

70-662 – Deploying Microsoft Exchange Server 2010 Series!

Overview: The MCTS: Microsoft Exchange Server 2010 certification validates your skills in supporting for the maintenance and administration of the Exchange servers in an enterprise environment.

Course Modules:

Module 01 – Active Directory and Supporting Infrastructure

(Duration: 2h 2m)

1. Workbook (Pdf)
2. Active Directory and Supporting Infrastructure
3. Network Infrastructure
4. Active Directory
5. Active Directory Infrastructure
6. Active Directory Topology
7. Trust Relationships
8. Active Directory Components
9. Active Directory Components – Domains and Domain Tree
10. Active Directory Components – Forests
11. Active Directory Components – Trusts
12. Active Directory Components – Domain Controller
13. Active Directory Components – Global Catalog

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14. Active Directory Components – Sites
15. Active Directory Components – Replication
16. Active Directory Partition – Domain
17. Active Directory Partition – Configuration
18. Active Directory Partitions – Schema
19. Active Directory Partitions – Application
20. Active Directory Hierarchy
21. Demo – Prepare Active Directory
22. Network Based Services
23. DNS
24. Types of DNS Zones
25. DHCP
26. Time Servers
27. DNS Requirements for Exchange Server 2010
28. Preparing Active Directory for Exchange
29. Server 2010
30. Exchange Server 2010 Editions & Licensing
31. Server Roles in Exchange Server 2010
32. Server Roles – Expanded
33. Simple Organizations
34. Standard Organization Deployments
35. Complex Organization Deployment
36. Hardware Recommendations for Combining Server Roles
37. Integration with Exchange Online Services
38. Infrastructure Requirements for Exchange Server 2010
39. Hardware Requirements for Install
40. Installation Software Requirements
41. Process for Installing Exchange Server 2010
42. Demo
43. – Install Exchange Server
44. Demo
45. – Install a Second Exchange Server
46. Unattended Installation Options Demo – Install Exchange Server Updates
47. Chapter 01 Review
48. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 02-Mailbox Servers and Recipients

(Duration: 2h 51m)

1. Workbook (Pdf)
2. Mailbox Servers and Recipients
3. Exchange Management Console
4. Demo
5. – Exchange Management Console
6. Exchange Management Shell & PowerShell
7. Remote Windows PowerShell
8. Exchange Management Shell Cmdlets
9. Using Cmdlets Together
10. Demo
11. – Exchange Management Shell
12. EMS Examples
13. Exchange Control Panel (ECP)
14. Demo
15. – Exchange Control Panel
16. Initial Mailbox Configuration Tasks
17. Demo
18. – Configure Mailbox Management Options
19. Secure the Server
20. Create and Configure Database
21. Demo
22. – Create Mailbox and Public Folders
23. Configure Public Folders
24. Demo
25. – Public Folders
26. Demo
27. – Public Folder Toolbox
28. Configure Recipients
29. Configure the Offline Address Book
30. Database Key
31. – Points
32. Database File Types

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33. Mailbox Database Update Process
34. Storage Improvements
35. Options for Database Storage
36. Data Storage Options – Direct Attached Storage
37. Data Storage Options: Storage Area Networks
38. Public Folder Replication
39. How Clients Access Public Folders
40. Sharepoint Vs. Public Folders
41. Demo – Configuring Public Folder Replication
42. Public Folder Process for MAPI Clients
43. Exchange Recipients – User Mailboxes
44. Exchange Recipients – Resource Mailbox
45. Exchange Recipients – Mail Users
46. Exchange Recipients – Mail Contact
47. Exchange Recipients – Mail-Enabled Security and Distribution Groups
48. Types of Distribution Groups
49. Distribution Group Features
50. Some Options for Configuring Distribution Groups
51. Exchange Recipients – Linked Mailboxes
52. Moving Mailboxes
53. Resource Mailboxes
54. Booking Attendants
55. Designing Resource Booking Policies
56. Demo – Resource Mailbox
57. E-Mail Address Policies
58. Creating an E-mail Policy for Distribution Groups
59. Demo – E-mail Address Policies
60. Address Lists
61. Demo – Configuring Address Lists
62. Configuring Offline Address Books
63. Options for Deploying Offline Address Books
64. Distribution Options – Address Book
65. Chapter 02 Review
66. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 03 -Managing Client Access

(Duration: 1h 47m)

1. Workbook (Pdf)
2. Managing Client Access
3. Client Access Servers
4. Client Access Server Deployment Options
5. Deploy Client Access Servers
6. Demo – Configuring a Client Access Server
7. Securing a Client Access Server
8. Using Application Layer Firewall
9. Best Practices: Implementing Client Access Server Certificates
10. Demo – Configuring Certificates for Client Access Servers
11. POP3 and IMAP4 Options
12. Configuring the Client Access Server for Internet Access
13. Client Access Server Services for Outlook Clients
14. Autodiscover
15. Configuring Autodiscover
16. Availability Service
17. MailTips
18. Demo – Configuring MailTips
19. Outlook Anywhere
20. Demo – Enable Outlook Anywhere
21. Outlook Client Connectivity Troubleshooting
22. Outlook Web App
23. Configuration Options for Outlook Web App
24. File and Data Access for Outlook Web App
25. File and Data Access Configuration
26. Demo – Configure Outlook Web App
27. Exchange ActiveSync
28. Exchange ActiveSync Security Options
29. Chapter 03 Review
30. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 04 -Managing Message Transports

(Duration: 2h 23m)

1. Workbook (Pdf)
2. Managing Message Transports
3. SMTP
4. One-way SMTP Connections
5. Demo – SMTP Connectors
6. Changing Default Message Flow
7. Troubleshooting SMTP Message Delivery
8. SMTP E-Mail Security Options
9. Demo – Configuring SMTP Security
10. Domain Security
11. Domain Security Process
12. Domain Security Configuration
13. Demo – Configuring Domain Security
14. How S/MIME Works
15. Message Transport Components
16. Routing Messages Within an Exchange Organization: Message Sent
17. Routing Messages Within an Exchange Organization: Microsoft Exchange Mail Submission Service
18. Routing Messages Within an Exchange Organization: Store Driver
19. Routing Messages Within an Exchange Organization: Mail Delivery Within AD
20. Routing Messages Within an Exchange Organization: Mail Delivery to Internet
21. Shadow Redundancy – Transport Dumpster
22. Configuring Shadow Redundancy
23. Process for Configuring Hub Transport Servers
24. Options for Configuring Message Transport
25. Remote Domains
26. Demo
27. – Configuring Accepted and Remote Domains
28. Back Pressure
29. – System Monitoring
30. Back Pressure
31. Edge Transport Server Role

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32. Edge Transport Role
33. Edge Transport Server Role Infrastructure Requirements
34. AD LDS
35. Edge Synchronization
36. Cloned Configuration
37. Edge Transport Server Security
38. Antivirus Features
39. Forefront Protection 2010 for Exchange Server
40. Forefront Protection 2010 Options
41. Defense in Depth
42. Overview of Spam
43. -Filtering Features
44. How Exchange Server 2010 Applies Spam Filters
45. Sender ID Filtering
46. Sender Reputation Filtering Content Filtering
47. Demo
48. – Configuring Anti
49. -Spam Options
50. Chapter 04 Review
51. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 05 -Exchange Security

(Duration: 2h 58m)

1. Workbook (Pdf)
2. Exchange Security
3. Role Based Access Control (RBAC)
4. Role Based Access Control Options
5. Management Role Groups
6. Built
7. -In Management Role Groups
8. Demo
9. – Managing Permissions
10. Process for Configuring Custom Role Groups
11. Demo

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12. – Configuring Custom Role Groups
13. Management Role Assignment Policies
14. Working with Management Role Assignment Policies
15. Managing Permissions on Edge Transport Servers
16. Exchange Server Security Risks
17. Exchange Server Security Guidelines
18. Secure Internet Access Components
19. Designing Security – Client to Internet
20. Designing Security – Internal Network
21. Common Port Assignments for Firewall
22. Securing Client Access Traffic from the Internet
23. SMTP Connections
24. Reverse Proxy
25. Messaging Policy and Compliance
26. Governing Compliance
27. Compliance Examples
28. Exchange Messaging Policy and Compliance
29. Transport Rules – Hub Transport Server
30. Transport Rules – Edge Transport Server
31. Transport Rule Components – Conditions
32. Transport Rule Components – Actions
33. Transport Rule Components – Exceptions
34. Transport Rule Component – Predicates
35. Demo – Configuring Transport Users
36. Message Classifications
37. AD RMS
38. How AD RMS Works
39. Exchange Server 2010 Integration
40. Moderated Transport
41. Message Journaling – Messaging Records Management
42. Demo – Configuring Message Journaling
43. Considerations for Managing the Message Journal Mailbox
44. Multi-Mailbox Search
45. Demo – Configuring Multi-Mailbox Search
46. What Are Retention Tags and Retention Policies?
47. AutoTagging
48. Demo – Configuring Retention Tags and Policies
49. Managed Folders
50. Process for Deploying Managed Folders
51. Demo – Implementing Custom Folders

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52. Considerations for Implementing Messaging Records Management
53. Personal Archives in Exchange Server 2010
54. Demo – Configuring Personal Archives
55. Best Practices: Personal Archives
56. Chapter 05 Review
57. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 06 – Implementing High Availability

(Duration: 2h 28m)

1. Workbook (Pdf)
2. Implementing High Availability
3. High Availability
4. Types of Downtime
5. High Availability – Mailbox Servers
6. High Availability – Non-Mailbox Servers
7. Database Availability Group
8. Active Manager
9. Continuous Replication Process
10. DAG Database Protection
11. Exchange Server 2007 and 2010 Mailbox Availability Options
12. Create and Configure DAG
13. DAG Network
14. Demo – Creating and Configuring a DAG
15. Demo – DAG LAG
16. Transport Dumpster
17. Understanding the Failover Process
18. Client Access Servers – High Availability
19. Shadow Redundancy for Hub Transport Servers
20. Shadow Redundancy Manager (SRM)
21. Edge Transport Servers – High Availability
22. Disaster Mitigations Options (1/4)
23. Disaster Mitigations Options (2/4)
24. Disaster Mitigations Options (3/4)
25. Disaster Mitigations Options (4/4)

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26. Disaster Recovery: Mailbox Servers
27. Backup and Restore Scenarios
28. Backup in Exchange Server 2010 – Differences from Previous Versions
29. Backup Requirements for Exchange Server 2010
30. Backup Strategies
31. Volume Shadow Copy Service (VSS)
32. VSS Component Definitions
33. How to Pick a Backup Solution
34. Restore Strategies
35. Process for Recovering Data Using the Recovery Database
36. Dial-Tone Recovery
37. Process for Implementing Dial-Tone Recovery
38. Database Mobility
39. Recovering Exchange Servers
40. Performance Monitoring
41. Monitoring Exchange Server
42. Performance Counters for Exchange Server
43. Performance Counters for Mailbox Servers
44. Performance Counters for Hub and Edge Transport Servers
45. Performance Counters for Client Access Servers
46. Network and Performance Guidelines
47. Change Management
48. Software Updates vs. Hotfixes
49. Deploying Software Updates
50. Determining the Need for Hardware Upgrades
51. Process for Implementing Hardware Upgrades
52. Developing a Troubleshooting Methodology
53. Troubleshooting Tools
54. Chapter 06 Review
55. Course Closure
56. **Review Quiz (Number of attempts allowed: Unlimited)**

This course includes

- about 14.30 hours on-demand video
- 6 downloadable Pdf Workbooks
- Unlimited time access (During Membership)
- Access on mobile and Desktop
- Certificate of Completion

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