ONTAP SAN Administration Training

Course Outline

Duration : 2 days

Module 1: ONTAP SAN Fundamentals

- SAN architecture

- Implementing iSCSI, FC and FCoE SAN in ONATP

- Interoperability matrix tool

- SAN scalability and maximums

Module 2: ONTAP SAN Resource Provisioning

- IP SAN configurations

- FC SAN configurations

- LUN provisioning

Module 3: SAN Host Integration

- Host utilities

    o AIX

    o ESX

    o HPE UX

    o Linux

    o MS Windows

- Zoning considerations

- Cisco switches

- Brocade switches

Module 4: ONTAP iSCSI Administration

- iSCSI SVM creation workflow

- iSCSI, FC and FCoE recommended guidelines

- iSCSI features

Module 5: ONTAP FC and FCoE Administration

- FC and FCoE LUN creation overview

- FCoE overview

- FCoE configuration

Module 6: SAN Availability and Data Protection

- High Availability and Host Multipathing

- LUN and volume configuration options

- Data protection in SAN environments

- Fast failover

Module 7: Management of ONTAP SAN Environments

- LUN mobility

- Copy offloading

- SAN performance recommendations

    o Quality of service(QoS)

    o Balanced placement

    o Performance capacity

Module 8: NVMe-oF for High Performance and Scalable Network Storage

- NVMe

- NVMe over Frabrics (NVMe-oF)

- NVMe integration into ONTAP

- NVMe setup and configuration

Module 9: SAN Migration with Foreign LUN Import

- Foreign LUN import overview

- Import process

- Requirements

- Preparation

- Tools and utilities

Labs:

- Configuring initial setting: subnet, aggregates and SVMs

- Creating LUNs

- Integrating hosts

- Connecting iSCSI LUNs

- Managing FC and FCoE configurations

- Reviewing multipathing information

- Moving LUNs and volumes