



## **MOC 6428A**

### **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:**

- 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.
- Minimum of one year of experience administering and supporting TS.
- Maintain TS connections post installation and configure WSRM for TS.

#### **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:

- Configure the TS role.
- Manage TS licensing.
- Windows Server 2003 Terminal Server experience in an enterprise environment.

## 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

- Managing TS Licenses
- Configuring TS Licensing

#### 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