Remote Desktop Services for Windows Server® 2008: Hands-On - 3 Days

Course 967 Overview

You Will Learn How To

- Implement and administer Remote Desktop Services in your Windows Server 2008 enterprise
- Install and manage Remote Desktop Session Hosts and clients
- Enhance a Remote Desktop Services environment with RD Gateway, RD RemoteApp, and RD Web Access
- Troubleshoot and optimise Remote Desktop Session Hosts and clients
- Manage Remote Desktop Services network infrastructure requirements
- Secure Remote Desktop Services to ensure privacy and legitimate access

Course Benefits

The growth of distributed workforces places increasing pressures on organisations' IT resources. Windows Server 2008 Remote Desktop Services (RDS) provides a centralised system for accessing applications easily and securely from any network-connected location. In this course, you learn to install, administer and troubleshoot RDS, maximise remote access technologies, and manage security.

Who Should Attend

Those responsible for setting up and managing a Windows Server 2008 Remote Desktop Services environment. Knowledge of Windows at the level of Course 960, "Windows Server 2008 Comprehensive Introduction", or Course 595, "Windows Server 2003 Comprehensive Introduction", is assumed.

Hands-On Training

Practical exercises provide hands-on experience in configuring and implementing Windows Server 2008 Remote Desktop Services. Exercises include:

- Installing Remote Desktop Services
- Configuring RD Session Host and client settings
- Setting up a Remote Desktop Gateway
- Deploying applications with RDS RemoteApp
- Providing external connectivity with RDS Web Access
- Administering RD Sessions Hosts with Group Policies
- Clustering RD Session Hosts with NLB
- Securing Remote Desktop Services sessions

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Course 967 Outline

Introduction to Windows Server 2008 Remote Desktop Services (RDS)

- Establishing the rationale for thin client technology
- Justifying the business case for Remote Desktop Services
- Exploring third-party interoperability

Installing Remote Desktop Services

Adding the RDS Server Role

- Configuring a RD Session Host and RD Licensing
- Modifying Active Directory account settings for RDS users
- Accessing RDS with the Remote Desktop client

Managing a Remote Desktop Session Host

- Navigating the Remote Desktop Services Manager
- Adding new RD Session Hosts to the console

Controlling RDS settings with Group Policies

- Adding Group Policy Objects to the Active Directory
- Assigning settings to RD Session Hosts and clients

Optimising Remote Access

Increasing scalability with RD Gateway

- Enabling secure RDS client access via the Internet
- Monitoring active RDS client connections
- Forcing disconnection of unwanted user sessions

Delivering applications with RemoteApp

- Providing remote access to Windows-based applications
- Creating .RDP files and .MSI packages for distribution
- Automating RemoteApp distribution with Group Policies

Configuring RD Web Access

- Installing RD Web Access on an IIS Web server
- Connecting to RD Session Hosts with a Web browser

Providing user assistance with Remote Control

- Establishing Remote Control security policies
- Shadowing Remote Desktop client sessions

Troubleshooting Common RDS Issues

Achieving maximum performance

- Preventing RD Session Host monopolization
- Throttling resource-intensive tasks
- Curtailing multimedia access

Eliminating file system clutter

- Preventing installation of unapproved software
- Purging profiles and temporary folders

Assuring reliable user data access and resource availability

- Providing optimal USB PnP support
- Ensuring consistent resource redirection
- Resolving print driver issues with Easy Print

Configuring applications for multiuser environments

- Ensuring end user licensing agreement (EULA) compliance
- Controlling application execution

Evaluating RD Session Host performance

- Benchmarking to determine performance limitations
- Monitoring thin client traffic with a protocol analyzer

Managing a RDS Network Infrastructure

Defining network requirements

- Managing TCP port requirements for RDS
- Opening workstation ports for Remote Desktop access

Building RD Session Host farms

- Clustering RD Session Hosts with Network Load Balancing (NLB)
- Preventing abandoned connections with RD Connection Broker

Securing RD Session Hosts and Clients

Implementing security enhancements

- Adjusting firewalls for Remote Desktop Services
- Configuring RDS authentication and encryption

Strengthening RD Gateway security

- Denying access to non-compliant clients
- Improving RDS security with SSL and VPNs

Selecting authentication requirements

- Authorising internal RD Session Host access
- Providing secure logons to external clients
- Choosing appropriate RD Gateway authentication
- Accommodating Remote Desktop access for distributed workforces

Customising ports for network redirection

- Incorporating port redirection into a RDS security plan
- Limiting RDS client configurations and activities

Supporting Remote Desktop Services Clients on Portable Devices

- Accessing RDS from smartphones and PDAs
- Determining the best clients for your devices
- Configuring appropriate connectivity options