



Expert Aaron Spurlock

Windows Server 2008, Server Administrator Training
5 Sessions –
15 Hours of Interactive Training

In this course you will find what is new in Server 2008. Work with Aaron Spurlock as he takes you through clean installations and upgrades. Learn use of BitLocker, and other installation processes and deployment options. Work with DHCP, DNS and Active Directory in the Server 2008 environments. Work with Hyper – V and Terminal Services along with other core methods to manage your software services. Watch as Aaron shows you how to set up security services and NPAS. When you have completed this series you will understand the built in processes within Server 2008 to secure your data and provide services to ensure continuity within your enterprise environment.

Benefits

- Take a comprehensive look at the Server 2008 features and built-in functions
- Prepares you for exam MCITP Server Administrator Certification exam 70-646
- Helps you install, configure and setup vital services to ensure reliable service to your network

About The Author

Aaron Spurlock is an MCSE+I, MCT, CNE and CNI. He has consulted and trained on networks and computing for the past 15 years with Lucent Technologies, Mastering Computers, Scientific-Atlanta and the Florida Marlins, among others. He currently owns Technovation Design in Ogden, Utah, specializing in Windows 2000 and NetWare 5 consulting as well as home and corporate automation technologies.

Session 1

- Section A: Course Overview
- Introduction
 - Prerequisites
 - What's New in Server 2008
 - Server 2008 Editions
 - Server Requirements
 - Edition Differences
 - Special Considerations

Section B: Planning for Deployment

- Licensing Choices
- Server Core Installation
- Installation Choices
- Upgrade Choices
- Performing an Upgrade

Section C: Installation Process

- Overview
- Understanding BitLocker
- Performing the Installation
- Partitioning
- Finishing the Installation
- Configuring the Server

Section D: Windows Activation Methods

- Activation Tools
- Activation Considerations
- VAMT
- MAK to KMS Activations
- rearm Evaluation

Section E: Automated Deployment

- Deployment Options
- Windows Deployment Services
- Set Up Deployment Services Role
- AIK ISO
- Install AIK
- Configure Deployment Services
- PXE Server Setup
- Copy Setup Files

Section F: Multicast Installation

- Transport Server Options
- Create Multicast Transmission
- View Multicast Properties
- Troubleshooting Deployment

Session 2

Section A: DHCP Server Roles

- Infrastructure Services
- DHCP and NAP Role
- Configure DHCP Role
- Install and Set Up Scope

Section B: DNS Server Role

- Name Resolution
- Managing Zones
- WINS
- GlobalNames Zone
- Install DNS Role
- Configure GlobalNames

Section C: Active Directory Role

- Planning for AD Service
- AD Maintenance and Auditing
- AD Functional Levels
- AD Services Placement
- AD Branch Domain Controllers
- Configure AD Services Roles
- Site Configuration Options

Section D: File Server Role

- Plan for File Service
- Sharing Files
- Offline Files
- Configure File Role Services
- Share Setup Options

Section E: File Management

- File Server Resource Manager
- Quotas
- Add/Install Role Services
- Using File Server Manager
- File Screening
- Applying File Screen Templates
- Storage Reporting

Section F: Windows Search Service

- Accessing Data
- Add Windows Search Service
- Using Windows Search Service
- Advanced Options

Section G: Print Services Role

- Print Services
- Planning Print Services
- Add Print Services
- Add Network Printer
- Print Management

Session 3

Section A: DFS Namespaces

- Managing Distributed Files
- Stand-Alone Namespaces
- Domain-Based Namespaces
- Add DFS Services
- Managing DFS
- DFS Replication
- DFS Implementations
- DFS Tools

Section B: Application Server and Services

- Planning for Application Services
- Supporting Application Servers
- Add Application Server Role
- Configure the Service

Section C: Server Virtualization

- Planning for Virtualization
- Portability Benefits
- Legacy Applications
- Licensing Considerations
- Add Hyper-V
- Managing Hyper-V
- Hyper-V Settings
- Create Virtual Machine
- Install OS Options
- Start VM

Section D: Terminal Services

- Implementing TS
- Planning for TS
- TS Considerations
- TS Security and Configuration
- Install TS Roles
- Configuration TS Role
- Authentication
- Setup Prerequisites

Section E: Setting Up TS Options

- TS Session Broker
- TS Session Broker Configuration
- Configuration for Terminal Server
- TS Gateway
- TS Gateway Manager
- Connection Authorization Policies
- Resource Authorization Policies
- Client Connection

Section F: Terminal Service Application

- TS RemoteApp
- Configuring TS RemoteApp
- RemoteApp Wizard
- TS Web
- TS Web Configuration
- TS Web Access
- Using TS Web

Windows Server 2008, Server Administrator

continued

Session 4

Section A: Deploying Applications

- Application Deployment
- Deployment Options
- Application Virtualization
- Application Maintenance

Section B: Maintaining Server 2008

- Management Tools
- Server Management
- Remote Management
- Server Core
- Using ServerManagerCMD
- View Console Snap-in

Section C: Software Management

- Change Management
- Patch Management
- Local Server Security
- Auditing

Section D: Delegating Administration

- Delegation Guidelines
- Active Directory Delegation
- Management Delegation
- Create Delegate Group
- Edit Group Authority
- Delegate Server Management
- Assigning Server Rights

Section E: Group Policy

- Using Group Policy
- Planning Group Policy
- View Group Policy Manager
- Maintaining Group Policy
- ADMX Files
- Creating Central Store
- Creating Group Policy

Section F: Monitor Servers

- Monitoring Tools
- Event Viewer
- Using Event Viewer
- Application and Service Logs
- Enterprise Monitoring

Section G: Performance

- Performance Monitoring Tools
- Working with Baselines
- Reliability and Performance Monitor
- Performance Monitor
- Data Collector Sets
- Collector Sets Report
- Allocation of Resources
- Managing with WSRM

Session 5

Section A: Security

- Certificate Services
- Certificate Options
- CA Types
- Add CA Role
- Set Up and Install CA
- PKI Considerations
- Publish Trust Hierarchy

Section B: Access Control

- Limiting Entry
- Network Access Protection
- Restriction Option
- Use NPAS Service
- Configure Scope Options
- Set Up NAP Policy
- NAP Ineligible Clients
- Planning NAP Defense
- Using 802.1 or IPSec

Section C: Remote Access

- Server Remote Access Options
- VPN Protocol SSTP
- RADIUS Server
- Add Remote Access Services
- Create Remote Policy

Section D: Disaster Recovery

- Business Continuity
- Load Balancing
- Clustering
- Failover Control Process
- Storage Solutions
- SAN Solutions

Section E: Backup and Recovery

- Contingency Plan
- AD Data Recovery
- AD Snapshot
- Shadow Copy Service
- EFS Recovery with DRA
- BitLocker Recovery
- Backing Up Data
- Add Backup to Server Manager
- Use Windows Server Backup
- Restoring Data

Section F: Troubleshooting

- System Tools
- Disk and Memory Issues
- Memory Diagnostics Tool
- Security Troubleshooting
- Network Troubleshooting