

Course 561: Exchange 2010 Foundations (4 days)

Course Description...

Exchange 2010 will change the way E-mail is handed in the enterprise. Administrators need to understand Exchange 2010 operations before they can plan and execute a New Installation or Migration from an existing Exchange 2003 or Exchange 2007 infrastructure. In this intense 4-day Hands-on course, the essentials of Exchange Implementation, Management and (optional 1 day) Migration will be covered.

Who should attend...

This course will benefit IT Administrators, Active Directory Administrators, Exchange Administrators, Migration Teams, Senior Help Desk Staff, and IT Managers who need to know how to deploy and manage Exchange 2010 into your environment.

Suggested Prerequisites...

- Knowledge and Experience with Windows Active Directory
- A basic understanding of TCP/IP and SMTP message flow

Course Outline...

Exchange Server 2010 Overview

- What is Exchange 2010
- Advantages of Exchange 2010 over previous versions and other mail systems
- Exchange 2010 Requirements, Versions and Licensing
- Active Directory Preparation for Exchange 2010
- Pre-Installation of Exchange 2010
- Understanding Server Roles
- Review of Deprecated Exchange Features

Exchange Server 2010 Installation and Management

- Installation of Microsoft Exchange 2010
- Using the Exchange Management Console
- Introduction to the Exchange Management Shell
- Building additional Exchange 2010 servers
- Exchange Best-Practices
- Discussion of Exchange Server Virtualization



Managing Users, Groups, Contacts and Mailboxes

- Creating and managing Mailboxes
- Creating and managing Distribution Groups
- Creating and managing Mail Contacts
- Defining E-mail Addresses
- Managing Recipients
- Controlling Inbound E-mail Domains

Exchange Client Connectivity

- Managing Outlook 2007 and 2010, including Auto discovery
- Outlook Web Access Setup
- Exchange ActiveSync and Mobile Messaging
- Secure Exchange Web Services with SSL/TLS
- Discussion of iPhone and Blackberry Connectivity Options

Designing an Exchange Infrastructure

- Sizing an Exchange Server
- Exchange Data Storage Requirements
- Database Design and Implementation
- Performing Online Mailbox Moves

Automating Exchange 2010 Management with Exchange Management Shell

- PowerShell and the Exchange Management Shell
- Automating Mailbox Management
- Automating Server Management
- Automating Messaging Management

Managing Exchange Communications

- Controlling Exchange Transport Rules
- Messaging Records Management
- Exchange Journaling and Archives
- Anti-spam and anti-virus management technologies
- Exchange Edge Transport Servers

Enhancing Exchange Server Operations for High Availability and Site Resilience

- Incremental Deployment
- Mailbox Database Copies
- Database Availability Groups
- Shadow Redundancy
- Transport Dumpster

Troubleshooting Exchange 2010

- The Exchange 2010 Toolbox
- Exchange Transport Rules
- Database and Server Backup
- Recovering Databases, Mailboxes and Individual Messages
- Dial-tone Databases



Optional Module: Migrating from Exchange 2007 to Exchange 2010

- Preparing Exchange 2007 and Active Directory for Migration
- Installing the First Exchange 2010 Server
- Testing Exchange 2010 Performance
- Migrating Mailboxes and other Messaging objects
- Reconfigure Incoming and Outgoing Communication
- Removing Exchange 2007 Servers

Optional Module: Migrating from Exchange 2003 to Exchange 2010

- Preparing Exchange 2003 and Active Directory for Migration
- Installing the First Exchange 2010 Server
- Testing Exchange 2010 Performance
- Migrating Mailboxes and other Messaging objects
- Reconfigure Incoming and Outgoing Communication
- Updating Recipient Policies and Address Lists to OPATH
- Removing Exchange 2003 Servers

**Additional/Custom Topics are available - please contact your
ROI representative to discuss course tailoring!!!**