

MCSA: server infrastructure Syllabus

General Information

Description

The Microsoft Certified Solutions Expert (MCSE): Server Infrastructure course trains you to acquire the skills needed to run a highly efficient and modern data center, with expertise in identity management, systems management, virtualization, storage, and networking. It prepares you in the right way to take up Microsoft's MCSA certification. There are totally 3 papers that one has to write in order to get certified. Below given are the Three papers.

Step	Paper	Required Exam
1	Installing and Configuring Windows Server 2012	70-410
2	Administering Windows Server 2012	70-411
3	Configuring Advanced Windows Server 2012 Services After successfully completing steps 1-3, you'll earn a Microsoft Certified Solutions Associate (MCSA): Windows Server 2012 Certification.	70-412

Course Deliverables

Classroom training

Instructor led classroom training will be given. All classes are demonstration based. We don't teach just theory. We teach every concept using real-time case studies. All our classrooms are digital classrooms.

Lab

Students can practice all the concepts taught in classrooms at our Lab facility. Each student will be given Individual setup to practice the lab. They need not combine and do labs. Our lab coordinators will help you when you are doing the labs

Paper	Topic
70-410	Installing windows server 2012 Disk Management – MBR, GPT, VHD, Basic disk, Dynamic disk, storage pool, disk pool NTFS file system and its features – file permissions, quota, VSS, offline files Hyper-V – Creating and configuring virtual machines Hyper-V – Creating and configuring virtual machine storage Hyper-V – Creating and configuring virtual networks IPv4 and IPv6 DHCP – Deployment and configuration DNS – Forward and reverse lookup, primary/secondary/stub zone, forwarders Installing Active Directory domain controllers Active Directory user, group, OU management Create and manage Group Policy objects (GPOs) Configure security policies Configure application restriction policies Configure Windows Firewall

Paper**Topic****70-411**

Deploy and manage Windows Deployment Services (WDS)
Install and configure Windows Server Update Service (WSUS)
Configure DCS to monitor servers, VMs, networking, real time performance
Configure Distributed File system (DFS)
Configure File Server Resource Manager (FSRM)
Configure file and disk encryption
Configure routing
Configure NAT
Configure VPN
Configure Network Access Protection
FSMO roles
Active Directory backup and restoration
Active directory task delegation
Active Directory object and container level recovery
Advance Group Policy Object configuration and management

Paper**Topic****70-412**

Configure Network Load Balancing (NLB)
Manage Virtual Machine (VM) migration
Configure advanced file services
Implement Dynamic Access Control (DAC)
Configure and optimize storage
Configuring Windows server backup tool
Understanding Windows booting and troubleshooting booting issues
Configuring Hyper-V site level fault tolerance
Advanced DHCP
Advanced DNS
Active Directory Forest trust relationship
Active Directory sites and services
Active Directory Certificate services