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:

- Systems Administrators
- Operators
- Cloud Architects
- Enterprise Architects
- Integration Developers

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 **ST196c-EN Integrating Hybrid Clouds with Microsoft Azure** 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

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