





## **Introduction**

The Microsoft Certified Technology Specialist (MCTS) on Windows Server 2008 credential is intended for information technology (IT) professionals who work in the complex computing environment of medium to large companies. The MCTS candidate should have at least one year of experience implementing and administering a network operating system in an environment that has the following characteristics:

- 250 to 5,000 or more users
- Three or more physical locations
- Three or more domain controllers
- Network services and resources such as messaging, a database, file and print, a proxy server, a firewall, the Internet, an intranet, remote access, and client computer management
- Connectivity requirements such as connecting branch offices and individual users in remote locations to the corporate network and connecting corporate networks to the Internet

## **Course 6418B: Deploying Windows Server 2008**

**Duration:** 24 hours

### **About this Course**

This 3-day instructor-led course provides students with an understanding of migrating and deploying Windows Server 2008 including installation, configuration, and upgrading. Special emphasis is given to upgrading common server configurations and using the Microsoft Deployment Toolkit.

### **Target Audience**

This course is intended for IT professionals who are experienced with Windows Server 2000 or Windows Server 2003, and who hold an MCSE or MCSA certification and/or equivalent knowledge.

### **Prerequisites**

Before attending this course, students must have one or more of the following:

- On-the-job experience in planning, implementing, managing, or supporting Microsoft Windows Server NT 4.0, 2000 or 2003, including Active Directory and Network Infrastructure.
- Working knowledge of networking, for example, TCP/IP and Domain Name System (DNS).

- Experience with a Microsoft Windows Server 2003 Active Directory and Network Infrastructure.
- Experience with implementing security for a Microsoft Windows Server 2003 Network.
- Experience installing , configuring, and administering Microsoft Windows 2003, Windows XP Professional, or Windows Vista.

### **Course Objectives**

After completing this course, participants will be able to:

- Install Windows Server 2008.
- Install Windows Server 2008 Server Core.
- Configure Windows Server Core.
- Add and configure Windows Server Core roles.
- Add the Backup feature to Windows Server Core.
- Manage Windows Server Core.
- Create an answer file for use with Dcpromo.
- Create an Unattend file to automate RODC installation.
- Deploy a Read-Only Domain Controller (RODC) using an answer file.
- Install and configure Windows Deployment Services (WDS).
- Create operating system images in WDS.
- Add components like language packs to an image.
- Use an Unattend file with WDS.
- Configure custom computer naming for large scale WDS deployments.
- Deploy images with WDS.
- Install Microsoft Deployment Toolkit (MDT).
- Configure MDT.
- Create an MDT build.
- Create MDT deployment points.
- Perform a Lite Touch installation using MDT.
- Prepare a Windows Server 2003 forest for upgrade to Windows Server 2008.



- Prepare a Windows Server 2003 domain for upgrade to Windows Server 2008.
- Install a domain controller in an existing domain using the Windows interface.
- Install a domain controller in an existing domain using the Command Line.
- Describe considerations for upgrading file and print servers.
- Describe considerations for upgrading Web and application servers.
- Describe considerations for upgrading remote infrastructure servers.
- Install and configure the file and print server roles.
- Create and replicate a Distributed File System (DFS) namespace.
- Schedule a backup.
- Migrate a printer.
- Export an application and configuration from an IIS 6.0 server.
- Configure IIS 7.0 on Windows Server 2008
- Import a configuration onto Windows Server 2008
- Enable Remote Desktop and remote administration of Windows Firewall.
- Install and configure BitLocker Drive Encryption (BDE) and BDE Remote Admin Tool.
- Configure admin role separation on an RODC.
- Configure Distributed File System Replication (DFS-R).
- Migrate a Windows NT 4.0 server to a virtual machine.

### **Course Outline**

- Module 1: Windows Server 2008 Installation and Configuration
- Module 2: Windows Server Core 2008 Configuration
- Module 3: Windows Server 2008 Unattended Installation
- Module 4: Using Windows Deployment Services
- Module 5: Microsoft Deployment Toolkit
- Module 6: Upgrading and Migrating Active Directory
- Module 7: Upgrading File and Print, Web, and Remote Infrastructure Servers.

- Module 8: Migrating Workloads to Microsoft Virtual Machines
- Module 9: Configuring Windows Server 2008 for Performance

## **Course 6427A: Configuring and Troubleshooting Internet Information Services in Windows Server 2008**

**Duration:** 24 hours

### **About this Course**

In this 3-day instructor-led course, the students will learn to install, configure, maintain, and troubleshoot an Internet Information Services (IIS) 7.0 Web Server in Windows Server 2008.

### **Target Audience**

The primary audience for this course is individuals who want to become a Web Server Administrator in an enterprise environment. Also, individuals who are assuming a new role requiring skills to manage content served by an IIS 7.0 Web Server over an intranet, extranet, and internet would be interested in this course.

The secondary audience for this course is individuals who are Web-based application developers who also possess networking skills.

### **Prerequisites**

Before attending this course, students must have:

- Course 6420 Foundational Series: Fundamentals of a Windows Server 2008 Network Infrastructure and Application Platform. Or;
- A minimum of 1 year of experience administering and supporting a Web Server role using Windows Server 2003.
- Network + certification.

### **Course Objectives**

After completing this course, students will be able to:

- Describe the IIS 7.0 modular architecture and workloads.
- Configure an IIS 7.0 Web Server.
- Secure Web sites and Web application pools.
- Troubleshoot Web servers, sites and applications.
- Use command line tools and scripting tools.
- Tune IIS to improve performance.
- Maintain Web sites.
- Enable integrated technologies to extend IIS 7.0 functionality.



## Course Outline

- Module 1: Configuring an IIS 7.0 Web Server
- Module 2: Configuring IIS 7.0 Web Sites and Application Pools
- Module 3: Configuring IIS 7.0 Application Settings
- Module 4: Configuring IIS 7.0 Modules
- Module 5: Securing the IIS 7.0 Web Server and Web Sites
- Module 6: Configuring Delegation and Remote Administration
- Module 7: Using Command-line and Scripting for IIS 7.0 Administration
- Module 8: Tuning IIS 7.0 for Improved Performance
- Module 9: Ensuring Web Site Availability with Web Farms
- Module 10: Troubleshooting IIS 7.0 Web Servers

## Course 6428A: Configuring and Troubleshooting Windows Server 2008 Terminal Services

**Duration:** 16 hours

### About this Course

This two-day instructor-led course provides students with the knowledge and skills to configure, manage, monitor, and troubleshoot a Terminal Services (TS) environment. The course focuses on configuring of TS core functionality, licensing, Gateway, and Web Access.

### Target Audience

This course is intended for an individual whose primary role is a Technology Specialist in an enterprise environment. Also, individuals who are assuming a new role requiring skills to manage connections served by a terminal server session over the intranet, extranet, and Internet would be interested in this course.

### Prerequisites

Before attending this course, students must have technical knowledge equivalent to the following course:

- Course 6420 Foundational Series: Fundamentals of a Windows Server 2008 Network Infrastructure and Application Platform

Or

- Windows Server 2003 Terminal Server experience in an enterprise environment
- Minimum of one year of experience administering and supporting TS
- Minimum of one year of experience administering and supporting Windows Server 2003 or Windows Server 2003 R2
- Minimum of one year of administering certificate services
- Network + certification

### **Course Objectives**

After completing this course, students will be able to:

- Install and configure the TS role.
- Configure TS settings.
- Identify the appropriate licensing scope and configure forest, domain, and workgroup licensing.
- Identify when to use the per-user and per-device licensing modes.
- Install the TS Licensing Role.
- Configure TS licensing for per-user and device licenses.
- Manage the licensing lifecycle.
- Configure TS connection properties using TS console and Group Policy.
- Troubleshoot TS connection properties for a single user and multiple users.
- Identify the considerations for the types of applications that can be installed in a TS environment.
- Install applications on TS.
- Configure TS Web Access to make TS RemoteApp programs available through a Web site.
- Configure TS Easy Print.
- Install and configure TS Web Access role service.
- Configure a TS session broker for a load-balanced TS farm.
- Configure TS Gateway properties
- Monitor active connections using TS Gateway console.



- Troubleshoot a TS Gateway connectivity issue.
- Manage TS connections to ensure availability of the TS.
- Resolve client connectivity issues by verifying end-user configuration using Remote Desktop Connection (RDC).
- Monitor TS connections to determine when to force client disconnect.
- Identify monitoring methods for TS services role.
- Configure resource allocation policies using WSRM based on the environment.
- Monitor WSRM performance using the WSRM Monitoring TS.

### **Course Outline**

- Module 1: Configuring Terminal Services Core Functionality
- Module 2: Configuring and Managing Terminal Services Licensing
- Module 3: Configuring and Troubleshooting Terminal Services Connections
- Module 4: Configuring Terminal Services Resources
- Module 5: Configuring Terminal Services Web Access
- Module 6: Configuring Session Broker
- Module 7: Configuring and Troubleshooting Terminal Services Gateway
- Module 8: Managing and Monitoring Terminal Services

## **Certification**

To earn MCTS in Microsoft Windows Server 2008 Applications Infrastructure, Candidates must pass Exam no. 70-643 (TS: Windows Server 2008 Applications Infrastructure, Configuring).

## **Venue**

EBI Headquarter – Nasr City

**Course Language:** English



## Instructor Bio

Mr. Ahmed Adel is currently a Senior Network Instructor Act as Network Team Leader at New Horizons Egypt. He has a technical experience in:

### Administration:

- Microsoft Networks Designing ,Implementing and Troubleshooting
- Active Directory 2008, 2003, 2000 and NT4.0
- ISA Server 2006 and 2004
- Exchange Server 2007 and 2003
- SQL Server 2000
- Cisco Routers and Switches.
- TCP/IP and TCP/IP Services.
- Security Auditing and Threat Analysis.
- Operating System Security and Firewalls.
- Inter-LAN and Inter-WAN Communication

### Operating Systems:

- Windows Server 2008, 2003 and 2000
- Windows Vista, XP, 2000 and NT4.0

Mr. Ahmed was rewarded the **(Instructor of the Year) award for 2008 from New Horizons - Egypt**

### Courses Delivered :

- Designing, planning, Implementing, Troubleshooting, Recovering **Microsoft Networks on 2008, 2003, 2000, NT 4.0** Environment
- **Exchange Server** Planning, Installation, Configuration, Troubleshooting and maintenances.

- **ISA Server** Planning, Installation, Configuration, Troubleshooting and maintenances.
- **CISCO ICND1** and **ICND2** Network Courses.
- He delivered courses for Vodafone – Egypt, Four Season Hotels and Resorts, Olympic Group, Sofitel Hotel, Shepherd Hotel, Etisalat and BCC (Best Cheese Company)

**To Register**  
**Nominations@ebi.gov.eg**

### **Venue**

EBI Headquarters- Nasr City  
22 A Dr. Anwar El Mofty St., Tiba 2000 Building,  
Nasr City, Cairo.

**Email:**

**ittraining@ebi.gov.eg**

### **Headquarters**

Nasr City  
22 A Dr. Anwar El Mofty St., Tiba 2000 Bldg, 4<sup>th</sup> and 5<sup>th</sup> floor  
Tel.: (+202) 24054472  
Fax: (202) 24054471 P.O. Box: 8164 Nasr City

### **Auxiliaries**

#### **Mohandeseen**

56 Gameat Al Doual Al Arabia St.,  
10th and 11th floor  
Tel.: (202) 33363594 / 97  
33386436 / 51  
Fax: (202) 33363592

#### **Alexandria**

3 Mahmoud Azmy St.,  
Formerly Tosson St.,  
Central Bank of Egypt Bldg  
Tel.: (203) 4878745  
Fax: (203) 4878745

#### **Port Said**

23 Gomhoria St.,  
Central Bank of Egypt Bldg  
Tel. / Fax: (2066) 3329553