

Implementing Microsoft Hyper-V on Data ONTAP Training

Course Outline

Duration : 2 days

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