



Implementing and Managing Windows 10

Course 10984A 3 Days Instructor-led, Hands-on

Course Description

This is a 3-day ILT course that targets the needs of IT professionals who take part in administering, configuring, and operating Office 365 services in hybrid environments, where part of the infrastructure is hosted on-premises. This course also includes management of identities, authentication, and supporting technologies for Office 365. This course focuses on the skills required to administer and troubleshoot an Office 365 tenant, and key services of Office 365 such as Exchange Online, SharePoint Online, and Skype for Business, as well services such as Azure Multi-Factor Authentication (MFA), Azure Active Directory Identity Protection, and Azure Active Directory Privileged Identity Management. All these services are covered from the hybrid aspect. This course provides knowledge on how to use Office 365 services for both cloud and on-premises resources.

The audience for this course includes IT professionals and system administrators who want to learn how to implement and maintain Office 365 in hybrid scenarios, where one part of collaboration infrastructure is located on-premises and integrated with Office 365 services. These professionals should have at least 3 years of experience working in their respective fields—specifically, previous knowledge about Exchange Server, SharePoint Server, and Skype for Business Server (for example, Lync server) is expected. Students who attend this course are also expected to have a fairly broad understanding of Office 365 services administration in general as well as several on-premises technologies such as DNS and AD DS.

Course Objectives

At the end of the course, attendees will be able to:

- Describe Office 365 administration and licensing.
- Deploy and configure directory synchronization.
- Plan an Exchange Server hybrid deployment.
- Perform an Exchange Server hybrid deployment.
- Deploy Skype for Business in a hybrid deployment.
- Deploy SharePoint and OneDrive for Business in a hybrid environment.
- Deploy additional Office 365 services in a hybrid deployment.
- Deploy various authentication methods in a hybrid Office 365 deployment.

Prerequisites

Before attending this course, students must have:

- Knowledge of networking fundamentals, including TCP/IP, User Datagram Protocol (UDP), and DNS.

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- Knowledge of Active Directory Domain Services (AD DS) principles, and fundamentals of AD DS management.
- Understanding of certificate-based security.
- Understanding of Windows Server 2008 or Windows Server 2012 fundamentals.
- Understanding of Windows client operating system essentials, such as a working knowledge of Windows Vista, Windows 7, or Windows 8

Course Outline

Module 1: Introduction to Office 365 administration and licensing

This module describes Office 365, its administration tools, and licensing options.

Lessons

Overview of Office 365

Office 365 administration and role delegation

Office 365 tenant configuration

Hybrid deployment general overview

Lab : Provisioning and configuring an Office 365 tenant

Configuring an Office 365 trial tenant

Configuring a Custom Domain

Exploring Office 365 admin interfaces

After completing this module, you will be able to:

Describe the features of Office 365.

Administer and delegate roles in Office 365.

Configure Office 365 tenants.

Describe the concept of a hybrid deployment.

Module 2: Deploying and configuring directory synchronization

This module explains how to describe and configure directory synchronization in an Office 365 deployment.

Lessons

Directory synchronization and authentication overview

Azure AD Connect deployment and configuration

Managing user and group objects in an Office 365 hybrid environment

Lab : Administering directory synchronization, users, and groups in an Office 365 hybrid environment

Preparing the directory and configuring Azure AD Connect

Managing Office 365 users and groups with GUI and Windows PowerShell

Managing Office 365 password policies

After completing this module, you will be able to:

Describe directory synchronization and authentication.

Deploy and configure Azure AD Connect.

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Manage user and group objects in an Office 365 hybrid environment.

Module 3: Exchange Server hybrid deployment planning

This module explains how to plan hybrid configuration with Exchange Server and Exchange Online.

Lessons

Exchange Online overview
Exchange Server hybrid configuration options and deployment features
Exchange Server services in the hybrid deployment

Lab : Planning and designing the integration between Exchange Online and Exchange Server 2016

Designing an Exchange hybrid deployment
Discussing a solution and reviewing the Exchange Online setup

After completing this module, you will be able to:

Describe Exchange Online.
Describe the Exchange Server hybrid configuration options and deployment features.
Describe the Exchange Server services in a hybrid deployment.

Module 4: Exchange Server hybrid deployment

This module explains how to perform Exchange server hybrid configuration deployment.

Lessons

Using the Hybrid Configuration Wizard
Managing and configuring the Exchange hybrid deployment
Implementing advanced functionality for hybrid deployments
Configuring message compliance and hygiene in hybrid environment

Lab : Implementing the Exchange Server hybrid deployment

Using the Hybrid Configuration Wizard
Moving mailboxes between Exchange on-premises and Exchange Online
Configuring message compliance and security in the hybrid environment

After completing this module, you will be able to:

Use the Hybrid Configuration Wizard.
Manage and configure the Exchange hybrid deployment.
Implement advanced functionality for hybrid deployments.
Configure message compliance and hygiene in a hybrid environment.

Module 5: Skype for Business hybrid deployment

This module explains how to deploy Skype for Business in a hybrid deployment.

Lessons

Overview of Skype for Business Online and Microsoft Teams
Preparing for the hybrid Skype for Business deployment
Configuring the Skype for Business hybrid environment

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Using the Skype for Business hybrid configuration with Phone System

Lab : Implementing the Skype for Business hybrid configuration

Designing and implementing a Skype for Business hybrid configuration

Moving users to Skype for Business Online

Enabling Office 365 Phone system

After completing this module, you will be able to:

Describe Skype for Business Online and Microsoft Teams.

Prepare for the hybrid Skype for Business deployment.

Configure the Skype for Business hybrid environment.

Use the Skype for Business hybrid configuration with Phone System.

Module 6: SharePoint and OneDrive for Business hybrid deployment

This module explains how to deploy SharePoint and OneDrive for business in hybrid environment.

Lessons

Overview of SharePoint Online

Planning for a SharePoint hybrid deployment

Deploying the SharePoint hybrid configuration

Configuring SharePoint services in a hybrid configuration

Lab : Implementing SharePoint and OneDrive for Business in a hybrid configuration

Designing and preparing SharePoint Server for a hybrid configuration

Deploying SharePoint services in a hybrid configuration

Validating the SharePoint services functionality in a hybrid configuration

After completing this module, you will be able to:

Describe SharePoint Online.

Plan for a SharePoint hybrid deployment.

Deploy the SharePoint hybrid configuration.

Configure SharePoint services in a hybrid configuration.

Module 7: Deploying additional Office 365 services in a hybrid deployment

This module explains how to deploy Azure MFA, Identity Protection and Azure Information Protection.

Lessons

Implementing Multi-Factor Authentication in a hybrid scenario

Implementing Azure Information Protection

Implementing Identity Protection and Azure AD

Privileged Identity Management

Lab : Configuring additional Office 365 services in hybrid deployments

Implementing MFA

Implementing Azure Information Protection

Implementing Azure AD Privileged Identity Management

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After completing this module, you will be able to:

Implement Multi-Factor Authentication in a hybrid scenario.

Implement Azure Information Protection.

Implement Identity Protection and Azure AD Privilege Identity Management.

Module 8: Authentication options in hybrid deployments

This module explains how to deploy various authentication methods in a hybrid Office 365 deployment.

Lessons

Planning authentication options in Office 365

Deploying AD FS for SSO

Deploying pass-through authentication for SSO

Lab : Implementing authentication solutions in hybrid deployments

Deploying AD FS for SSO

Deploying pass-through authentication for SSO

After completing this module, you will be able to:

Plan authentication options in Office 365.

Deploy AD FS for SSO.

Deploy pass-through authentication for SSO.