

**نام دوره :** مهندسی شبکه های میکروسافت

MCITP: Enterprise Administrator on Windows Server 2008

MCITP: Server Administrator on Windows Server 2008

مشخصات دوره	تعداد ساعت : ۲۰۰	پیش نیاز : گذراندن دوره + Network یا آشنایی اولیه با مباحث شبکه	تعداد ترم : ۶
<b>مخاطبین دوره</b>	کلیه علاقه مندان به مباحث شبکه - مدیران و متخصصین شبکه		
<b>شرح دوره</b>	<p>امروزه طراحی، راه اندازی، عیب یابی و نگهداری انواع شبکه به مسئله ای پر اهمیت تبدیل شده است و بروز مشکل در هر یک از این سیستمها خسارات جبران ناپذیر را برای مجموعه به وجود خواهد آورد. در این راستا نیازمند افرادی با تخصص شبکه می باشیم لذا ما برای رفع این مشکل مدرک متخصص مهندسی شبکه های میکروسافت یا MCITP از سری Professional را برای افراد علاقه مند به طراحی و راه اندازی ساختار شبکه مبتنی بر سیستم عاملهای میکروسافت و نرم افزار Server میکروسافت را به شما معرفی می کنیم .</p>		
<b>آنچه در این دوره می آموزیم:</b>	<ul style="list-style-type: none"> <li>• نصب و پیکر بندی Windows 7</li> <li>• مدیریت سیستم عامل کلاینت در ساختار Domain</li> <li>• نصب و پیکربندی Widows Server 2008</li> <li>• نصب و پیکر بندی Active Directory</li> <li>• آشنایی با ساختار Group Policy</li> <li>• آشنایی با Certificate Server</li> <li>• پیاده سازی Right Management Services</li> <li>• پیاده سازی سرویس DNS و NAT</li> <li>• پیاده سازی سرویس Routing و Restore Access</li> <li>• پیاده سازی سرویس Load Balancing و Clustering</li> <li>• پیاده سازی سرویس IIS و WDS</li> <li>• پیاده سازی سرویس Win Media Services</li> </ul>		
<b>ترم های دوره</b>	<p>70-680: TS: Windows 7, Configuring                      70-640: TS: Windows Server 2008 Active Directory, Configuring                      70-642: TS: Windows Server 2008 Network Infrastructure, Configuring                      70-643: TS: Windows Server 2008 Applications Infrastructure, Configuring                      70-646: Pro: Windows Server 2008, Server Administrator                      70-647: Pro: Windows Server 2008, Enterprise Administrator</p>		

[70-680: TS: Windows 7, Configuring](#)

Installing, Upgrading, and Migrating to Windows 7 (14 percent)

- Perform a clean installation.
- Upgrade to Windows 7 from previous versions of Windows.
- Migrate user profiles.

Deploying Windows 7 (13 percent)

- Capture a system image.
- Prepare a system image for deployment.
- Deploy a system image.
- Configure a VHD.

Configuring Hardware and Applications (14 percent)

- Configure devices.
- Configure application compatibility.
- Configure application restrictions.
- Configure Internet Explorer.

Configuring Network Connectivity (14 percent)

- Configure IPv4 network settings.
- Configure IPv6 network settings.
- Configure networking settings.
- Configure Windows Firewall.
- Configure remote management.

Configuring Access to Resources (13 percent)

- Configure shared resources.
- Configure file and folder access.
- Configure user account control (UAC).
- Configure authentication and authorization.
- Configure BranchCache.

Configuring Mobile Computing (10 percent)

- Configure BitLocker and BitLocker To Go.
- Configure DirectAccess.
- Configure mobility options.
- Configure remote connections.

Monitoring and Maintaining Systems that Run Windows 7 (11 percent)

- Configure updates to Windows 7.
- Manage disks.
- Monitor systems.
- Configure performance settings.

Configuring Backup and Recovery Options (11 percent)

- Configure backup.
- Configure system recovery options.
- Configure file recovery options.

[70-640: TS: Windows Server 2008 Active Directory, Configuring](#)

Configuring Domain Name System (DNS) for Active Directory (18%)

- Configure zones.
- Configure DNS server settings.
- Configure zone transfers and replication.

Configuring the Active Directory infrastructure (17 percent)

- Configure a forest or a domain.
- Configure trusts.
- Configure sites.
- Configure Active Directory replication.
- Configure the global catalog.
- Configure operations masters.

Configuring Active Directory Roles and Services (14 percent)

- Configure Active Directory Lightweight Directory Service (AD LDS).
- Configure Active Directory Rights Management Service (AD RMS).
- Configure the read-only domain controller (RODC).
- Configure Active Directory Federation Services (AD FSv2).

Creating and maintaining Active Directory objects (18 percent)

- Maintain Active Directory accounts.
- Create and apply Group Policy objects (GPOs).
- Configure GPO templates.
- Deploy and manage software by using GPOs.
- Configure account policies.
- Configure audit policy by using GPOs.

Maintaining the Active Directory environment (18 percent)

- Configure backup and recovery.
- Perform offline maintenance.
- Monitor Active Directory.

Configuring Active Directory Certificate Services (15 percent)

- Install Active Directory Certificate Services.
- Configure CA server settings.
- Manage certificate templates.
- Manage enrollments.
- Manage certificate revocations.

[70-642: TS: Windows Server 2008 Network Infrastructure, Configuring](#)

Configuring Addressing and Services (21 percent)

- Configure IPv4 and IPv6 addressing.
- Configure Dynamic Host Configuration Protocol (DHCP).
- Configure routing.
- Configure Windows Firewall with Advanced Security.

#### Configuring Names Resolution (22 percent)

- Configure a Domain Name System (DNS) server.
- Configure DNS zones.
- Configure DNS records.
- Configure DNS replication.
- Configure name resolution for client computers.

#### Configuring Network Access (18 percent)

- Configure remote access.
- Configure Network Access Protection (NAP).
- Configure DirectAccess.
- Configure Network Policy Server (NPS).

#### Configuring File and Print Services (20 percent)

- Configure a file server.
- Configure Distributed File System (DFS).
- Configure backup and restore.
- Manage file server resources.
- Configure and monitor print services.

#### Monitoring and Managing a Network Infrastructure (20 percent)

- Configure Windows Server Update Services (WSUS) server settings.
- Configure performance monitoring.
- Configure event logs.
- Gather network data.

[70-643: TS: Windows Server 2008 Applications Infrastructure, Configuring](#)

#### Deploying Servers (28 percent)

- Deploy images by using Windows Deployment Services.
- Configure Microsoft Windows activation.
- Configure Windows Server Hyper-V and virtual machines.
- Configure high availability.
- Configure storage.

#### Configuring Remote Desktop Services (26 percent)

- Configure RemoteApp and Remote Desktop Web Access.
- Configure Remote Desktop Gateway (RD Gateway).
- Configure Remote Desktop Connection Broker.
- Configure and monitor Remote Desktop resources.
- Configure Remote Desktop licensing.
- Configure Remote Desktop Session Host.

Configuring a Web Services Infrastructure (25 percent)

- Configure Web applications.
- Manage Web sites.
- Configure a File Transfer Protocol (FTP) server.
- Configure Simple Mail Transfer Protocol (SMTP).
- Manage the Web Server (IIS) role.
- Configure SSL security.
- Configure Web site authentication and permissions.

Configuring Network Application Services (21 percent)

- Manage the Streaming Media Services role.
- Secure streaming media.
- Configure SharePoint Foundation options.
- Configure SharePoint Foundation integration.
- [70-646: Pro: Windows Server 2008, Server Administrator](#)
- Planning for Server Deployment (19 percent)
- Planning for Server Management (23 percent)
- Monitoring and Maintaining Servers (20 percent)
- Planning Application and Data Provisioning (19 percent)
- Planning for Business Continuity and High Availability (19 percent)
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- [70-647: Pro: Windows Server 2008, Enterprise Administrator](#)
- Planning network and application services (23 percent)
- Designing core identity and access management components (25 percent)
- Designing support identity and access management components (29 percent)
- Designing for business continuity and data availability (23 percent)