

## ***ST954c SAP HANA and NetApp***

### **Kurzbeschreibung:**

SAP HANA with NetApp ONTAP administration

### **Zielgruppe:**

System administrators and system engineers who are responsible for the management of SAP HANA in a NetApp environment

### **Voraussetzungen:**

Well-founded knowledge in Linux and NetApp ONTAP (Administration, Data Protection). Knowledge regarding NetApp MetroCluster is recommended.

### **Sonstiges:**

**Dauer:** 5 Tage

**Preis:** 4500 Euro plus Mwst.

### **Ziele:**

In this workshop the participants gain the ability to optimally operate an SAP HANA database in a NetApp ONTAP environment. The delegates learn about the architecture and features of the SAP HANA database.

Furthermore, you gain knowledge regarding installation, upgrading and operating an SAP HANA database as well as the security and high availability aspects. You will understand the differences between HANA Version 1.0 and 2.0 and learn more about the HANA Cockpit. The basic integration of both technologies, additional values and best practices regarding SAP HANA and NetApp (e.g. backup, snapshots and high availability) will be presented in detail.

## Inhalte/Agenda:

- Introduction SAP HANA
- Prerequisites
  - ◆ Sizing
  - ◆ HW check
  - ◆ Parameter adaptation for Linux and NetApp
- HANA installation & upgrade
  - ◆ HDBLCM
  - ◆ Revision strategy
  - ◆ Licence management
- SAP HANA architecture
  - ◆ Storage management
  - ◆ Persistence
- Deployment options
  - ◆ Appliance vs. TDI
  - ◆ Multi-tenant database container
  - ◆ Virtualization
- Administration tools
  - ◆ HANA Cockpit
  - ◆ DBACockpit
  - ◆ HDBSQL
- Operation and Monitoring
  - ◆ Starting and Stopping HANA
  - ◆ Configuration and parametrization
  - ◆ Traces
  - ◆ Monitoring & Alerting
- Backup & Recovery
  - ◆ Concepts
  - ◆ File based backups
  - ◆ Backups with Backint
  - ◆ Snapshots with NetApp SnapCenter
- High availability
  - ◆ System replication
  - ◆ Storage replication with NetApp MetroCluster