu
- Connections
- Node installing and initialization
- Boot sequence
- Creating a cluster
- Cluster administrators
- Clustershell
- OnCommand system manager 9.0

#### \* Module 3: Management

- Managing clusters
- Administrators
- Access
- RBAC
- Active directory authentication
- Administrative security
- Date and time
- Licensing

### Voraussetzungen

It is required that students have a working knowledge of SAN and NAS concepts.

### Hinweise

ONTAP9ADM,  
Dieses Seminar wird mit einem zertifizierten Trainingspartner durch geführt und dient somit auch als Vorbereitung für Ihre Zertifizierung.

Version: 9

- Policy-based storage services
- Policy-based management
- Jobs and schedules

#### \* Module 4: Network management

- Network types
- Physical ports
- Modifying network port attributes
- Ifgroups
- VLANS
- IPspace review
- Broadcast domains
- Subnets
- Network interfaces
- Logical interfaces
- Data LIFs
- Nondisruptive LIF features
- Failover groups vs. failover policies
- Routing management
- Host-name resolution

#### \* Module 5: Physical Storage

- Storage architecture
- Disks and aggregates
- Spare disks
- RAID groups
- ONTAP RAID technologies
- Virtual storage tier
- Flash cache 2 feature
- Flash pool aggregates
- SSD tier
- SSD partitioning
- Root-Data advanced drive partitioning

#### \* Module 6: Logical Storage

- Flexible volumes
- Files and LUNs
- Volumes in aggregates
- Properties
- SVM flexible volume
- Snapshot copy technology
- Copy design
- Snapshot policy
- Typical workflow
- Recovering data
- UNIX client
- Moving volumes

#### \* Module 7: Storage Efficiency

- Thick and Thin provisioning
- Deduplication

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