

# Configuring and Troubleshooting Windows Server 2008 Terminal Services

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Course number: GWE-6428  
2 days

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## Prerequisites

Before attending this course, students must have:

- Course 6420 Fundamentals of Windows Server 2008 Network Infrastructure and Application Platform.
- Course 6421 Configuring and Troubleshooting a Windows Server 2008 Network Infrastructure.

In addition, it is recommended, but not required, that students have completed:

- 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 experience in administering certificate services.
- Network + certification.

## Course Objectives

After completing this course, students will be able to:

- Configure the TS role.

- Manage TS licensing.
- Administer TS connection properties using the Terminal Services Configuration snap in and Group Policy.
- Configure TS Easy Print and TS RemoteApp programs.
- Configure the TS Web Access role service.
- Configure a TS session broker for a load-balanced TS farm.
- Configure and troubleshoot TS Gateway.
- Maintain TS connections post installation and configure WSRM for TS.

## Course Summary and Lessons

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, TS licensing, TS Gateway, and TS Web Access.

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.

### Module 1: Configuring Terminal Services Core Functionality

This module explains how to install TS and configure the core functionality.

#### Lessons

- Configuring the TS Server Role Service
- Configuring the TS Settings

#### Lab: Configuring TS Core Functionality

- Installing and Configuring the TS Server Role Service
- Configuring the TS Settings

After completing this module, students will be able to:

- Install and configure the TS role.
- Configure TS settings.

## Module 2: Configuring and Managing Terminal Services Licensing

This module explains how to configure and manage TS Licensing.

### **Lessons**

- Configuring TS Licensing
- Managing TS Licenses

### **Lab: Configuring and Managing TS Licensing**

- Demo: Configuring and Managing TS Licensing

After completing this module, students will be able to:

- Identify the appropriate licensing scope.
- Configure the license server scope: 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 licenses.
- Identify considerations when configuring TS licensing for per-device licenses.
- Manage the licensing lifecycle.

## Module 3: Configuring and Troubleshooting Terminal Services Connections

This module explains how to configure and troubleshoot connection properties by using TS.

### **Lessons**

- Configuring the TS Connection Properties
- Configuring the TS Properties by Using Group Policy
- Troubleshooting TS Connections

### **Lab: Configuring and Troubleshooting TS Connections**

- Installing the TS Connection Properties
- Configuring the TS Connection Properties by Using Server Group Policy

- Configuring SSO by Using Client Group Policy
- Troubleshooting Connectivity Issues

After completing this module, students will be able to:

- Configure TS connection properties by using the TS console.
- Configure TS properties by using Group Policy.
- Troubleshoot TS connection properties for a single user.
- Troubleshoot TS connection properties for multiple users.

#### Module 4: Configuring Terminal Services RemoteApp and Easy Print

This module explains how to configure TS Easy Print and TS RemoteApp.

##### **Lessons**

- Installing Applications
- Configuring Remote Applications
- Configuring Printers

##### **Lab: Configuring TS Resources**

- Configuring and Deploying TS RemoteApp Programs
- Configuring TS Easy Print

After completing this module, students will be able to:

- Identify the considerations for the types of applications that can be installed in a TS environment.
- Install applications in a TS environment.
- Configure TS Web Access to make TS RemoteApp programs available through a Web site.
- Configure TS Easy Print.

## Module 5: Configuring Terminal Services Web Access and Session Broker

This module explains how to configure TS Web Access.

### Lessons

- Installing TS Web Access
- Configuring TS Session Broker

### Lab: Configuring TS Web Access

- Configuring TS RemoteApp Programs for TS Web Access
- Customizing TS Web Access by using WSS
- Configuring TS Session Broker

After completing this module, students will be able to:

- Install the TS Web Access role service.
- Configure TS Web Access.
- Configure TS RemoteApp programs for TS Web Access.
- Configure TS Session Broker for a load-balanced TS farm.

## Module 6: Configuring and Troubleshooting Terminal Services Gateway

This module explains how to configure and troubleshoot TS Gateway connections.

### Lessons

- Configuring TS Gateway
- Monitoring and Troubleshooting the TS Gateway Connections

### Lab: Configuring a Session Broker

- Configuring and Monitoring TS Gateway
- Troubleshooting the TS Gateway Connections

After completing this module, students will be able to:

- Define when to use TS Gateway.
- Configure TS Gateway properties.
- Monitor active connections using the TS Gateway console.
- Troubleshoot a TS Gateway connectivity issue.

## Module 7: Managing and Monitoring Terminal Services

This module explains how to manage and monitor TS connections post installation and configuration. The students will also be introduced to configuring WSRM for TS.

### Lessons

- Methods for Managing and Monitoring TS
- Configuring Windows System Resource Manager for TS

### Lab: Managing and Monitoring TS

- Managing the TS Connections
- Monitoring the TS Connections
- Configuring WSRM for TS

After completing this module, students will be able to:

- Manage TS connections to ensure availability of the TS.
- Resolve client connectivity issues by verifying end-user configuration using RDC.
- Monitor TS connections to determine when to force client disconnect.
- Identify monitoring methods for TS role specific instances.
- Configure resource allocation policies using WSRM based on the environment.
- Monitor WSRM performance using the WSRM Monitoring TS tool.

