



# 6428A - Windows Server 2008

## Configuring and Troubleshooting Windows Server 2008 Terminal Services

### Introduction

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.

### 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.

### At Course Completion

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.

### Prerequisites

- 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.



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## Course Outline

### 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.



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- 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



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## 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.



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## 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.



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- 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.

## Course Duration

- 2 Days
- include equipment, training material, lunch and refreshments



Learning Solutions