

# **“Windows Server 2012 Hyper-V Training”**

## **Course Details:**

### **Chapter 1: Installing and Configuring the Hyper-V Server Role**

- Introduction
- Verifying Hyper-V requirements
- Installing Hyper-V
- Determining the Configuration Settings for Virtual Networks
- Configuring Virtual Network Settings by Using the Virtual Switch Manager
- Installing Microsoft Hyper-V Server 2012
- Installing Hyper-V Client
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### **Chapter 2: Creating and Managing Disk and Network Settings**

- Introduction
- Creating and adding virtual Hard Disks Based on Organizational Requirements
- Configuring IDE and SCSI controllers for Virtual Machines
- Creating Resource pools
- Creating and Managing Virtual Switches
- Using Advanced settings for Virtual Networks
- Enabling and Adding NIC Teaming to a Virtual Machine
- Configuring and Adding Hyper-V Virtual Fibre Channel to Virtual Machines
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### **Chapter 3: Hyper-V Remote Administrations**

- Introduction
- Configure the Windows Firewall
- Install the Hyper-V Manager on Windows 8
- Connect to the Hyper-V Server Remotely

- Enabling Remote Management for Hyper-V in Workgroup Environment ( Microsoft Hyper-V Server 2012)

#### **Chapter 4: Saving Time and Cost with Hyper-V Automation**

- Introduction
- Creating Virtual Machine Templates
- Creating New Virtual Machine Using Virtual Machine Template
- Converting Physical Computers to Virtual Machines

#### **Chapter 5: Hyper-V Best Practices, Tips and Tricks**

- Introduction
- Using the Hyper-V Best Practice Analyzer
- Setting up Dynamic Memory for Virtual Machines
- Installing and Configuring an Antivirus on Host and Virtual Machines

#### **Chapter 6: Hyper-V Security and Delegation of Control**

- Introduction
- Configuring Windows Update for Hyper-V
- Configuring Cluster-Aware Updating for Cluster nodes
- Reviewing Hyper-V Files, Services, Firewall Rules and Resources
- Delegating Control in Hyper-V
- Configuring Port ACLs
- Installing and Configuring BitLocker for Data Protection
- Configuring Hyper-V Auditing
- Reviewing Hyper-V Security Best Practices

#### **Chapter 7: Importing, Exporting and Manage Virtual Machines Movement in Hyper-V**

- Introduction
- Exporting and Importing Virtual Machines
- Live Migration Outside of a Clustered Environment (Live Migration of Virtual Machines with Nothing Shared)
- Performing Storage Migration

## **Chapter 8: Configuring High Availability in Hyper-V**

- Introduction
- Installing and Configuring as iSCSI Target Server in Windows Server 2012
- Installing and Configuring the Windows Failover Clustering Feature
- Enabling Cluster Shared Volume 2.0
- Configuring and Performing Live Migration between Failover Cluster
- Configuring VM Priority for Clustered Virtual Machines

## **Chapter 9: Backups and Disaster Recovery for Hyper-V**

- Introduction
- Backing Up Hyper-V and Virtual Machines using Windows Server Backup and Altaro Hyper-V Backup)
- Restoring Hyper-V and Virtual Machines Using Windows Server Backup and Altaro-Hyper-V Backup
- Using Snapshots in Virtual Machines
- Configuring Hyper-V Replication between Two Hyper-V Hosts
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## **Chapter 10: Differences between Hyper-V, Hyper-V Server, Hyper-V Client & VM VMware**

- Introduction
- Hyper-V Limitations Improvements
- Windows Server 2012 Hyper-V
- Microsoft Hyper-V Server 2012
- Hyper-V Client
- Windows Server 2012 Hyper-V Vs VMware vSphere 5.1

## **Bonus**

- Hyper-V Security solution with 5nine software ( Integrated Anti-Virus/Anti-malware, Virtual Firewall and Intrusion Detection)
- VT Technology Management Utilities for Microsoft Hyper-V Server 2012
- Microsoft Hyper-V Server 2012 DVD
- Microsoft Windows Server 2012 Datacenter DVD

- Lab Guides of All Chapters 1-10 + Simulation Videos

### **Training Investment:**

<b>Course</b>	<b>Duration(In Hours)</b>	<b>Investment Per Trainee</b>
Windows Server 2012 Hyper V	40	NRs.10,000/- plus VAT

#### **Mode of Payment:**

- All the payment must be cleared prior to the class start date.
- All the cheques should be drawn in favor of Com Tech Group Company Pvt.Ltd.

**Date: Feb 3<sup>rd</sup> 2013**

#### **Timing:**

- 7.00am to 9.00am

**Venue: Com Tech Group Company Pvt.Ltd.  
Computer Bazaar, Putalisadak, Ktm  
Email:info@hardwarenepal.com  
Phone no: 01-4423161**

#### **Terms and Condition:**

- The above stated price is exclusive of VAT.
- Hands out will be provided.

