

WorkshopPLUS: Exchange Server Administration and Troubleshooting



WorkshopPLUS

This workshop will provide participants with the necessary knowledge to administer and troubleshoot Exchange Server 2016.

Target Audience:

This course is an advanced course for Exchange Server 2016. It is targeted at IT personnel who have designed, deployed, administered, and managed an Exchange Server 2010 or 2013 infrastructure for at least one full year.

Overview

The Exchange Server Administration and Troubleshooting WorkshopPLUS course is a three-day course that provides participants with the knowledge and skills necessary to effectively Administrate and Troubleshoot Exchange Server 2016.

The workshop includes extensive hands-on labs covering the different administrative options with both PowerShell and the GUI interfaces. Extensive troubleshooting techniques and tools are presented throughout the workshop.

This three-day WorkshopPLUS contains 300 and 400 level content.

Key Features and Benefits

The workshopPLUS is organized into modules and is designed to provide participants with in-depth knowledge and hands-on experience to help administrate and troubleshoot Exchange Server 2016.

Technical Highlights

After completing this course, you will be able to:

- Identify new features, updated designs, and underlining fundamental processes within Exchange Server 2016.
- Understand effective administrative tasks leveraging Exchange Management Shell and the Exchange Administration Center.
- Troubleshoot common issues within Exchange Server 2016.

Syllabus

Hardware

Requirements:

To participate in the course, each student needs to have access to a workstation that meets or exceeds the following minimum hardware and software requirements:

- *One Windows Server 2012R2 or Windows 10 workstation with Hyper-V*
- *Quad core AMD/Intel processor with virtualization extensions*
- *24-GB RAM (or more)*

If you are attending an Open Enrollment course, the hardware will be provided for you.

Contact your TAM if the necessary hardware needs to be provided.

If you are coordinating a dedicated delivery for your organization and require hardware, or are interested in having the virtual environment hosted in the cloud, contact your TAM for more information.

Module 1: Architecture: This module provides a brief overview of the new design changes within Exchange Server 2016.

Module 2: Hybrid: This module briefly discusses the hybrid setup with O365 using Exchange Server 2016.

Module 3: Administration: This module provides insight into the administration of an Exchange Server 2016 environment.

Module 4: Recipient Management: This module looks at the different types of recipients within in Exchange and guidance to managing and troubleshooting recipient issues.

Module 5: Client Access: A look at how the client access process is updated within Exchange Server 2016 including load balance and network design options.

Module 6: Outlook: This module explains in detail how the Outlook client accesses Exchange Server 2016. Also discussed is information of MAPI over HTTP and several troubleshooting tools and guidelines.

Module 7: Compliance and Search: This module explains the features and process of how search has changed and detailed information on compliance features and process within Exchange Server 2016.

Module 8: Offline Address Book: This module examines the current OAB structure for Exchange Server 2016.

Module 9: Mail flow: This module details the entire mail flow process: receive connectors, send connectors, front end and back end transport, safety net, shadow message redundancy, and the how to trace and troubleshoot messages within an Exchange 2016 environment.

Module 10: Managed Store - DAG: This module covers the updated managed store processes, DAG changes, and troubleshooting knowledge.

Module 11: Work Load Management and Managed Availability: A detailed look into the process of what WLM and MA are and how they work to provide an optimal experience to end users while maintaining a healthy Exchange 2016 Server environment.

Module 12: Public Folders: A brief look at the current Public Folder structure with management and troubleshooting materials.

Module 13: Virtualization - Azure: This module discusses key considerations for deploying Exchange Server 2016 in a virtual environment both on premises and in the cloud.