



COMPUTER TRAINING

The key to a better future

WINDOWS

Course No. 6446

5 Days

Target Audience:

This course provides students with the knowledge and skills to implement and administer Windows Essential business Server 2008. It is intended for the value-added provider/reseller (VAP/VAR), service provider, system integrator, technology consultant, and in-house technology staff that serve businesses in the small and medium business (SMB) space.

Pre-requisites:

Before attending this course, students must have the following pre-requisites:

- 1+ years of experience using Windows Essential Business Server, Windows Small Business Server 2003 Premium and/or Exchange Server 2007; Forefront for Exchange; ISA Server 2004 or later and Windows Server 2003 or later.
- 3+ years of experience managing and monitoring a Microsoft Windows-based network.
- A Microsoft Certified Systems Administrator (MCSA) on Windows Server 2003 credential or equivalent knowledge.

Purpose:

After completing the course, students will be able to assess mid-sized business' technology and business needs; design a Microsoft Windows Essential Business Server 2008 network solution; install Microsoft Windows Essential Business Server 2008; migrate to Microsoft Windows Essential Business Server 2008; configure Microsoft Windows Essential Business Server 2008; manage users and groups in Microsoft Windows Essential Business Server 2008; manage messaging in Microsoft Windows Essential Business Server 2008; manage and monitor Microsoft Windows Essential Business Server 2008; secure a Microsoft Windows Essential Business Server 2008 network; expand a Microsoft Windows Essential Business Server 2008 network.

Implementing and Administering Windows Essential Business Server 2008

At the end of the course the delegate will be able to complete the following:

Introduction to Microsoft Windows Essential Business Server 2008

- Product Overview
- Server Hardware Requirements
- Integrated Technologies and Architecture

Skills:

- Describe Windows Essential Business Server 2008 features and advantages.
- Describe the ability of the EBS console to simplify management.
- Describe EBS 2008 hardware requirements.
- Describe network infrastructure requirements.
- Describe the EBS 2008 admin console.
- Describe data architectures used in EBS 2008.

Plan and Design a Technology Solution for Mid-sized Businesses

- Conducting a Business Assessment
- Conducting a Technical Assessment
- Selecting Hardware for an EBS Environment
- Lab: Perform a Needs Assessment Lab - Building a Network Solution for Tailspin Toys

Skills:

- Describe the Assessment and Deployment Solution for Midsize Businesses.
- Describe the inventory analysis component.
- Describe storage technologies.
- Discuss possible network topologies.

Preparing an Existing Network for a Windows Essential Business Server 2008 Installation

- Performing an Inventory of the Existing Network
- Managing Network Infrastructure Issues in the Existing Network
- Lab: Using the Preparation Wizard and the Planning Wizard

Skills:

- Describe EBS 2008 networking concepts, terminology, and methodologies.
- Describe the tools available to perform an inventory of the network.
- Describe how to perform a network inventory.
- Identify and resolve network infrastructure issues.

Installing Windows Essential Business Server 2008

- Installing the Management Server
- Installing the Security Server
- Installing the Messaging Server
- Configuring an EBS 2008 Environment using the Guided Configuration and Migration Tasks
- Installing the Troubleshooting Tool
- Lab: Installing the Essential Business Server Suite

Skills:

- Describe the installation sequence of the Essential Business Server suite.
- Describe the server setups.
- Identify migration tasks.
- Describe how to troubleshoot a failed installation using setup log analysis.
- Describe FSMO role migration.

Migrating to Windows Essential Business Server 2008

- Migrate from Small Business Server 2003 to Essential Business Server 2008
- Migrating Network Infrastructure Services and Roles
- Migrating Exchange Server
- Migrating Firewall
- Migrating Windows Server Updates Services (WSUS)
- Decommissioning Servers
- Lab: Configuration and Migration Task List and Verifying Configuration and Migration

Skills:

- Describe migration of an existing SBS 2003 environment to EBS 2008.
- Migrate Microsoft Exchange Server to EBS.
- Manage the transition to the Security Server.
- Describe the migration of firewall rules to Forefront Threat Management Gateway.
- Describe steps to migrate from prior versions of WSUS.
- Decommission unneeded servers.

Managing a Windows Essential Business Server 2008 Environment

- Managing Servers and Computers using the Administration Console
- Managing Security and System Health using the Administration Console
- Administering Licensing in Essential Business Server
- Managing Client Computers
- Lab: Using the Essential Business Server Administration Console

Skills:

- Use the EBS administration console features and structure.
- Describe the security and system health pages monitoring features.
- Manage licensing in the EBS console.
- Add a client computer to the EBS environment.
- Install a security certificate on a remote computer.
- Connect to a remote computer.



Configure and Manage Exchange Server 2007

- Managing Mailbox Size Quotas
- Managing External E-mail Domains
- Design Considerations for Database and Log File Locations
- Troubleshooting and Optimizing the Exchange Server 2007 Environment
- Lab: Administering and Optimizing Exchange Server 2007

Skills:

- Perform administrative tasks on the Messaging Server.
- Configure additional e-mail domains.
- Configure messaging server databases and log files.
- Manage and monitor mail flow.
- Use built-in Exchange Best Practice Analyzer (ExBPA) to optimize the Exchange Server 2007 environment.

Configure and Manage System Center Essentials 2007

- Administering System Center Essentials
- Administer Patch Management
- Monitoring Performance
- Managing Applications
- Lab: Configuring SCE to Deploy Software and Updates

Skills:

- Administer SCE through the EBS administration console.
- Configure patch management using WSUS.
- Describe SCE monitoring and management capabilities for WSUS.
- Configure Triaging Alerts.
- Configure SCE to manage applications.

Configure Microsoft Forefront Security for Exchange Server

- Managing Forefront Security for Exchange Server Services
- Configuring Anti-malware Protection
- Configure Attachment Filtering
- Lab: Manage E-mail Protection with Forefront Security for Exchange

Skills:

- Describe Forefront Security for Exchange Server Services components.
- Configure e-mail spam and malware protection.

Configuring Remote Access to Windows Essential Business Server

- Configuring Certificates
- Configuring Remote Web Workplace
- Configuring Microsoft Office Outlook Web Access (OWA)
- Configure Remote Desktop
- Connecting Windows Mobile Devices to EBS
- Lab: Configure Remote Access to the Essential Business Server Environment

Skills:

- Install certificates on client computers.
- Administer Remote Web Workplace.
- Add a public certificate to external weblistener.
- Describe OWA options.
- Configure user manageability of mobile devices.
- Describe access control methods for remote services.
- Connect Outlook to the EBS Exchange 2007 messaging server over the Internet.
- Explain Autodiscover feature.
- Connect a Windows mobile device to an Exchange server.
- Explain how Exchange Active Sync for Windows Mobile devices works.
- Manage security policies for mobile devices.

Essential Business Server Premium Edition

- Installing a Fourth Server
- Installing SQL Server 2008 Standard Edition
- Using the Fourth Server as a Base Server for Virtualized Machines

Skills:

- Describe the benefits of integrating a fourth server in a medium sized business.
- Describe the additional EBS 2008 Premium server license.
- Describe the installation process for a fourth server.
- Describe the Hyper-V role in Windows Server 2008.
- Describe virtualization licensing.
- Identify hardware recommendations for running virtualized machines.
- Set up a virtualized network.
- Describe virtual machine setup for Windows Server.

Backup and Restore

- Disaster Recovery Strategies
- Manage Backup and Disaster Recovery Planning
- Bare Metal Restore Ability of EBS 2008
- Introducing Data Protection Manager
- Backing Up and Restoring the Microsoft Exchange Server
- Lab: Using EBS Bare Metal Restore and Data Protection Manager

Skills:

- Identify business needs during a disaster recovery.
- Configure backup and disaster recovery planning for high availability.
- Explain how EBS performs a bare metal restore.
- Describe Data Protection Manager 2007 and its capabilities.
- Describe how to install DPM on EBS.
- Identify how to back up and restore SharePoint data using SQL database recovery.
- Identify how to back up and restore SharePoint data using single object restore.



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Cost:

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Numbers:

Maximum of 6 people on each course at F1's training facilities in London and Bath