

# Course Outline

## Other Information

### MCSE 2003 to MCITP: Enterprise Administrator 2008

<b>Days</b>	10
<b>Starting Time</b>	9:00
<b>Finish Time</b>	4:30

Lunch & refreshments are included with this course.



Learning Solutions

## MCSE 2003 to MCITP: Enterprise Administrator 2008

### Course Description

Over the course of 3 weeks, MCITP: Enterprise Administrator Fast Track will prepare you for all of the exams necessary to get certified. Your mentors will guide you through your studies so that you'll be fully prepared. Once you arrive, your expert instructors are there to help you through complex technical concepts and fine tune your skills so that you are fully prepared to pass the required exams and be certified in the fastest time possible while at the same time using the most effective teaching style so you maintain what you learnt to immediately use it a Windows 2008 network infrastructure environment.

In just two weeks of the Fast Track, you will conquer the core requirements for MCITP: Enterprise Administrator 2008 certification.

### Overview

Days	Course/Exam
<u>Days 1-2</u> Instructor Led Training	<ul style="list-style-type: none"> <li>Virtualization - Hyper V</li> <li>Clustering with 2008</li> <li>New features of Active Directory in 2008</li> </ul>
<u>Days 3-4</u> Exam Readiness	6416B: Updating Networking Infrastructure and Active Directory Technology Skills to Windows Server 2008 6417B: Updating Your Application Platform Technology Skills to Windows Server 2008
<u>Day 5</u> Sit Exam	70-649:- Upgrading MCSE 2003 to Windows Server 2008
<u>Days 5-6</u> Exam Readiness	5115A: Installing and Configuring Windows Vista Operating System
<u>Day 7</u> Sit Exam	70-620:- Configuring Microsoft Windows Vista Client
<u>Day 8</u> Instructor Led Training	<ul style="list-style-type: none"> <li>PowerShell Scripting</li> </ul>
<u>Days 8-10</u> Exam Readiness	6435: Designing a Windows Server 2008 Network Infrastructure
<u>Day 10-</u> Exam	70-647:- Windows Server 2008 Enterprise Administrator



NATIONALLY RECOGNISED  
TRAINING  
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1300 TO TRAIN

## Course Outline

Instructor Led Training	Topics Covered	Hours
Virtualization - Hyper V	<p>Install and Configure Hyper-V</p> <p>Configure Virtual Networks</p> <p>Add Virtual Machines</p> <p>Monitoring and Optimization</p> <p>After completing this module, students will be able to:</p> <p>List the new features of Hyper-V.</p> <p>Configure Hyper-V virtual machines.</p>	4
Clustering with 2008	<p>Planning Hardware Requirements for Windows Server 2008</p> <p>Planning for Network Load Balancing</p> <p>Planning for a High-Availability LOB Application</p> <p>Implementing Network Load Balancing</p> <p>After completing this module, students will be able to:</p> <p>Develop a plan for network load balancing (NLB).</p> <p>Describe the improved failover clustering support in Windows Server 2008.</p> <p>Plan for failover clustering in Windows Server 2008.</p>	5
AD new features	<p>Install AD FS</p> <p>Configure Certificates</p> <p>Configure Web Server</p> <p>Configure the Account Federation Server</p> <p>Configure the Resource Federation Server</p> <p>Access Application from Client Computer</p> <p>After completing this module, students will be able to:</p> <p>Install and configure Active Directory Federation Services.</p> <p>Install and configure Active Directory Lightweight Directory Services.</p> <p>Install and configure Active Directory Rights Management Services.</p>	5

## MCSE 2003 to MCITP: Enterprise Administrator 2008

Instructor Led Training	Topics Covered	Hours
Powershell Scripting	<p>Describe the architecture, platforms, and prerequisites of the Windows PowerShell environment</p> <p>Install Windows PowerShell using the Windows Server 2008 Server Manager</p> <p>Learning Cmdlets and Defining Aliases</p> <p>Holding the Output of a Cmdlet</p> <p>Evaluating Process Properties Using the Get-Member Cmdlet</p> <p>Calculating Process Memory Usage</p> <p>Using Associative Array Variables</p> <p>Sorting and Selecting Elements from a Resultant Set of Data</p> <p>Monitor and control services and processes running on Windows operating systems</p> <p>Present information with specific formatting through the use of formatting operators and cmdlets</p> <p>Design, write, and test sequences of operations and cmdlets using sequences, variables, and pipelines</p> <p>Establish security with adequate execution policy and script signing</p> <p>Use elements of style which are conducive to maintainable scripts and functions</p> <p>Customize profile files and describe the scope of profile files</p>	5

➤ **WEEK 1 - Windows 2008 Updating Network Infrastructure**

- Install and configure Windows Server 2008.
- Add and configure Windows Server Core roles.
- Explain the new backup infrastructure, including Volume Shadow Copy Service.
- Identify new and improved networking features with Windows Server 2008.
- Configure Hyper-V virtual machines.
- Identify considerations when upgrading from a Windows Server 2003 to a Windows Server 2008 Active Directory infrastructure.
- Install and configure Active Directory Federation Services, Active Directory Lightweight Directory Services, and Active Directory Rights Management Services.
- Use Read-Only Domain Controllers.
- Identify new features and implement AD DS auditing.
- Configure Windows Server 2008 Failover Clustering and Network Load Balancing. Terminal Services Install/Configuration
- Implementing Servers and Clients

**Exam 1: 70-649:-Upgrading MCSE 2003 to Windows Server 2008**

➤ **WEEK 2 - Configuring Microsoft Windows Vista Client Install Windows Vista.**

- Upgrade to Windows Vista Ultimate Edition.
- Configure post-installation system settings.
- Configure basic networking.
- Configure advanced networking.
- Configure user account security.
- Configure network security.
- Configure Microsoft Internet Explorer 7.0.

**Exam 2: 70-620:- Configuring Microsoft Windows Vista Client**

➤ **WEEK 2 - Windows Server 2008 Enterprise Administrator**

- Design a plan for allocating IP addresses to workstations and servers.
- Design a network topology.
- Describe the internal considerations for network security and how they can be addressed.
- Design an appropriate name resolution system that incorporates Domain Name System (DNS).
- Optimize a name resolution system that incorporates DNS and Windows Internet Name Service (WINS).
- Design a solution for network access.
- Design a Network Access Protection (NAP) solution.
- Design a solution for operating system deployment and maintenance.
- Design the deployment of file services.
- Design print services in Windows Server 2008.
- Design high availability for applications and services.
- Describe key components of network infrastructure design.
- Describe how to design a secure network.

**Exam 3: 70-647:- Windows Server 2008 Enterprise Administrator**