



Exchange Server

EXCH600: Microsoft Exchange Server 2016/2013 Ultimate Bootcamp

Learn how to plan, deploy, secure and manage Exchange Server 2016/2013 both in a physical environment and in virtual environments with VMware vSphere in this 5-day hands-on comprehensive bootcamp course. This live class is available virtually with [Remotelive™](#) or locally at our Phoenix, AZ location.

\$3,595.00

- 5 Days
- Prepares for Microsoft Certification Exams: 70-341A: Core Solutions, 70-342: Advanced Solutions

Upcoming Dates

Course Description

The Microsoft Exchange Server Ultimate Bootcamp will provide you with the knowledge and skills to plan, deploy, manage, secure, and support Microsoft Exchange Server 2016/2013 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 2016/2013. With most of the Exchange implementations running in a virtualized environment, this is the only class in the world to present the ideal way to optimize Exchange to run in VMware and HyperV environments. This course will dive into the best-practices for running virtualized Exchange in this exciting, one-of-a-kind course delivered by an outstanding instructor.

Course Outline

1. Course Introduction and Methodology

2. Introduction to Microsoft Exchange Server

- Evolution of Microsoft Exchange Server
- Licensing Concepts
- Exchange Server 2016/2013
- Discontinued Features

3. Designing Exchange 2016/2013 and Roles for Exchange Server

- Infrastructure Requirements for Exchange 2016/2013
- Active Directory Components and Exchange Server 2016/2013 Integration
- DNS server requirements for Exchange 2016/2013
- Networking in a Virtual Environment

4. Exchange Server 2016/2013 Deployment

- Prepare Infrastructure
- Installation of Exchange Server 2016/2013
- Troubleshooting Installation

5. Administering Exchange Server 2016/2013

- Exchange Admin Center (EAC)
- PowerShell and Exchange Management Shell (EMS)
- Mailbox Management with OWA
- Other Tools for Exchange 2016/2013 Administration

6. Designing and Configuring Mailbox Servers

- Overview of the Mailbox Server Role
- Planning the Mailbox Server Deployment
- Planning the Mailbox Server in a Virtual Environment
- Configuring the Mailbox Servers

7. Managing Recipients

- Exchange Server 2016/2013 Recipients
- Public Folders
- Address Lists
- Email Address Policies
- Import / Export to PSTs

8. Designing and Configuring Client Access Servers

- Client Access Servers (CAS) Overview
- Configure CAS Role
- CAS Role Services & Features

9. Designing and Configuring Messaging Client Connectivity

- Outlook Web Application and Outlook Anywhere
- Exchange ActiveSync
- BlackBerry Enterprise Server (BES)
- Connect non-Outlook clients to Client Access Server
- Outlook Web App Policy
- Configure Outlook Web App
- Office Web Apps Server Integration
- Outlook Web App Off-line Access
- Mobile Device Management

10. Designing and Configuring Message Transport

- Message Transport Services
- Message Transport Components
- Message Routing Change
- Routing in Front End Transport Service
- Routing in Destination and Delivery Groups
- Routing in Mailbox Transport Service
- Modify Default Message Flow
- Mail Flow Settings
- Accepted and Remote Domains
- SMTP Connectors
- Foreign Connectors
- Transport Rules

- Data Loss Prevention Policies

11. Managing Performance

- Optimizing Resources in VMware
- Monitoring Exchange Server
- Monitoring Exchange Server Performance in VMware
- Third Party Performance Monitoring Tools

12. Designing and Configuring Message Integrity

- Define Messaging Security Requirements
- Plan Client Access Server Security Options
- Planning Restrictions to Message Flow
- Exchange Server 2016/2013 Spam-Filtering Features
- Configure Sender ID and Recipient Filtering
- Understanding the SCL in Exchange Server 2016/2013
- Anti-Virus Solution Requirements
- Exchange Online Protection
- Third Party Spam Solutions

13. Message Retention and Compliance

- In-Place Archiving
- Message Retention
- Data loss Prevention (DLP)
- In-Place Hold
- In-Place eDiscovery

14. Designing and Configuring Administrative Security and Auditing

- Role Based Access Control (RBAC)
- Exchange Server Split Permissions
- Audit Logging

15. Planning and Implementing High Availability

- Components of High Availability
- Design of Database Availability Groups
- DAGs and High Availability
- Client Access Server High Availability
- Edge Transport Server High Availability
- VMware High Availability (HA)

16. Designing and Implementing Backup and Restore

- Backup Overview
- Volume Shadow Copy Service (VSS) backup
- Exchange Server Backup Software and Backup Media
- Windows Server Backup
- Windows Server Restore
- Third Party Backup Programs

17. Disaster Recovery, Data Loss and Site Resiliency

- Data Loss Scenarios
- Data Loss Mitigation
- Options to Recover Exchange Server 2016/2013
- Timelines for Disaster Recovery
- Site Resiliency in Exchange Server 2016/2013
- Planning a Site Resilient Implementation
- Implementing Site Resiliency
- Site Recovery Manager (SRM)

18. Migrate and Upgrade for Exchange 2016/2013

- Migrate and Upgrade to Exchange 2016/2013
- Migrate Public Folders to Exchange 2016/2013
- 3rd Party Migration Tool

Audience

This course is intended for Exchange Server Administrators and IT Professionals who want to optimize their Exchange Server 2016/2013 implementations in a physical and a virtualized VMware or HyperV environment.

Prerequisites

Before attending this class, students should have:

- Minimum of two years of experience administering Windows Server, including
- Windows Server 2008 R2 or Windows Server 2012
- Minimum of two years of experience working with Active Directory Domain Services (AD DS)
- Minimum of two years of experience working with name resolution, including DNS
- Experience working with certificates, including PKI certificates

What You Will Learn

After completing this course, you will understand:

- Configuring Client Access Services Certificate Options
- Custom MailTips
- Microsoft Outlook Web App Offline Mail
- Microsoft Exchange ActiveSync
- Outlook Web App policies and Outlook Anywhere
- Message Transport
- Configuring Transport Rules and Data-Loss Prevention Policies
- Testing Performance using Monitoring tools
- Anti-Malware Options in Exchange Server 2016/2013
- Configuring Sender Block, Recipient Block and Content Block
- Message Retention and Archiving
- In-Place Hold and eDiscovery
- Configuring RBAC Split Permissions on Exchange Server 2016/2013
- Audit Logging and Delegation
- Creating and Configuring a Database Availability Group (DAG)
- Managing Mailbox Database Copies
- Deploying Microsoft NLB on the Client Access Servers
- Maintaining Performance with Distributed Resource Scheduler (DRS)
- vSphere HA
- Backing up Exchange Server 2016/2013
- Performing a Restore of Exchange Server 2016/2013

- Upgrading from Exchange 2010 to Exchange 2016