

ST196c-EN Integrating Hybrid Clouds with Microsoft Azure

Kurzbeschreibung:

In this course, you learn to implement a hybrid cloud solution with Microsoft Azure by using NetApp® Cloud Volumes ONTAP®. You connect an Azure Virtual Network (VNet) and an on-premises data center to unify your infrastructure. You use NetApp BlueXP (formerly Cloud Manager) to move data and manage storage in the hybrid cloud. You learn how NetApp cloud services are integrated into BlueXP to provide persistent storage for Kubernetes containers and enhance data protection, security, and compliance. You also learn to optimize the capacity and performance of Cloud Volumes ONTAP.

Zielgruppe:

- Administrators
- Operators
- Architects
- Implementation engineers

Voraussetzungen:

For a successful learning experience, we recommend that you know the following concepts before you attend the course.

- Participation in the course **ST195c-EN Integrating Hybrid Clouds Foundation**
- Cloud computing concepts: Cloud characteristics, service delivery methods, and cloud deployment models
- Networking concepts and definitions: Classless Inter-Domain Routing (CIDR) and network address translation (NAT)
- Azure concepts: Subscriptions, VNet, virtual machines (VMs), Azure storage accounts, and Azure Blob storage

Sonstiges:

Dauer: 2 Tage

Preis: 1980 Euro plus Mwst.

Ziele:

This course focuses on enabling you to do the following:

- Configure a VNet and connect it to an on-premises data center with VPN Internet Protocol security (IPsec)
- Describe Cloud Volumes ONTAP architecture
- Install a connector and deploy Cloud Volumes ONTAP
- Explain basic system administration tasks with BlueXP
- Copy data between an ONTAP based system and Cloud Volumes ONTAP for Azure for disaster recovery
- Use data tiering to Azure Blob storage for Cloud Volumes ONTAP

- Use Cloud Volumes ONTAP as persistent storage for Kubernetes containers
- Identify performance and sizing options for Cloud Volumes ONTAP

Inhalte/Agenda:

- **Module 1: Public cloud essential concepts**
 - ◆ Azure networking and other concepts
 - ◆ Terraform introduction
- **Module 2: Connectivity from the public cloud to other networks**
 - ◆ Microsoft Azure VNet connectivity to an on-premises network
- **Module 3: Deploying a connector**
 - ◆ Review a connector
- **Module 4: NetApp Cloud Volumes ONTAP**
 - ◆ NetApp Cloud Volumes ONTAP architecture review
 - ◆ Deploying Cloud Volumes ONTAP
 - ◆ Highly available NetApp Cloud Volumes ONTAP in Azure
- **Module 5: Administration of NetApp Cloud Volumes ONTAP**
 - ◆ Administering Cloud Volumes ONTAP
- **Module 6: Data protection**
 - ◆ Data protection
 - ◆ Administering Cloud Volumes ONTAP
- **Module 7: Tiering**
 - ◆ Tiering in Azure