

Building Applications and Solutions with Microsoft 365 Core Services (MS-600T00)

This course covers five central elements of Microsoft 365 platform – implementing Microsoft Identity, working with Microsoft Graph, extending and customizing SharePoint, extending Teams, and extending Office.

GK# 100752

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COURSE OUTLINE

Module 1: Implement Microsoft Identity

In this module, you will learn to implement Microsoft identity including registering an application, implanting authentication, configuring permissions to consume an API, and creating a service to access Microsoft Graph.

Lessons

- Microsoft Identity platform
- Register an Application
- Implement Authentication
- Configure Permissions to consume an API
- Implement Authorization to consume an API
- Implement Authorization in an API
- Create a Service to access Microsoft Graph

After completing this module, students will be able to:

- Register an application in Azure AD
- Implement authentication
- Configure permissions to consume an API
- Create a service to access Microsoft Graph

Module 2: Work with Microsoft Graph

In this module you will learn how to access user data, explore query parameters, manage a group lifecycle, access files, and optimize network traffic using Microsoft Graph.

Lessons

- What is Microsoft Graph
- Access user data from Microsoft Graph
- Data usage with query parameters
- Manage a group lifecycle on Microsoft Graph
- Access files with Microsoft Graph
- Optimize network traffic

After completing this module, students will be able to:

- Access user data with Microsoft Graph
- Work with data using queries on Microsoft Graph
- Manage a group lifecycle on Microsoft Graph
- Optimize network traffic using Microsoft Graph

Module 3: Extend and Customize SharePoint

Module 3: Extend and Customize SharePoint

In this module you will learn about SharePoint Framework web parts, extensions, and how to package and deploy a SPFx solution

Lessons

- SharePoint Framework web parts
- SharePoint Framework extensions
- Package and deploy a SPFx solution
- Consumption of Microsoft Graph
- Consumption of 3rd party APIs secured with Azure AD from within SPFx
- Web Parts as Teams Tabs
- Branding and theming in SharePoint

After completing this module, students will be able to:

- Package and deploy a SharePoint Framework solution
- Utilize consumption of Microsoft Graph
- Work with web parts as Team Tabs

Module 4: Extend Teams

In this module you will look at the components of a Teams App, work with webhooks, tabs, and conversational bots.

Lessons

- Microsoft Teams App
- Webhooks in Microsoft Teams
- Tabs in Microsoft Teams
- Messaging extensions in Microsoft Teams
- Conversational bots in Microsoft Teams

After completing this module, students will be able to:

- Recognize the components of a Teams App
- Work with webhooks in Microsoft Teams
- Create tabs in Microsoft Teams
- Create and register outgoing webhooks

Module 5: Extend Office

In this module you will work with Office Add-ins, task pane add-ins, JavaScript APIs, Office UI Fabric, and actionable messages with adaptive cards.

Lessons

- Office Add-ins
- Office JS APIs
- Customization of Add-ins
- Testing, debugging, and deployment options
- Actionable message

After completing this module, students will be able to:

- Understanding fundamental components and types of Office Add-ins
- Understanding Office JavaScript APIs
- Understanding customization of Add-ins
- Understanding actionable messages

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LABS

Lab : Implement Microsoft Identity

- Registering an application in azure active directory
- Implementing Authentication
- Configuring permission to consume an API
- Implementing authorization to consume an API
- Implementing authorization in an API
- Creating a service to access Microsoft Graph

Lab : Work with Microsoft Graph

- Querying User Data from the Microsoft Graph
- Using Query Parameters when querying Microsoft Graph via HTTP
- Retrieving and controlling information returned from Microsoft Graph
- Creating an Office 365 Group and Team
- Uploading files to OneDrive and SharePoint
- Using Change Notifications and Track Changes with Microsoft Graph
- Reducing traffic with batched requests
- Understanding throttling in Microsoft Graph

Lab : Extend and Customize SharePoint

- Introduction to SharePoint Framework (SPFx)
- Working with the web part property pane
- **Creating SharePoint Framework Extensions**
- Creating a Command Set Extension

- Creating a Field Customizer Extension
- Deploying a SharePoint Framework Solution
- Calling Azure AD Protected 3rd Party REST APIs
- Deploying SPFx Solutions to Microsoft Teams

Lab : Extend Teams

- Understanding the components of a Teams App
- Working with webhooks in Microsoft Teams
- Creating tabs in Microsoft Teams
- Understanding messaging extensions
- Understanding conversational bots

Lab : Extend Office

- Understanding fundamental components and types of Office Add-ins
- Understanding Office JavaScript APIs
- Understanding customization of Add-ins
- Understanding actionable messages

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