

10971: Storage and High Availability with Windows Server

Course Details

Course Outline

1. Fundamental Storage Technologies and Components

- Disk and File Systems Changes in Windows Server 2012
- Server Storage Topology
- Bus Technologies and Protocols
- Configuring Sharing in Windows Server
- Securing Volumes and Drives

2. Implementing Storage Spaces and Data Deduplication

- Implementing Storage Spaces
- Maintaining Storage Spaces
- Implementing Data Deduplication

3. High Availability in Windows Server

- Understanding High Availability
- High Availability and Disaster Recovery Solutions with Hyper-V Virtual Machines
- High Availability with Clustering in Windows Server 2012

4. Implementing Failover Clustering

- Planning a Failover Cluster
- Creating a New Failover Cluster

5. Managing Server Roles and Clustering Resources

- Configuring Highly Available Applications and Services on a Failover Cluster
- Managing and Maintaining a Failover Cluster
- Troubleshooting a Failover Cluster
- Implementing Site High Availability with Multisite Failover Clusters

6. Implementing Failover Clustering with Hyper-V

- Overview of Integrating Hyper-V with Failover Clustering
- Implementing Hyper-V with Failover Clustering
- Virtual Machine Storage Options
- Managing and Maintaining Hyper-V Virtual Machines on Failover Clusters

7. Storage Infrastructure Management with Virtual Machine Manager

- Overview of Virtual Machine Manager
- Managing Storage Infrastructure with Virtual Machine Manager
- Provisioning Failover Clustering in Virtual Machine Manager

8. Cloud-Based Storage and High Availability

- Azure Storage Solutions and Infrastructure
- Cloud Integrated Storage with StorSimple
- Disaster Recovery with Azure Site Recovery

9. Implementing Network Load Balancing Clusters

- Overview of NLB
- Configuring an NLB Cluster
- Planning an NLB Implementation