PEAKUP
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10971BC

Storage and High Availability with Windows Server

4 DAYS

Get hands-on instruction and practice provisioning your storage requirements and meeting your high availability needs with Windows Server 2012 and Windows Server 2012 R2 in this four-day Microsoft Official Course.

In this course, you will learn about traditional storage topologies such as Direct Attached Storage (DAS), Network Attached Storage (NAS), Storage Area Networks (SANs), and bus technologies such as Fibre Channel and iSCSI. The course also covers newer Windows Server technologies such as Storage Spaces, tiering, thin provisioning and Data Deduplication, and enhanced functionality to the SMB sharing protocol in Windows Server 2012 R2.

Module 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

Module 2: Implementing Storage Spaces and Data Deduplication

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

Module 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

Module 4: Implementing Failover Clustering

- Planning a Failover Cluster
- Creating a New Failover Cluster

Module 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

Module 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

Module 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

Module 8: Cloud-Based Storage and High Availability

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

Module 9: Implementing Network Load Balancing Clusters

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