

# Implementing Microsoft Hyper-V on Data ONTAP (IMPMSHV)

## **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