

## ***ST295c-EN Integr. Hybrid Clouds with AWS, Azure and Google***

### **Kurzbeschreibung:**

In the course **ST295c Integrating Hybrid Clouds with AWS, Azure and Google**, you will gain hands-on experience with NetApp's Hybrid Cloud Solutions and how to integrate them into the data fabric. Microsoft Azure, Amazon Web Services (AWS) and Google Cloud Solutions are used. Using numerous lab exercises, participants will learn how to migrate data from the private cloud to the public cloud, between public clouds and from the public cloud back to the private cloud. Both NetApp and 3rd party tools are used here.

### **Zielgruppe:**

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

### **Voraussetzungen:**

NetApp Certified Data Administrator (NCDA) certification or equivalent knowledge  
Cloud Fundamentals  
Basic computer networking knowledge

### **Sonstiges:**

**Dauer:** 5 Tage

**Preis:** 4700 Euro plus Mwst.

### **Ziele:**

This course familiarizes you with NetApp hybrid cloud, Microsoft Azure, Amazon Web Services (AWS) and Google solutions and shows you how to weave the solutions into the Data Fabric powered by NetApp. In numerous exercises, you use NetApp and third-party tools to practice how to manage, move, and protect data throughout the cloud.

**This workshop prepares for the "NetApp Certified Hybrid Cloud Administrator (NSO-302)" exam.**

## Inhalte/Agenda:

- **◆ Cloud basics**
  - ◆ **Physical lab environment with:**
    - ◆ 12 ESX Servern
    - ◆ AMD Ryzen 5950X (16 Cores)
    - ◆ 128 GB RAM
    - ◆ 3x SSDs und 2x NVMe
    - ◆ 10 Gbit/s Ethernet
    - ◆ Arista Switch
    - ◆ NetApp A220 All Flash
  - ◆ **Introduction to NetApp's DataFabric**
  - ◆ **Introduction to NetApp Private Storage for Clouds (NPS for Cloud)**
  - ◆ **Requirements of NetApp Private Storage (NPS) Networking**
  - ◆ **Deployment of a hybrid cloud for customers**
  - ◆ **Focus:**
    - ◆ AWS Virtual Private Cloud environment for Hybrid Cloud (focus)
  - ◆ **In addition:**
    - ◆ Azure Virtual Network environment for hybrid cloud (supplement)
    - ◆ Google Cloud Networking for hybrid cloud (supplement)
  - ◆ **ata migration between AWS, Azure, Google and private cloud**
  - ◆ **Cloud Insights**
  - ◆ **SPOT**
  - ◆ **PowerShell in a data fabric environment**
  - ◆ **Extending customers' Active Directory in the cloud**
  - ◆ **Cloud Volumes Ontap (CVO), Cloud Volumes Service (CVS) and ONTAP Select setup, configuration, operation**
  - ◆ **Monitoring the hybrid cloud with the OnCommand Suite**
  - ◆ **Using ONTAP Cloud Instances with BlueXP™**
  - ◆ **Use BlueXP™ to create SnapMirror connections between ONTAP Cloud software and Private Cloud**
  - ◆ **Data recovery with Data Fabric Solution for Cloud Backup**
  - ◆ **Cloud Sync Service with file system and object storage (local data centre, AWS, Azure, GCP)**
  - ◆ **SaaS Backup (Cloud Control)**
  - ◆ **Synchronous snap mirror between hyperscalers (AWS, Azure, GCP)**