

Windows Server 2008, Applications Infrastructure Configuration



Expert Tom Carpenter

Windows Server 2008, Applications Infrastructure Configuration Training

4 Sessions –
12 Hours of Interactive
Training

LearnKey's Windows Server 2008 Applications Infrastructure Configuration course is designed to meet the needs and skills of individuals who work with or plan to work with: Windows Deployment Services, Terminal Services, Web Services, and Media Services. Tom Carpenter covers all of the objectives you will need in order to effectively take and pass exam 70-643. This will take you one step further to achieving your MCITP certification from Microsoft.

Benefits

- Learn how to work with Windows Server 2008 deployment, terminal, web, and media services
- This course meets all objectives to pass Microsoft exam 70-643, a critical component in gaining your MCITP Certification
- Learn skills to become a Network Administrator or an enterprise Security Administrator

About The Author

Tom Carpenter has delivered training programs to more than 29,000 IT professionals since 1997. He has developed and delivered courses on Windows operating systems and services as well as wireless networking and security. With experience as a systems administrator and security officer in an organization of more than 25,000 client systems, Carpenter brings a wealth of real world experience and knowledge to his courses. Tom is a CWNA, CWSP, Wireless# and MCP and is one of the founding managers of the Certified Technology Services Professional certification. He teaches technical and self-development topics to IT professionals throughout the US.

Session 1

Section A: Introduction
· Prerequisites
· MCTS and MCITP
· Exam 70-643
· Understanding Application Infrastructure

Section B: Deploying Images
· Installing from Media
· IFM Facts
· Lab Overview
· Creating IFM Media
· Windows Deployment Services
· WDS Knowledge Demands
· Capturing Images
· Deploying Images
· Understanding Server Core
· Server Core Roles

Section C: Configuring Deployment
· Reviewing Lab Configuration
· Adding WDS Role
· Configuring WDS
· Adding Boot Image
· Adding Install Image

Section D: Windows Activation
· Activation Key Types
· Using MAKs
· Key Management Services
· KMS Commands
· KMS Facts
· License States
· Creating DNS SRV Record

Section E: Hyper-V
· Virtualization
· Architectures
· Virtualization Benefits
· Scenarios for Virtualization
· Virtual PC
· Understanding Hyper-V
· Requirements
· Features
· Virtualization Planning

Section F: Working with Hyper-V
· VM Status
· Global Settings
· VM Settings
· Creating a VM
· Changing VM Settings
· Copying a VM

Session 2

Section A: High Availability
· Availability Defined
· Availability Facts
· Scalability
· Load Balancing
· Hardware Redundancy
· Data Redundancy
· RAID

Section B: Configuring Availability
· Configuration
· Network Load Balancing
· NLB Modes
· Synchronization
· NLB Cluster Parameters
· NLB Port Rules
· Installing NLB
· Configuring NLB

Section C: Configuring Storage
· Understanding RAID
· Network Attached Storage
· Storage Area Network
· Virtual Disk API
· Logical Unit Number
· iSCSI Connections
· Mount Points
· Storage Explorer
· Enabling Drives
· Creating Arrays

Section D: Terminal Services
· Terminal Services Defined
· TS Applications
· TS Features
· Client Support
· Reviewing the Lab
· Installing TS
· Connecting to TS
· Enabling Remote Desktop

Section E: Remote Desktop
· RD Features
· RD New Features
· Configuring Connections
· MSTSC
· Remote Desktop Snap-in
· Single Sign-On
· Enabling SSO
· Terminal Services Profiles

Section F: TS Licensing and Configuration
· Licensing Server
· Understanding TS and Licensing
· License Backup and Recovery
· Client Access Licenses
· Remote Desktop Protocol
· Configuring TS Permissions

Section G: Monitoring TS
· Adding WSRM
· Configuring WSRM
· Resource Management Tools
· Process Utilities

Session 3

Section A: Terminal Services Gateways
· TS Gateway
· TS Gateway Remote Access
· Three Requirements
· Installing TS Gateway
· Connection Authorization Policy

Section B: Application Availability
· Installing Programs
· Installing Web Access
· Publishing an Application
· Launching Remote Apps

Section C: TS Load Balancing
· TS Session Broker
· Installing Session Broker
· Configuring Farm Member
· Allowing User Connections

Section D: IIS 7.0
· IIS History
· IIS 6.0 Focus
· IIS 7.0 Focus
· IIS 6.0 vs 7.0 Architecture
· Microsoft's Web Platform
· Simpler Configuration
· Installing IIS
· Verifying IIS Installation

Section E: Managing IIS 7.0
· Managing Global Settings
· Configure Logging
· Administrator Delegation
· Monitoring IIS
· Using APPCMD
· Backing Up

Section F: Web Applications
· Application Pools
· .NET and ASPX
· Treating Application Pool
· Basic Settings
· General Settings
· CPU Settings
· Recycling Settings
· Application Assignment

Section G: Managing Web Sites
· Publishing Web Sites
· Migrating IIS 6.0 Sites
· Creating Web Sites Using APPCMD
· Adding Content Using APPCMD
· Creating Web Site Using IIS Manager
· Creating Virtual Directory
· Configuring IP Addresses
· Editing Site Bindings

Windows Server 2008, Applications Infrastructure Configuration *continued*

Session 4

Section A: File Transfer Protocol

- FTP Defined
- IIS 7.0 FTP
- FTP Server Versions
- Installing FTP6
- Verifying FTP Connectivity
- Default Location Properties
- FTP6 Properties
- Removing FTP Role
- Installing FTP7
- Creating FTP Site Binding

Section B: Simple Mail Transfer Protocol

- SMTP Introduction
- Installing SMTP
- Configuring SMTP Properties
- SMTP Access Properties
- SMTP Message Properties
- SMTP Routing and Delivery
- SMTP Security Properties
- Adding SMTP Virtual Servers

Section C: Web Server Security

- Web Authentication
- URL Authorization
- Understanding SSL
- Configuring Authentication
- Managing URL Authorization

Section D: Windows Media Server

- Media Services
- Media Delivery
- Adding Streaming Media Services
- Managing WMS Authorization
- WMS Logging
- Publishing Points
- WMS Security
- Digital Rights Management
- DRM Encryption

Section E: Windows SharePoint Services

- SharePoint Services
- SharePoint Applications
- WSS Solutions
- Storage Management
- Collaboration
- Information Management
- Planning Installation
- Minimum Server Requirements

Section F: SharePoint Content Management

- Installing WSS
- Configuration Wizard
- Site Provisioning
- Site Collection
- Central Administration
- Enabling Incoming E-mail
- Enabling Outgoing E-mail
- Creating New Web Application
- Creating New Site Collection
- Managing Site Content
- Backing Up Site Content