MOC6428 Configuring and Troubleshooting Windows Server 2008 Terminal Services

Course Summary

Description

This 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.

Objectives
At the end of 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.

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Course Summary (cont'd)

Topics

- Configuring Terminal Services Core Functionality
- Configuring and Managing Terminal Services Licensing
- Configuring and Troubleshooting Terminal Services Connections
- Configuring Terminal Services Resources
- Configuring Terminal Services Web Access
- Configuring Session Broker
- Configuring and Troubleshooting Terminal Services Gateway
- Managing and Monitoring Terminal Services

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

Duration

Two days

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Course Outline

I. Configuring Terminal Services Core Functionality

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

A. Configuring TS Role
B. Configuring TS Settings

Lab: Configuring TS Core Functionali

- 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.

II. Configuring and Managing Terminal Services Licensing

This module explains how to configure and manage TS Licensing.

A. Configuring TS Licensing
B. 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.

III. Configuring and Troubleshooting Terminal Services Connections

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

A. Configuring TS Connection Properties
B. Configuring TS Properties Using Group Policy
C. 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.

Configuring Terminal Services Resources

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

A. Installing Applications
B. Configuring Remote Applications
C. 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.

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Course Outline (cont'd)

- Configure TS Web Access to make TS RemoteApp programs available through a Web site.
- Configure TS Easy Print.

IV. Configuring Terminal Services Web Access
This module explains how to configure TS Web Access.

A. 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.

V. Configuring Session Broker
This module explains how to configure TS Session Broker.

A. 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.

VI. Configuring and Troubleshooting Terminal Services Gateway
This module explains how to configure and troubleshoot TS Gateway.

A. Configuring TS Gateway
B. 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.

VII. 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.

A. Managing Current TS Connections
B. Monitoring TS Connections
C. 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.

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