

همراه با حمایت فنی رایگان از طریق ایمیل  
همراه با اعطاء مدرک معتبر



# مالتي مدياي Microsoft Pack

## ISA, SQL, Exchange Servers

### به زبان فارسي (۱ DVD – ۶۵ ساعت)

این ۱ DVD شامل:

۴۰ بخش آموزشی با بیش از ۱۷۹ درس به زبان انگلیسی و تشریح فارسی ✓

۱۶۳ لابراتور کاربردی برای توضیح کامل و شفاف مطالب ✓

Utilities شامل: ✓

ابزارهای نرم افزاری. E-Book. ها، ۱۱ VMware Workstation ✓

مطالب جدید و بروز: ✓

SQL Server ۲۰۱۴, Exchange Server ۲۰۱۳ SP۱, Forefront TMG

#### System Requirements

- Windows XP with SP 2
- 256 MB RAM
- CD-ROM or DVD
- 1024 x 768 High Resolution Video Card & Monitor

# **Microsoft Exchange Server 2007 Implementation and Maintenance**

## **Chapter 1 Exchange Server 2007 Deployment**

- 1.1 Overview, Hardware & Editions
- 1.2 Exchange Server, Windows & Active Directory
- 1.3 Administration Tools
- 1.4 Messaging Roles
- 1.5 Exchange Server Roles & Active Directory
- 1.6 Exchange Server & Existing Exchange Organizations

## **Chapter 2 Managing Exchange Server 2007 Clients & Mobile Messaging Users**

- 2.1 Mail Clients
- 2.2 Managing Exchange Server Service in Outlook 2007
- 2.3 Mail Profiles
- 2.4 Mobile Messaging Users
- 2.5 Mobile Device & Wireless Access
- 2.6 Remote Mail and Outlook Anywhere

## **Chapter 3 Exchange Server 2007 Administration & Exchange Management Shell**

- 3.1 Exchange Server 2007 Organizations
- 3.2 Data Storage
- 3.3 Message Queues
- 3.4 Exchange Management Shell
- 3.5 Cmdlets

## **Chapter 4 User, Contact, Mailbox Administration, Groups & Address Lists**

- 4.1 User and Contact Administration
- 4.2 Managing User Accounts and Mail Features
- 4.3 Mailbox Administration
- 4.4 Distribution Groups and Address Lists

## **Chapter 5 Exchange Server 2007 Security & Data Storage Groups**

- 5.1 Exchange Server 2007 Security
- 5.2 Exchange Administrator Permissions
- 5.3 Auditing
- 5.4 Information Store
- 5.5 Content Indexing

## **Chapter 6 Mailbox & Public Folder Database Administration**

- 6.1 Mailbox and Public Folder Database Administration
- 6.2 Public Folder Databases & Managing Databases
- 6.3 Managed Folders and Managed Records
- 6.4 Accessing and Managing Public Folders

## **Chapter 7 Managing Transport Servers and Client Access Servers**

- 7.1 Managing Hub Transport and Edge Transport Servers
- 7.2 Completing Transport Server Setup
- 7.3 Managing Message Pickup and Replay
- 7.4 Managing Accepted Domains & Email Policies
- 7.5 Remote Domains, Antispam & Message Filtering Options
- 7.6 Managing Client Access Servers
- 7.7 Enabling POP3 and IMAP4 & Deploying Outlook Anywhere
- 7.8 Managing Exchange Server Features for Mobile Devices

## **Chapter 8 Exchange Server 2007 Maintenance, Backup & Restore**

- 8.1 Troubleshooting, Logging & Tracking
- 8.2 Monitoring Events, Services, Servers, and Resource Usage
- 8.3 Exchange Queues
- 8.4 Backing Up and Restoring Exchange Server 2007
- 8.5 Recovering Exchange Server & Restoring Mailboxes

## **Chapter-9 Exchange Server 2007 Clustering**

- 9.1 Clustering Overview
- 9.2 Single Copy Clusters
- 9.3 Clustered Continuous Replication Clusters
- 9.4 High Availability & Server Availability

## **Exchange Server 2007 Labs**

- Lab-0 Installing Exchange Server 2007
- Lab-1 Exchange Server 2007 Maintenance Mode
- Lab-2 Exchange Management Console Overview
- Lab-3 Windows PowerShell Overview
- Lab-4 Exchange Management Shell Overview
- Lab-5 Microsoft Exchange Security Groups
- Lab-6 Modify Configuration Domain Controller & Recipient Scope
- Lab-7 Event Viewer Logs & Exchange Services
- Lab-8 Recipient Configuration Node (User Mail Box)
- Lab-9 Recipient Configuration Node (Room Mail Box)
- Lab-10 Recipient Configuration Node (Equipment Mail Box)
- Lab-11 Recipient Configuration Node (Link Mail Box)
- Lab-12 Recipient Configuration Node (Mail Contact)
- Lab-13 Recipient Configuration Node (Mail User)
- Lab-14 Distribution & Dynamic Distribution Groups
- Lab-15 Recipient Configuration Review
- Lab-16 Server Configuration (Mailbox Role)
- Lab-17 Mailbox Role : Mailbox & Public Folder Database
- Lab-18 Server Configuration (Client Access Role)
- Lab-19 Server Configuration (Hub Transport Role)
- Lab-20 Creating a New SMTP Receive Connector
- Lab-21 Add New Exchange Administrator Role
- Lab-22 Configuring Service Startup
- Lab-23 Creating a New Address Lists
- Lab-24 Managed Default Folders
- Lab-25 Managed Custom Folders

Lab-26	Managed Folder Mailbox Policies
Lab-27	Offline Address Book
Lab-28	Assigning Advanced Exchange Server Permissions
Lab-29	Auditing Exchange Server Usage
Lab-30	Hub Transport: Remote Domains
Lab-31	Hub Transport: Accepted Domains
Lab-32	Hub Transport: Email Address Policies
Lab-33	Hub Transport: Transport Rules
Lab-34	Hub Transport: Journaling
Lab-35	Hub Transport: Send Connectors
Lab-36	Hub Transport: Edge Subscriptions
Lab-37	Exchange Server 2007 Performance Counters
Lab-38	Mail Client: Outlook 2007 Online Help
Lab-39	Mail Client: Outlook 2007 Overview
Lab-40	Mail Client: Outlook 2007 Details
Lab-41	Mail Client: Outlook 2007 Web Site
Lab-42	Toolbox: Best Practice Analyzer
Lab-43	Toolbox: Database Recovery Management
Lab-44	Toolbox: Database Troubleshooter
Lab-45	Toolbox: Mail Flow Troubleshooter
Lab-46	Toolbox: Message Tracking
Lab-47	Toolbox: Queue Viewer
Lab-48	Toolbox: Performance Troubleshooter
Lab-49	Tools Web Site
Lab-50	Exchange 2007 File Paths
Lab-51	Exchange Server 2007 Backup & Restore
Lab-52	Exchange Setup Parameters
Lab-53	Office Outlook Web Access
Lab-54	Creating Multiple Storage Groups
Lab-55	Enabling & Verifying LCR
Lab-56	PowerShell Scripts, Properties & Commands
Lab-57	Unified Messaging: Configuring Dial Plans
Lab-58	Unified Messaging: Configuring IP Gateways
Lab-59	Unified Messaging: Configuring Mailbox Policies
Lab-60	Unified Messaging: Configuring Auto Attendants

# SQL Server 2005 Implementation and Maintenance

## Chapter 0 Introduction to RDBM & SQL

- 0.1 Database Basics
- 0.2 SQL Basics Part I
- 0.3 SQL Basics Part II

## Chapter 1 Installing Microsoft SQL Server 2005

- 1.1 Introduction to SQL Server 2005
- 1.2 Prerequisites
- 1.3 Preparing to Install
- 1.4 Upgrading from a Previous version
- 1.5 Installing SQL Server 2005
- 1.6 Relational Database Concepts
- 1.7 SQL Server Management Studio

## Chapter 2 Creating and Configuring Databases

- 2.1 Planning your database
- 2.2 Filegroups
- 2.3 Database File Placement
- 2.4 Creating Data Storage Structures
- 2.5 Estimating Storage Requirements
- 2.6 Creating and Configuring Databases

## Chapter 3 Working with Tables and Views

- 3.1 Planning Tables
- 3.2 Introducing Built-in Data Types
- 3.3 Creating Tables
- 3.4 Restricting the Data
- 3.5 Partitioning Tables
- 3.6 Understanding Views

## **Chapter 4 Performing Indexing and Full-Text Searching**

- 4.1 Index Architecture
- 4.2 Clustered Indexes
- 4.3 Non-Clustered Indexes
- 4.4 Indexes, Primary Keys & Full Text Searching

## **Chapter 5 Introducing More Database Objects**

- 5.1 Stored Procedures
- 5.2 Triggers
- 5.3 Event Notifications
- 5.4 Functions
- 5.5 User Defined Types

## **Chapter 6 Implementing Security in SQL Server 2005**

- 6.1 SQL Server Security Modes
- 6.2 SQL Server Logins & Fixed Server Roles
- 6.3 Creating Database User Accounts
- 6.4 Permissions & Permission States
- 6.5 Database Roles
- 6.6 Ownership Chains
- 6.7 Linked Server Security
- 6.8 Encryption & Security Plan

## **Chapter 7 Working with Relational Data**

- 7.1 Transactions
- 7.2 Populating Tables
- 7.3 Bulk Inserting XML & Bulk-Logged Recovery Model
- 7.4 Supporting Different Collation Types and Orders When Querying Data
- 7.5 Casting and Converting
- 7.6 Datatype Precedence & Collations
- 7.7 Error Handling

## **Chapter 8 Working with XML Data**

- 8.1 XML Data, Datatypes & XML Schema
- 8.2 Querying XML Data
- 8.3 Creating XML Indexes

## **Chapter 9 Working with Service Broker and HTTP**

- 9.1 Service Broker
- 9.2 Working with Service Broker
- 9.3 Using Service Broker
- 9.4 HTTP Endpoints

## **Chapter 10 Maintaining and Automating SQL Server**

- 10.1 Maintaining Indexes
- 10.2 Maintaining Statistics
- 10.3 Maintaining Databases
- 10.4 Automation Basics
- 10.5 Configuring Database Mail
- 10.6 Creating Operators & Jobs
- 10.7 Creating Alerts
- 10.8 Maintenance Plan Wizard & Copying Databases

## **Chapter 11 Performing Backups and Restores**

- 11.1 Backup a Database
- 11.2 Restoring a Database
- 11.3 Devising a Backup Strategy

## **Chapter 12 Achieving High Availability through Replication**

- 12.1 Introducing Replication
- 12.2 Introducing the Publisher Subscriber Metaphor
- 12.3 Replication Factors and Distribution
- 12.4 Replication Internals



- 12.5 Replication Types
- 12.6 Publication & Distributor Issues
- 12.7 Replication Models
- 12.8 Replicating over the Internet and to Heterogeneous Database Servers
- 12.9 Installing, Using & Managing Replication

## **Chapter 13 Introducing More High-Availability Methods**

- 13.1 Choosing the High-Availability Features You Need
- 13.2 Database Mirroring Overview
- 13.3 Database Mirroring Implementation
- 13.4 Log Shipping
- 13.5 Database Snapshots

## **Chapter 14 Monitoring and Optimizing SQL Server 2005**

- 14.1 System Monitor
- 14.2 SQL Profiler & Database Engine Tuning Advisor
- 14.3 Troubleshooting SQL Server

## **70-431 SQL Server 2005 Labs**

### **Section-1 Labs**

- Lab 1.1 Installing SQL Server 2005
- Lab 1.2 Installing SQL Server 2005 Service Pack 2
- Lab 1.3 SQL Server Management Studio Overview
- Lab 1.4 Installing the 2nd Instance
- Lab 1.5 Exploring the SQL Server Management Studio
- Lab 1.6 Creating Tables

### **Section-2 Labs**

- Lab 2.1 Creating a Database using Management Studio
- Lab 2.2 Gathering Information about your Database

Lab 2.3      Setting Database Options

### **Section-3 Labs**

- Lab 3.1      Creating the Products Table
- Lab 3.2      Creating the Customers Table
- Lab 3.3      Creating the Orders Table
- Lab 3.4      Creating the Valid Zip Code Constraint
- Lab 3.5      Testing your Constraint
- Lab 3.6      Creating Default Constraint
- Lab 3.7      Creating a Unique Constraint
- Lab 3.8      Creating a Partition Function and Schema
- Lab 3.9      Creating the Contact\_in\_398 View
- Lab 3.10     Creating an Updatable View

### **Section-4 Labs**

- Lab 4.1      Creating a Table Scan
- Lab 4.2      Creating an Index
- Lab 4.3      Creating a Primary Key
- Lab 4.4      Creating a Full-Text Catalog & Index

### **Section-5 Labs**

- Lab 5.1      Viewing System Stored Procedures in Object Explorer
- Lab 5.2      Using Predefined Templates
- Lab 5.3      Creating a Simple Stored Procedure
- Lab 5.4      Creating a DDL Trigger
- Lab 5.5      Creating a Scalar User-Defined Function
- Lab 5.6      Creating a T-SQL User-Defined Type

### **Section-6 Labs**

- Lab 6.1      Setting the Authentication Mode
- Lab 6.2      Creating Standard Logins
- Lab 6.3      Creating Windows Accounts

- Lab 6.4 Creating SQL Server Logins for Windows Accounts
- Lab 6.5 Testing SQL Server Logins for Windows Accounts
- Lab 6.6 Adding Logins to Fixed Server Roles
- Lab 6.7 Creating User Accounts in AdventureWorks
- Lab 6.8 Statement and Object Permissions
- Lab 6.9 Adding Users to Fixed Database Roles
- Lab 6.10 Creating and Adding Users to Custom Database Roles
- Lab 6.11 Creating an Application Role

### **Section-7 Labs**

- Lab 7.1 bcp & sqlcmd parameters
- Lab 7.2 Bulk-Logged Recovery Model
- Lab 7.3 TRY...CATCH Block

### **Section-8 Labs**

- Lab 8.1 Reconstructing an Index
- Lab 8.2 Updating Index Statistics
- Lab 8.3 Using DBCC CHECKDB on AdventureWorks
- Lab 8.4 Shrinking the Database
- Lab 8.5 Configuring a Mailhost
- Lab 8.6 Configuring the SQL Server Agent to Use the Mailhost
- Lab 8.7 Configuring an Operator
- Lab 8.8 Creating a Fail-Safe Operator
- Lab 8.9 Creating a Job
- Lab 8.10 Creating an Alert for a Standard Error
- Lab 8.11 Testing an Alert with RAISEERROR()
- Lab 8.12 Creating and Firing an Alert Based on a Custom Error
- Lab 8.13 Creating a Performance Alert
- Lab 8.14 Creating a WMI Alert
- Lab 8.15 Maintenance Plan Wizard
- Lab 8.16 Copy Database Wizard

## **Section-9 Labs**

- Lab 9.1 Creating a Permanent Backup Device
- Lab 9.2 Performing a Full Backup
- Lab 9.3 Performing a Differential Backup
- Lab 9.4 Performing a Transaction Log Backup
- Lab 9.5 Performing a Filegroup Backup
- Lab 9.6 Backing Up to Multiple Devices
- Lab 9.7 Restoring a Database

## **Section-10 Labs**

- Lab 10.1 Installing a Distribution Server
- Lab 10.2 Creating a Publication
- Lab 10.3 Creating a Subscription
- Lab 10.4 Replication Monitor

## **Section-11 Labs**

- Lab 11.1 System Monitor
- Lab 11.2 Creating a Trace with Profiler
- Lab 11.3 Replaying a Trace
- Lab 11.4 Database Engine Tuning Advisor
- Lab 11.5 Reading SQL Server & Windows Event Logs
- Lab 11.6 Activity Monitor
- Lab 11.7 Connecting to the DAC

# Installing and Configuring ISA Server 2004/2006

## **Chapter 0 ISA Server 2004 ON-LINE HELP**

- 0.1 ISA Server 2004 ON-LINE HELP
- 0.2 ISA Server 2004 Web Site

## **Chapter 1 ISA Server 2004 Overview**

- 1.1 ISA Server Capabilities & Operation
- 1.2 ISA Server 2004 Editions and System Requirements
- 1.3 ISA Server Tools and Remote Administration
- 1.4 ISA Server as a Firewall
- 1.5 Comparing ISA 2004 to Other Firewall Products
- 1.6 ISA Server Deployment Scenarios

## **Chapter 2 Installing and Configuring ISA Server 2004 Standard**

- 2.1 Installing & Configuring ISA Server 2004 Std. Edition
- 2.2 Understanding Caching Concepts

## **Chapter 3 ISA Server 2004 Clients**

- 3.1 Overview of ISA Server 2004 Client Types
- 3.2 ISA Server 2004 Client Types
- 3.3 Using Infrastructure Servers

## **Chapter 4 Upgrading from ISA Server 2000**

- 4.1 Upgrading ISA Server 2004
- 4.2 Troubleshooting ISA Server Upgrades

## **Chapter 5 Monitoring and Reporting**

- 5.1 Monitoring and Reporting
- 5.2 Performance Monitor

## **Chapter 6 Configuring Toolbox Elements**

- 6.1 Configuring Toolbox Elements
- 6.2 Network Objects

## **Chapter 7 Configuring ISA Server Firewall Policy**

- 7.1 Configuring ISA Server Firewall Policy
- 7.2 System Policy
- 7.3 Overview of Firewall Policy
- 7.4 Access Rules
- 7.5 Web & Server Publishing
- 7.6 Troubleshooting FW Policy

## **Chapter 8 Configuring Multinetworking**

- 8.1 Multinetworking Overview
- 8.2 Working with Network Templates
- 8.3 Networks & Network Sets & Network Rules
- 8.4 Web & Firewall Chaining

## **Chapter 9 ISA Server Security and Administration**

- 9.1 Overview
- 9.2 Security Policy Administration

## **Chapter 10 Securing VPN Access**

- 10.1 Securing VPN Access
- 10.2 Site to Site VPN Configuration
- 10.3 VPN Quarantine

## **Chapter 11 Configuring Arrays**

- 11.0 Installing ISA Server 2004 Enterprise Edition
- 11.1 Configuring Arrays
- 11.2 Troubleshooting Array Configuration

## **Chapter 12 Enterprise and Array Policies**

- 12.1 Using Enterprise and Array Policies
- 12.2 Enterprise Policy Administration
- 12.3 Array Policy Administration

## **Chapter 13 Enterprise Technologies**

- 13.1 Enterprise Technologies and ISA Server 2004
- 13.2 Network Load Balancing

## **Chapter 14 ISA Server and Exchange Server 2003**

- 14.1 Configuring ISA Server with Exchange Server 2003
- 14.2 Remote Access for Exchange Clients

## **Chapter-15 ISA Server 2006 Enterprise Edition**

- 15.1 ISA Server 2006 System Requirements
- 15.2 ISA Server 2006 Editions Comparison
- 15.3 ISA Server 2006 New Features
- 15.4 65 ISA Server 2006 Key Features

## ISA Server Labs

Lab #1	ISA Server 2004 ON-LINE HELP
Lab #2	Installing & Configuring ISA Server 2004 Standard Edition
Lab #3	ISA Server 2004 Client Types
Lab #4	Monitoring and Reporting
Lab #5	Performance Monitor
Lab #6	Configuring Toolbox Elements
Lab #7	Network Objects
Lab #8	System Policy
Lab #9	Overview of Firewall Policy
Lab #10	Access Rules
Lab #11	Web & Server Publishing
Lab #12	Working with Network Templates
Lab #13	Networks & Network Sets & Network Rules
Lab #14	Web & Firewall Chaining
Lab #15	ISA Server Security and Administration Overview
Lab #16	Security Policy Administration
Lab #17	Securing VPN Access
Lab #18	Site to Site VPN Configuration
Lab #19	Installing ISA Server 2004 Enterprise Edition
Lab #20	Configuring Arrays
Lab #21	Enterprise Policy Administration
Lab #22	Enterprise Technologies and ISA Server 2004
Lab #23	Network Load Balancing
Lab #24	ISA Server 2006 System Requirements
Lab #25	ISA Server 2006 Editions Comparison
Lab #26	ISA Server 2006 New Features

## Utilities Folder

- Ebooks
- Exams (ISA, Exchange, SQL Servers)
- Glossary
- Tools