



1750 N. Florida Mango Rd  
Suite 302  
West Palm Beach, Fl. 33409  
561.840.8080  
training@compotec.com  
[www.compotec.com](http://www.compotec.com)



Learning Solutions



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### Credit toward certification

When you pass Exam 70-643: TS: Windows Server 2008 Applications Infrastructure, Configuring, you complete the requirements for the following certification:

- Microsoft Certified Technology Specialist (MCTS): Windows Server 2008 Applications Infrastructure, Configuration

Exam 70-643 counts as credit toward the following certification:

- Microsoft Certified IT Professional (MCITP): Enterprise Administrator

### Course Outline

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#### Deploying Servers

- Deploy images by using Windows Deployment Services.
- May include but is not limited to: Install from media (IFM), configure Windows Deployment Services, capture Windows Deployment Services images, deploy Windows Deployment Services images, server core
- Configure Microsoft Windows activation.
- May include but is not limited to: install a KMS server, create a DNS SRV record, replicate volume license data
- Configure Windows Server Hyper-V and virtual machines.
- May include but is not limited to: virtual networking, virtualization hardware requirements, Virtual Hard Disks, migrate from physical to virtual, VM additions, backup, optimization, server core
- Configure high availability.
- May include but is not limited to: failover clustering, Network Load Balancing, hardware redundancy
- Configure storage.
- May include but is not limited to: RAID types, Virtual Disk Specification (VDS) API, Network Attached Storage, iSCSI and Fibre Channel storage area networks, mount points

#### Configuring Terminal Services

- Configure Windows Server 2008 Terminal Services RemoteApp (TS RemoteApp).
- May include but is not limited to: Configuring Terminal Services Web Access, configuring Terminal Services Remote Desktop Web Connection
- Configure Terminal Services Gateway.
- May include but is not limited to: certificate configuration, Terminal Services Gateway Manager (TS Gateway Manager), specifying resources that users can access through TS Gateway by using Terminal Services resource authorization policy (TS RAP) and Terminal Services connection authorization policy (TS CAP), Terminal Services group policy
- Configure Terminal Services load balancing.
- May include but is not limited to: Terminal Services Session Broker redirection modes, DNS registration, setting through group policy
- Configure and monitor Terminal Services resources.
- May include but is not limited to: allocate resources by using Windows Server Resource Manager, configure application logging
- Configure Terminal Services licensing.
- May include but is not limited to: deploy licensing server, connectivity between terminal servers and Terminal Services licensing server, recovering Terminal Services licensing server, managing Terminal Services client access licenses (TS CALs)
- Configure Terminal Services client connections.

- May include but is not limited to: connecting local devices and resources to a session, Terminal Services profiles, Terminal Services home folders, Remote Desktop Connection (RDC), single sign-on, Remote Desktop Snap-In, MSTSC.exe
- Configure Terminal Services server options.
- May include but is not limited to: logoff, disconnect, reset, remote control, monitor, Remote Desktop Protocol (RDP) permissions, connection limits, session time limits, managing by using GPOs, viewing processes, session permissions, display data prioritization

#### **Configuring a Web Services Infrastructure**

- Configure Web applications.
- May include but is not limited to: directory-dependent, publishing, URL-specified configuration, Microsoft .NET components, for example, .NET and .aspx, configure application pools
- Manage Web sites.
- May include but is not limited to: migrate sites and Web applications, publish IIS Web sites, configure virtual directories
- Configure a File Transfer Protocol (FTP) server.
- May include but is not limited to: configure for extranet users, configure permissions
- Configure Simple Mail Transfer Protocol (SMTP).
- May include but is not limited to: setting up smart hosts, configuring size limitations, setting up security and authentication to the delivering server, creating proper service accounts, authentication, SMTP relay
- Manage Internet Information Services (IIS).
- May include but is not limited to: Web site content backup and restore, IIS configuration backup, monitor IIS, configure logging, delegation of administrative rights
- Configure SSL security.
- May include but is not limited to: configure certificates, requesting SSL certificate, renewing SSL certificate, exporting and importing certificates
- Configure Web site authentication and permissions.
- May include but is not limited to: configure site permissions and authentication, configure application permissions, client certificate mappings

#### **Configuring Network Application Services**

- Configure Windows Media server.
- May include but is not limited to: on-demand replication, configure time-sensitive content, caching and proxy
- Configure Digital Rights Management (DRM).
- May include but is not limited to: encryption, sharing business rules, configuring license delivery, configuring policy templates
- Configure Microsoft Windows SharePoint Services server options.
- May include but is not limited to: site permissions, backup, antivirus, configuring Windows SharePoint Services service accounts
- Configure Windows SharePoint Services e-mail integration.
- May include but is not limited to: configuring a document library to receive e-mail, configuring incoming versus outgoing e-mail