

## ***ST274c-EN MetroCluster Administration***

### **Kurzbeschreibung:**

Metrocluster IP 9.15.1 Installation, configuration and administration including switch configuration.

### **Zielgruppe:**

Administrators of partners and customers

### **Voraussetzungen:**

- NetApp ST200c training
- Basic network, Linux and Windows knowledge is recommended

### **Sonstiges:**

**Dauer:** 5 Tage

**Preis:** 4700 Euro plus Mwst.

### **Ziele:**

This training shows you in the style of a workshop both theoretically and practically how to configure and connect the Metro Cluster IP and the entire infrastructure. The training is conducted with 4 A220 systems (or 2 complete metroclusters), 8 BES-53248 switches and ClusterLion. In addition, physical VMware, Windows and Linux systems are connected and the various switchover and switchback scenarios are tested.

The certification NS0-527 can be done at the end of the course.

## Inhalte/Agenda:

- **◆ 2 x MetroCluster-IP 9.15.1 with A220**
  - ◆ ◇ 8 x BES switches
  - ◆ ◇ 2 x ClusterLion
  - ◆ ◇
- ◆ Overview
- ◆ Network basics: tagged, untagged VLANs, spanning tree, link aggregation, hash algorithms, QoS, ECN
- ◆ Cabling
- ◆ BES, Cisco and Metrocluster Compliant Switches Configuration
- ◆ Metrocluster configuration
- ◆ Switchover, Switchback
- ◆ Reconstruction of a completely destroyed site
- ◆ MAUSO (Mediator-assisted automatic unplanned switchover).
- ◆ **Tiebreaker, Mediator, ClusterLion configuration and testing**
- ◆ Linux NetEM WAN simulator to test latency (distance)
  - ◆ ◇ Packet loss, duplication, out-of-order delivery.
  - ◆ ◇ Corruption and Jitter
- ◆ Windows, Linux, ESX connectivity via iSCSI, NFS and CIFS
- ◆ Performance testing with FIO
- ◆ Discuss and execute failure scenarios
- ◆ Troubleshooting
- ◆ Best practices
- ◆ Active IQ Config Advisor
- ◆ Open Lab Time for consolidation
- ◆ **Exam preparation**
- ◆ Accreditation exam NS0-527