

6428 – Configuring and Troubleshooting Windows Server 2008 Terminal Services

Vendor Course Code: MS6428

Course Length: 2 days

Overview: 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, licensing, Gateway, and Web Access.

This is the second course in the Windows Application Platform Services Technology Specialists Who Use Windows Server 2008 curriculum and will introduce the students to the Windows 2008 Terminal Services.

Skills Gained:

After completing this course, students will be able to:

- Install and configure the TS role.
- Configure TS settings.
- Identify the appropriate licensing scope and configure 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 and device licenses.
- Manage the licensing lifecycle.
- Configure TS connection properties using TS console and Group Policy.
- Troubleshoot TS connection properties for a single user and multiple users.
- Identify the considerations for the types of applications that can be installed in a TS environment.
- Install applications on TS.
- Configure TS Web Access to make TS RemoteApp programs available through a Web site.
- Configure TS Easy Print.
- Install and configure TS Web Access role service.
- Configure a TS session broker for a load-balanced TS farm.
- Configure TS Gateway properties
- Monitor active connections using TS Gateway console.
- Troubleshoot a TS Gateway connectivity issue.
- Manage TS connections to ensure availability of the TS.
- Resolve client connectivity issues by verifying end-user configuration using Remote Desktop Connection (RDC).
- Monitor TS connections to determine when to force client disconnect.
- Identify monitoring methods for TS services role.
- Configure resource allocation policies using WSRM based on the environment.
- Monitor WSRM performance using the WSRM Monitoring TS tool.

Key Topics:

Module 1: Configuring Terminal Services Core Functionality

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

Lessons

Configuring TS Role

Configuring TS Settings

Lab: Configuring TS Core Functionality

Installing and Configuring TS Role

Configuring 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
Installing the TS Licensing Role
Configuring TS Licensing
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 using TS.

Lessons

Configuring TS Connection Properties
Configuring TS Properties Using Group Policy
Troubleshooting TS

Lab: Configuring and Troubleshooting TS Connections
Installing the TS Connection Properties
Troubleshooting Connectivity Issues

After completing this module, students will be able to:

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

Module 4: Configuring Terminal Services Resources

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

This module explains how to configure TS Web Access.

Lessons

Installing the TS Web Access Role Service

Lab: Configuring TS Web Access

Configuring TS Web Access

Configuring TS RemoteApp Programs for TS Web Access

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.

Module 6: Configuring Session Broker

This module explains how to configure TS Session Broker.

Lessons

Configuring a TS Session Broker for a Load-Balanced Farm

Lab: Configuring a Session Broker

Configuring a Session Broker to Manage Traffic to Servers

After completing this module, students will be able to:

- Configure a TS session broker for a load-balanced TS farm.

Module 7: Configuring and Troubleshooting Terminal Services Gateway

This module explains how to configure and troubleshoot TS Gateway.

Lessons

Configuring TS Gateway

Troubleshooting TS Gateway Connectivity Issues

Lab: Configuring and Troubleshooting TS Gateway

Configuring and Monitoring TS Gateway

Troubleshooting TS Gateway Connectivity

After completing this module, students will be able to:

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

Module 8: 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

Managing Current TS Connections

Monitoring TS Connections

Configuring WSRM for TS

Lab: Managing and Monitoring TS

Managing TS Connections

Monitoring 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.

Target 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.

Prerequisites:

Before attending this course, students must have technical knowledge equivalent to the following course:

- Course 6420 Foundational Series: Fundamentals of a Windows Server 2008 Network Infrastructure and Application Platform
- Or
- 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 administering certificate services
- Network + certification