Hyper-V along with SCVMM

Duration: 8 days

Configuring and Administering Hyper-V in Windows Server 2022

DAY 01

Module 1: Planning for Virtualization

      Overview of Microsoft Virtualization

      Assessment of Virtualization Candidates

      Planning for Virtualization

Module 2: Creating and Configuring Virtual Hard Disks and Virtual Machines

      Creating and Configuring Virtual Hard Disks

      Creating and Configuring Virtual Machines

      Managing Virtual Machine Snapshots

      Virtual Machine Import

DAY 02

Module 3: Configure Networking in Hyper-V

      Advanced features of Virtual Network Adapters

      Hyper-V Network Virtualization

      Hyper-V Extensible Switch

Module 4: Hyper-V Migration

      Live Migration Overview

      Storage Migration Overview

      Live Migration Security

      Live Migration using SMB

20745 – Topics of SCVMM

DAY 03

Module 1

Installing and configuring System Center 2016 Virtual Machine Manager

Module 2

Managing storage fabric and fabric updates

Module 3

Configuring and managing Virtual Machine Manager library and library objects

DAY 04

Module 4

Managing the networking fabric

Module 5

Creating and managing virtual machines by using Virtual Machine Manager

Module 6

Managing clouds in Microsoft System Center 2016 Virtual Machine Manager

DAY 05

Module 7

Managing services in Virtual Machine Manager

Module 8

Monitoring virtualization infrastructure by using System Center Operations Manager

Module 9

Implementing and managing Hyper-V Replica and Azure Site Recovery

DAY 06

Module 10

Protecting virtualization infrastructure by using Data Protection Manager

<u>Additional topics the client has requested</u>

VMware to Hyper-V migration

Patching

Monitoring

Hyper-V Architecture

Hyper-v host management

Windows Admin Center

Gen1 vs Gen2

DAY 07

VM Configuration Versions

VM Files

Memory Management in Hyper-V

Virtual Machine Processor Configurations

Numa

Discrete Device Assignment Support

vPMEM (virtual persistent memory) component level view

DAY 08   (theory session)

Enhanced Session Mode

Live Migration between 2019 to 2022 with configuration version

Failover cluster

Cross Domain Cluster migrations:- Demo

Azure Aware Clusters

Stretched Cluster

Cluster set:- Demo