Configuring and Troubleshooting Windows Server 2008 Terminal Services

Duration: 2 Days       Course Code: M6428

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

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.

Objectives:

- After completing this course, students will be able to:
  - Configure the TS Web Access role service.
  - Configure the TS role.
  - Configure a TS session broker for a load-balanced TS farm.
  - Manage TS licensing.
  - Configure and troubleshoot TS Gateway.
  - Administer TS connection properties using the Terminal Services Configuration snap in and Group Policy.
  - Maintain TS connections post installation and configure WSRM for TS.
  - Configure TS Easy Print and TS RemoteApp programs.

Prerequisites:

Before attending this course, students must have:

- Course 6421 Configuring and Troubleshooting a Windows Server 2008 Network Infrastructure.
  - Minimum of one year of experience administering and supporting TS.
  - Minimum of one year of experience in administering certificate services.
  - Network + certification.
Content:

- **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:**
  - Install the TS Web Access role service.
  - Configure 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:**
  
  - Configure TS Web Access.
  - 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...
<table>
<thead>
<tr>
<th>Lab: Configuring TS Web Access:</th>
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<tbody>
<tr>
<td>• Configuring TS RemoteApp Programs for TS Web Access</td>
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<td>• Customizing TS Web Access by using WSS</td>
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<td>• Configuring TS Session Broker</td>
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<th>To force client disconnect.</th>
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<td>• Identify monitoring methods for TS role specific instances.</td>
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<td>• Configure resource allocation policies using WSRM based on the environment.</td>
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<td>• Monitor WSRM performance using the WSRM Monitoring TS tool.</td>
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Further Information:
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