NetApp - Implementing Microsoft Hyper-V on Data ONTAP

Code:	NA-IMPMSHV
Length:	2 days
URL:	View Online

Skills Gained

- By the end of this course, you should be able to:
- Describe Microsoft Windows Server 2012 R2 Hyper-V virtualization solution
- Articulate the NetApp value proposition when integrating the Data ONTAP operating system with virtualization solutions
- Describe the main concepts, terminology and operation of SnapManager for Hyper-V v2.1
- Demonstrate the configuration of SnapManager for Hyper-V v2.1 hosts, datasets, policies, event notifications and reporting
- Identify capabilities, functions and integration of the Microsoft and NetApp management, backup, and migration tools in a public, private and hybrid cloud environment

Who Can Benefit

- NetApp employees, channel partners, and customers

Prerequisites

- NetApp core technical training or equivalent knowledge
- NetApp SAN core technical training or equivalent knowledge
- Basic knowledge of Microsoft virtualization and hypervisors

Course Details

Implementing Microsoft Hyper-V on Data ONTAP

- Module 1: Overview of Microsoft Hyper-V
- Microsoft (MS) Server virtualization framework
- MS private cloud
- MS hyper-V architecture

- Virtual hard disk (VHD) formats and types of virtual disks
- Hyper-V virtualization features and virtual disk types
- Module 2: Introduction to SnapManager for Hyper-V (SMHV)
- SMHV features and architecture
- MS VSS
- SMHV backup process
- SMHV data management concepts
- SMHV components
- Module 3: SnapManager for Hyper-V with NAS and SAN
- SAN environment features
- CSV features
- MS Server 2012 failover clustering
- NAS SMB 3.0 protocols
- Module 4: Installing SnapManager for Hyper-V
- Pre-install considerations
- SnapDrive for Windows
- PowerShell Toolkit
- SMHV installation requirements
- License keys
- Module 5: Configuring SnapManger for Hyper-V
- SMHV dashboard
- Hyper-V parent host
- Hyper-V VM exporting and importing
- SnapInfo directory settings
- SMHV backup jobs creation process
- SnapInfo Snapshot copy retention
- Windows scheduler
- On-demand backup jobs
- SMHV reports
- Module 6: Restoring Virtual Machines with SnapManager for Hyper-V
- Restoring a VM
- VM backup and recovery
- Restore wizard
- Migrating VMs
- Module 7: Managing the Integrated Virtualized Data Center
- NetApp and MS integrated solutions
- Private cloud
- Hybrid cloud
- Public cloud
- MS Azure site recovery
- Data fabric

- ESXi migration to Hyper-V
- OnCommand shift
- Alta Vault cloud-integrated storage
- Labs:
- Implementing Microsoft Hyper-V on Data Ontap
- Installing Hyper-V on Windows Server 2012 R2
- Preparing Storage and Networking For Installation
- Installing Snapdrive for Windows
- Installing Snapmanager for Hyper-V
- Configuring Snapmanager for Hyper-V For Backups
- Restoring Virtual Machines With Smhv
- Migrating Windows Live
- Migrating Virtual Machines with Oncommand Shift

Schedule (as of 3)

Date	Location

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