# **6 Weeks Training Module in Windows Server 2012**



### **Installing and Configuring Windows Server 2012**

## **Installing and Managing Windows Server 2012**

- Windows Server 2012 Overview
- Installing Windows Server 2012
- Post-Installation Configuration of Windows Server 2012

### **Understanding and Configuring IP**

- Understanding and Configuring Network
- Understanding IP Version 4 (IPv4) Addressing
- Subnetting and Supernetting
- Configuring and Troubleshooting IPv4
- Understanding IP Version 4 (IPv4) Addressing

### **Configuring Name Resolution**

- ➤ Installing a DNS Server
- Configuring DNS Client Settings

#### Configuring a DNS Zone Infrastructure

- Creating and Configuring Zones
- Creating Resource Records
- Configuring Zone Replication and Transfers
- Implementing Stub Zones

#### **Creating a DHCP Infrastructure**

- Installing a DHCP Server
- Configuring a DHCP Server
- Creating Address Exclusions
- Creating Reservations
- Adjusting Lease Durations
- Configuring Additional DHCP Options
- Implementing User Classes

#### **Implementing Local Storage**

- Managing Disks, Volumes, and Partitions
- Understanding Basic and Dynamic Disks
- Simple or basic volumes
- Spanned volumes
- Striped volumes

- Mirrored volumes
- Raid-5 volumes

### **Configuring IP Routing**

- Routing Overview
- Routing Protocols
- Static Routing

### **Protecting Network Traffic with IPSec**

- Configuring IPSec
- IPSec Policies
- > Authentication Methods for IPSec
- Assigning a Predefined IPSec Policy

### **Configuring Network Address Translation**

- NAT Concepts
- Configuring Internet Connection Sharing
- Configuring Network Address Translation Using Routing And Remote Access

### **Configuring Wireless Networks**

- Wireless Networking Concepts
- Wireless Networking Standards
- Wireless Security Standards
- Infrastructure and Ad Hoc Wireless Networks

### **Connecting to Remote Networks**

- Remote Access Overview
- Dial-up Connections
- Virtual Private Networks
- Point-to-Point Tunneling Protocol (PPTP)
- Layer Two Tunneling Protocol (L2TP)

#### **Configuring Windows Firewall**

- Firewall Profiles
- > Filtering Inbound Traffic
- > Filtering Outbound Traffic

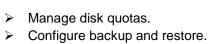
### **Monitoring Computers**

- Monitoring Event Logs
- Monitoring Performance and Reliability
- Performance Monitor
- Reliability Monitor

#### **Managing Files**

- Managing File Security
- Encrypting File System
- Sharing Folders





> Configure shadow copy services.

# **Managing Printers**

- > Installing Printers
- Sharing Printers
- > Configuring Printer Permissions
- > Configuring Printer Pooling and permissions
- Managing Internet Printing

