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16 Corporate Woods Blvd.
Albany, NY 12211

Computer Visions Course Outline

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10135A: Configuring, Managing and Troubleshooting Microsoft Exchange Server 2010

Description:

This five-day, instructor-led course will provide you with the knowledge and skills to configure and manage an Exchange Server 2010 messaging environment. This course does not require previous Exchange Server experience, but does require that students have significant experience in managing Windows Server and Active Directory directory services or Active Directory Domain Services (AD DS). This course will teach you how to configure Exchange Server 2010, as well as provide guidelines, best practices, and considerations that will help you optimize your Exchange Server deployment.

Course Outline:

Module 1: Deploying Microsoft Exchange Server 2010

This module describes how to prepare for, and perform, an Exchange Server 2010 installation. It also provides details on the Exchange Server 2010 deployment.

Lessons

- Overview of Exchange Server 2010 Requirements
- Installing Exchange Server 2010 Server Roles
- Completing an Exchange Server 2010 Installation
Lab : Installing Exchange Server 2010
- Evaluating Requirements for an Exchange Server Installation
- Preparing for an Exchange Server 2010 Installation
- Installing Exchange Server 2010
Lab : Verifying an Exchange Server 2010 Installation
- Verifying an Exchange Server 2010 Installation

Module 2: Configuring Mailbox Servers

This module describes the management tools that you can use to manage Exchange Server 2010. It also describes the Mailbox server role, some of the new Exchange Server 2010 features, the most common Mailbox server role post-installation tasks, and public folders.

Lessons

- Overview of Exchange Server 2010 Administrative Tools
- Configuring Mailbox Server Roles
- Configuring Public Folders

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Lab : Configuring Mailbox Servers

- Configuring Mailbox Databases
- Configuring Public Folders

Module 3: Managing Recipient Objects

This module describes how you can manage recipient objects, address policies, and address lists in Exchange Server 2010. It also describes procedures for performing bulk management tasks in Exchange Management Shell.

Lessons

- Managing Mailboxes
- Managing Other Recipients
- Configuring E-Mail Address Policies
- Configuring Address Lists
- Performing Bulk Recipient Management Tasks

Lab : Managing Recipient Objects

- Managing Recipients
- Configuring E-Mail Address Policies
- Configuring Address Lists
- Performing Bulk Recipient Management Tasks

Module 4: Managing Client Access

This module provides details on how to implement the Client Access server role in Exchange Server 2010.

Lessons

- Configuring the Client Access Server Role
- Configuring Client Access Services for Outlook Clients
- Configuring Outlook Web App
- Configuring Mobile Messaging

Lab : Configuring Client Access Servers for Outlook Anywhere Access

- Configuring Client Access Servers
- Configuring Outlook Anywhere

Lab : Configuring Client Access Servers for Outlook Web App and Exchange ActiveSync

- Configuring Outlook Web App
- Configuring Exchange ActiveSync

Module 5: Managing Message Transport

This module details how to manage message transport in Exchange Server 2010. It also describes how to deploy and configure the Hub Transport server.

Lessons

- Overview of Message Transport
 - Configuring Message Transport
- #### Lab : Managing Message Transport
- Configuring Internet Message Transport
 - Troubleshooting Message Transport
 - Troubleshooting Internet Message Delivery

Module 6: Implementing Messaging Security

This module describes how to plan for and deploy the Edge Transport

server role and the security issues related to the deployment. It also describes how to configure secure SMTP messaging as well as Domain Security.

Lessons

- Deploying Edge Transport Servers
 - Deploying an Antivirus Solution
 - Configuring an Anti-Spam Solution
 - Configuring Secure SMTP Messaging
- Lab : Configuring Edge Transport Servers and Forefront Protection 2010
- Configuring Edge Transport Servers
 - Configuring ForeFront Protection 2010 for Exchange Servers
- Lab : Implementing Anti-Spam Solutions
- Configuring an Anti-Spam Solution on Edge Transport Servers

Module 7: Implementing High Availability

This module describes the high availability technology built into Exchange Server 2010 and some of the outside factors that affect highly available solutions.

Lessons

- Overview of High Availability Options
 - Configuring Highly Available Mailbox Databases
 - Deploying Highly Available Non-Mailbox Servers
- Lab : Implementing High Availability
- Deploying a DAG
 - Deploying Highly Available Hub Transport and Client Access Servers
 - Testing the High Availability Configuration

Module 8: Implementing Backup and Recovery

This module describes the backup and restore features built into Exchange Server 2010 and considerations for creating a suitable backup plan.

Lessons

- Planning Backup and Recovery
 - Backing Up Exchange Server 2010
 - Restoring Exchange Server 2010
- Lab : Implementing Backup and Recovery
- Backing Up Exchange Server 2010
 - Restoring Exchange Server Data
 - Restoring Exchange Servers (optional)

Module 9: Configuring Messaging Policy and Compliance

This module describes how to configure the Exchange Server 2010 messaging policy and compliance features.

Lessons

- Introducing Messaging Policy and Compliance
 - Configuring Transport Rules
 - Configuring Journaling and Multi-Mailbox Search
 - Configuring Messaging Records Management
 - Configuring Personal Archives
- Lab : Configuring Transport Rules, Journal Rules, and Multi-Mailbox Search

- Configuring Transport Rules
 - Configuring Journal Rules and Multi-Mailbox Search
- Lab : Configuring Messaging Records Management and Personal Archives
- Configuring Messaging Records Management
 - Configuring Personal Archives

Module 10: Securing Microsoft Exchange Server 2010

This module describes how to configure administrative permissions with Role Based Access Control and how to secure the Exchange Server configuration.

Lessons

- Configuring Role Based Access Control
 - Configuring Security for Server Roles in Exchange Server 2010
 - Configuring Secure Internet Access
- Lab : Securing Exchange Server 2010
- Configuring Exchange Server Permissions
 - Configuring a Reverse Proxy for Exchange Server Access

Module 11: Maintaining Microsoft Exchange Server 2010

This module describes how to monitor and maintain Exchange Server 2010. It also describes how to troubleshoot Exchange Server when problems arise.

Lessons

- Monitoring Exchange Server 2010
 - Maintaining Exchange Server 2010
 - Troubleshooting Exchange Server 2010
- Lab : Maintaining Exchange Server 2010
- Monitoring Exchange Server 2010
 - Troubleshooting Database Availability
 - Troubleshooting Client Access Servers

Module 12: Upgrading from Exchange Server 2003 or Exchange Server 2007 to Exchange Server 2010

This module describes how to upgrade an existing Exchange Server 2003 or Exchange Server 2007 organization to an Exchange Server 2010 organization. It also describes the various considerations for implementing coexistence between the two messaging systems after an Exchange Server 2010 deployment.

Lessons

- Overview of Upgrading to Exchange Server 2010
 - Upgrading from Exchange Server 2003 to Exchange Server 2010
 - Upgrading from Exchange Server 2007 to Exchange Server 2010
- Lab : (no lab)

Module 13: Implementing Unified Messaging

This appendix describes how Unified Messaging integrates Exchange Server with telephony networks. It also describes how to configure Unified Messaging.

Lessons

- Overview of Telephony
- Introducing Unified Messaging

- Configuring Unified Messaging
- Lab : Implementing Unified Messaging
- Installing and Configuring Unified Messaging Features

Module 14: Advanced Topics in Exchange Server 2010

This appendix provides an overview of how to implement a highly available Exchange Server 2010 deployment across multiple data centers. It also describes how to deploy Federated Sharing.

Lessons

- Deploying Highly Available Solutions for Multiple Sites
- Implementing Federated Sharing

Lab : (no lab)