

Course 50162A: Exchange Administrators Guide to Scripting using the Exchange Management Shell (EMS)

Prerequisites:

Before attending this course, students must have:

- Working knowledge of Microsoft Windows Server 2003.
- Knowledge of Microsoft Exchange Server 2003.

Module 1: Introduction to EMS Scripting

This module provides students with an introduction to the Exchange Management Shell (EMS) and how to use its features to enhance productivity.

Lessons

- What Is the Exchange Management Shell?
- Using the Exchange Management Shell
- Working with Command Output
- Extra Productivity Features

Lab: Introduction to EMS Scripting

- EMS Basics
- Using EMS Providers and Drives
- Performing Simple Exchange Management Tasks
- Getting Help
- Working with Command Output

Lab: Automating Administrative Tasks

- Working with Variables
- Creating Script Files
- Writing Reusable Functions
- Creating Complex Scripts Using Flow Control Logic

Module 3: Administering Microsoft Exchange Server 2007 Using the EMS cmdlets

This module examines up close the specific Microsoft Exchange Server 2007-related tasks they may wish to employ for when they write administrative scripts and on an ad hoc basis.

Lessons

- Managing Mailbox Features
- Managing Recipients
- Managing Client Access Features
- Managing Transport Servers
- Monitoring the Exchange Environment
- Exporting Data and Creating Reports

Lab: Managing Exchange Server 2007 Using the Exchange Management Shell

- Administering Mailbox Server Role Features
- Managing Client Access Features
- Working with Hub Transport Server Queues
- Conducting Operational Monitoring Using the Exchange Management Shell

Lab: Exporting Data and Creating Reports

- Exporting Data in CSV and XML Formats
- Reporting on the Exchange Environment

Module 4: Creating Exchange Administrative Scripts

This module examines the most frequently used procedures that successful EMS users employ. EMS is a very powerful tool for automating routine tasks, and students can create reusable scripts that let them perform virtually any task within the Exchange environment and provide special logic to the script flow. To fully master scripting with EMS, they must understand some key concepts about troubleshooting and debugging, bulk-enabling, and securing their scripts.

Lessons

- Real-Word Scripting
- Configuring the Environment

Lab: Creating Administrative Scripts

- Customizing EMS Profiles
- Creating Administrative Scripts
- Troubleshooting Scripts