

Microsoft Exchange 2013 Ultimate Bootcamp

Your pathway to becoming a GREAT Exchange Administrator



Introduction

The Microsoft Exchange Server Ultimate Bootcamp will provide you with the knowledge and skills to plan, deploy, manage, secure, and support Microsoft Exchange Server 2013 in a physical or virtual environment. This course will provide guidelines, best practices, and practical considerations that will help you optimize performance, minimize errors and security threats in Exchange Server 2013. With over 60% of Exchange implementations running on VMware this is the only class in the world to present the ideal way to optimize Exchange to run in a VMware environment. This course will dive into VMware's best practices for running Exchange on VMware in this exciting, one-of-a-kind course delivered by an outstanding instructor.

Course Summary

Duration: 5-day Course

Software Vendor: Microsoft

Participants: IT Professionals

Technology: Microsoft Exchange Server 2013; VMware vSphere 5.5

Delivery Method: Instructor-led Online & Classroom

Certifications

Microsoft Exam 70-341A: Microsoft Exchange Server 2013, Core Solutions

Microsoft Exam 70-342: Microsoft Exchange Server 2013, Advanced Solutions

Labs are performed utilizing VMTraining's proprietary Labs Anytime® environment. Where labs are available 24 x 7 for up to 1 year following class

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| Lab 1: Connecting to the Lab Environment | Lab 22: Testing Performance using Monitoring tools |
| Lab 2: Prepare the Environment to Deploy Microsoft Exchange Server | Lab 23: Configuring Anti-Malware Options in Exchange Server 2013 |
| Lab 3: Install Exchange 2013 | Lab 24: Configuring Anti-Spam Options on Exchange Server |
| Lab 4: Verify the Exchange installation | Lab 25: Verifying Antimalware and Anti-Spam Configuration |
| Lab 5: Create Bulk Users and Mailboxes using the EMS | Lab 26: Configuring Sender Block, Recipient Block and Content Block |
| Lab 6: Configuring Mailbox Servers | Lab 27: Configuring Message Retention and Archiving |
| Lab 7: Configuring Storage on Mailbox Servers | Lab 28: Configuring In-Place Hold |
| Lab 8: Mailbox Enable an Existing user | Lab 29: Configuring eDiscovery |
| Lab 9: Configuring Users, Public Folders, Address Lists, Distribution Groups | Lab 30: Configuring Microsoft Exchange Server Permissions |
| Lab 10: Managing Recipients Using the Command Line | Lab 31: Configuring RBAC Split Permissions on Exchange Server 2013 |
| Lab 11: Import / Export PSTs | Lab 32: Configuring Audit Logging and Delegation |
| Lab 12: Installation of Certificate for the Client Access Server | Lab 33: Creating and Configuring a Database Availability Group (DAG) |
| Lab 13: Configuring Client Access Services Certificate Options | Lab 34: Managing Mailbox Database Copies |
| Lab 14: Configuring Custom MailTips | Lab 35: Deploying Microsoft NLB on the Client Access Servers |
| Lab 15: Configuring Microsoft Outlook Web App Offline Mail | Lab 36: Configuring NLB and Exchange Cluster |
| Lab 16: Configuring Microsoft Exchange ActiveSync | Lab 37: Maintaining Performance with Distributed Resource Scheduler (DRS) |
| Lab 17: Configuring Microsoft Outlook Web App policies | Lab 38: vSphere HA |
| Lab 18: Configuring Microsoft Outlook Web App and Outlook Anywhere | Lab 39: Backing up Exchange Server 2013 |
| Lab 19: Configuring Message Transport | Lab 40: Performing a Restore of Exchange Server 2013 |
| Lab 20: Configuring Transport Rules and Data-Loss Prevention Policies | Lab 41: Upgrading from Exchange 2010 to Exchange 2013 |
| Lab 21: Manage Microsoft Exchange Server | |

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Course Outline

1. Course Introduction and Methodology
2. Introduction to Microsoft Exchange Server
 - Topic 1: Evolution of Microsoft Exchange Server
 - Topic 2: Licensing Concepts
 - Topic 3: Exchange Server 2013
 - Topic 4: Discontinued Features
3. Designing Exchange 2013 and Roles for Exchange Server
 - Topic 1: Infrastructure Requirements for Exchange 2013
 - Topic 2: Active Directory Components and Exchange Server 2013 Integration
 - Topic 3: DNS server requirements for Exchange 2013
 - Topic 4: Networking in a Virtual Environment
4. Exchange Server 2013 Deployment
 - Topic 1: Prepare Infrastructure
 - Topic 2: Installation of Exchange Server 2013
 - Topic 3: Troubleshooting Installation
5. Administering Exchange Server 2013
 - Topic 1: Exchange Admin Center (EAC)
 - Topic 2: PowerShell and Exchange Management Shell (EMS)
 - Topic 3: Mailbox Management with OWA
 - Topic 4: Other Tools for Exchange 2013 Administration
6. Designing and Configuring Mailbox Servers
 - Topic 1: Overview of the Mailbox Server Role
 - Topic 2: Planning the Mailbox Server Deployment
 - Topic 3: Planning the Mailbox Server in a Virtual Environment
 - Topic 4: Configuring the Mailbox Servers
7. Managing Recipients
 - Topic 1: Exchange Server 2013 Recipients
 - Topic 2: Public Folders
 - Topic 3: Address Lists
 - Topic 4: Email Address Policies
 - Topic 5: Import / Export to PSTs
8. Designing and Configuring Client Access Servers
 - Topic 1: Client Access Servers (CAS) Overview
 - Topic 2: Configure CAS Role
 - Topic 3: CAS Role Services & Features
9. Designing and Configuring Messaging Client Connectivity
 - Topic 1: Outlook Web Application and Outlook Anywhere
 - Topic 2: Exchange ActiveSync
 - Topic 3: BlackBerry Enterprise Server (BES)
 - Topic 4: Connect non-Outlook clients to Client Access Server
 - Topic 5: Outlook Web App Policy
 - Topic 6: Configure Outlook Web App
 - Topic 7: Office Web Apps Server Integration
 - Topic 8: Outlook Web App Off-line Access
 - Topic 9: Mobile Device Management
10. Designing and Configuring Message Transport
 - Topic 1: Message Transport Services
 - Topic 2: Message Transport Components
 - Topic 3: Message Routing Change
 - Topic 4: Routing in Front End Transport Service
 - Topic 5: Routing in Destination and Delivery Groups
 - Topic 6: Routing in Mailbox Transport Service
 - Topic 7: Modify Default Message Flow
 - Topic 8: Mail Flow Settings
 - Topic 9: Accepted and Remote Domains
 - Topic 10: SMTP Connectors
 - Topic 11: Foreign Connectors
 - Topic 12: Transport Rules
 - Topic 13: Data Loss Prevention Policies
11. Managing Performance
 - Topic 1: Optimizing Resources in VMware
 - Topic 2: Monitoring Exchange Server
 - Topic 3: Monitoring Exchange Server Performance in VMware
 - Topic 4: Third Party Performance Monitoring Tools
12. Designing and Configuring Message Integrity
 - Topic 1: Define Messaging Security Requirements
 - Topic 2: Plan Client Access Server Security Options
 - Topic 3: Planning Restrictions to Message Flow
 - Topic 4: Exchange Server 2013 Spam-Filtering Features
 - Topic 5: Configure Sender ID and Recipient Filtering
 - Topic 6: Understanding the SCL in Exchange Server 2013
- Topic 7: Anti-Virus Solution Requirements
- Topic 8: Exchange Online Protection
- Topic 9: Third Party Spam Solutions
13. Message Retention and Compliance
 - Topic 1: In-Place Archiving
 - Topic 2: Message Retention
 - Topic 3: Data loss Prevention (DLP)
 - Topic 4: In-Place Hold
 - Topic 5: In-Place eDiscovery
14. Designing and Configuring Administrative Security and Auditing
 - Topic 1: Role Based Access Control (RBAC)
 - Topic 2: Exchange Server Split Permissions
 - Topic 3: Audit Logging
15. Planning and Implementing High Availability
 - Topic 1: Components of High Availability
 - Topic 2: Design of Database Availability Groups
 - Topic 3: DAGs and High Availability
 - Topic 4: Client Access Server High Availability
 - Topic 5: Edge Transport Server High Availability
 - Topic 6: VMware High Availability (HA)
16. Designing and Implementing Backup and Restore
 - Topic 1: Backup Overview
 - Topic 2: Volume Shadow Copy Service (VSS) backup
 - Topic 3: Exchange Server Backup Software and Backup Media
 - Topic 4: Windows Server Backup
 - Topic 5: Windows Server Restore
 - Topic 6: Third Party Backup Programs
17. Disaster Recovery, Data Loss and Site Resiliency
 - Topic 1: Data Loss Scenarios
 - Topic 2: Data Loss Mitigation
 - Topic 3: Options to Recover Exchange Server 2013
 - Topic 4: Timelines for Disaster Recovery
 - Topic 5: Site Resiliency in Exchange Server 2013
 - Topic 6: Planning a Site Resilient Implementation
 - Topic 7: Implementing Site Resiliency
 - Topic 8: Site Recovery Manager (SRM)
18. Migrate and Upgrade for Exchange 2013
 - Topic 1: Migrate and Upgrade to Exchange 2013
 - Topic 2: Migrate Public Folders to Exchange 2013
 - Topic 3: 3rd Party Migration Tools