

Microsoft Exchange 2013 Ultimate Bootcamp

Your pathway to becoming a GREAT Exchange Administrator



Introduction

Exchange 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

Lab 1: Connecting to the Lab Environment

Lab 2: Prepare the Environment to Deploy Microsoft Exchange Server.

Lab 3: Install Exchange 2013.

Lab 4: Verify the Exchange installation.

Lab 5: Create Bulk Users and Mailboxes using the EMS.

Lab 6: Configuring Mailbox Servers

Lab 7: Configuring Storage on Mailbox Servers

Lab 8: Mailbox Enable an Existing user.

Lab 9: Configuring Users, Public Folders, Address Lists, Distribution Groups

Lab 10: Managing Recipients Using the Command Line.

Lab 11: Import / Export PSTs

Lab 12: Installation of Certificate for the Client Access Server.

Lab 13: Configuring Client Access Services Certificate Options

Lab 14: Configuring Custom MailTips

Lab 15: Configuring Microsoft Outlook Web App Offline Mail

Lab 16: Configuring Microsoft Exchange ActiveSync.

Lab 17: Configuring Microsoft Outlook Web App policies

Lab 18: Configuring Microsoft Outlook Web App and Outlook Anywhere.

Lab 19: Configuring Message Transport

Lab 20: Configuring Transport Rules and Data-Loss Prevention Policies

Lab 21: Manage Microsoft Exchange Server.

Lab 22: Testing Performance using Monitoring tools

Lab 23: Configuring Anti-Malware Options in Exchange Server 2013.

Lab 24: Configuring Anti-Spam Options on Exchange Server.

Lab 25: Verifying Antimalware and Anti-Spam Configuration.

Lab 26: Configuring Sender Block, Recipient Block and Content Block.

Lab 27: Configuring Message Retention and Archiving

Lab 28: Configuring In-Place Hold.

Lab 29: Configuring eDiscovery.

Lab 30: Configuring Microsoft Exchange Server Permissions

Lab 31: Configuring RBAC Split Permissions on Exchange Server 2013.

Lab 32: Configuring Audit Logging and Delegation.

Lab 33: Creating and Configuring a Database Availability Group (DAG)

Lab 34: Managing Mailbox Database Copies

Lab 35: Deploying Microsoft NLB on the Client Access Servers

Lab 36: Configuring NLB and Exchange Cluster.

Lab 37: Maintaining Performance with Distributed Resource Scheduler (DRS)

Lab 38: vSphere HA.

Lab 39: Backing up Exchange Server 2013.

Lab 40: Performing a Restore of Exchange Server 2013.

Lab 41: Upgrading from Exchange 2010 to Exchange 2013.

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