



TEMARIO

MS-600T00-A: Building applications and solutions with Microsoft 365 core services

Course MS-600T00-A: Building applications and solutions with Microsoft 365 core services (5 days)

OVERVIEW

About this course

This course covers five core elements of the Microsoft 365 platform: deploying Microsoft Identity, working with Microsoft Graph, extending and customizing SharePoint, extending Teams, and extending Office. In this course, students will learn how to implement Microsoft Identity and work with Microsoft Graph. Students will also gain knowledge about user interface elements (including adaptive cards and user interface fabric), integration points (including Microsoft teams, Office add-ins, SharePoint framework, actionable messages) and determining the goals of the workload platform. By implementing Microsoft Identity, students will learn to implement Microsoft identity, including registering an application, the implementation of authentication, the configuration of permissions to consume an API and the creation of a service to access Microsoft Graph. By working with Microsoft Graph, students will learn how to access user data, explore query parameters, manage a group's life cycle, access files, and optimize network traffic with Microsoft Graph. By extending and customizing SharePoint, students will learn about web parts, SharePoint Framework extensions, and how to package and deploy an SPFx solution. By extending Teams, students will see the components of a Teams app, work with webhooks, tabs, and conversational bots. By extending Office, students work with Office Plugins, Task Pane Plugins, JavaScript APIs,

Audience profile

Students in this course are interested in the Microsoft 365 development platform or in passing the Microsoft 365 Developer Associate certification exam. Students must also have 1 to 2 years of developer experience. This course assumes that students know how to code and have a basic understanding of REST, JSON, OAuth2, OData, OpenID Connect APIs, Microsoft identities including Azure AD and Microsoft accounts, Azure AD B2C, and permission / consent concepts.

At course completion

- Implement Microsoft identity
- Work with Microsoft Graph
- Determination of the objectives of the workload platform
- Integration points, including Microsoft teams, Office add-ins, and SharePoint Framework

Prerequisites

Students must have 1-2 years of developer experience. This course assumes that students know how to code and have a basic understanding of REST, JSON, OAuth2, OData, OpenID Connect APIs, Microsoft identities including Azure AD and Microsoft accounts, Azure AD B2C, and permission / consent concepts.

It is recommended that students have some experience in developing solutions on Microsoft teams, Office add-ins, or SharePoint Framework in all phases of software development.

Duracion	Examen	PDU	Requisitos	Idioma
5 días	No Incluido	No Aplica PDU	Ver Prerrequisitos	Ingles

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Module 1: Implement Microsoft Identity

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

Lessons

- Microsoft identity platform
- Register an application
- Implement authentication
- Set permissions to consume an API
- Implement permissions to consume an API
- Implement authorization in an API
- Create a service to access Microsoft Graph

Lab: Implement Microsoft Identity

- Register an app in Azure active directory
- Implement Authentication
- Set 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, you will be able to:

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

Module 2: Working with Microsoft Graph

In this module, you will learn how to access user data, explore query parameters, manage a group's life cycle, access files, and optimize network traffic with Microsoft Graph.

Lessons

- What is Microsoft Graph
- Access user data from Microsoft Graph
- Use of data with query parameters
- Manage a group lifecycle in Microsoft Graph
- Access files with Microsoft Graph
- Optimize network traffic

Lab: Working with Microsoft Graph

- Querying Microsoft Graph user data
- Use query parameters when querying Microsoft Graph via HTTP
- Retrieve and control information returned from Microsoft Graph
- Create an Office 365 team and group
- Upload files to OneDrive and SharePoint
- Use change notifications and change tracking with Microsoft Graph
- Reduce traffic with batch requests
- Understand the limitation in Microsoft Graph

After completing this module, you will be able to:

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

Module 3: Extending and Customizing SharePoint

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

Lessons

- SharePoint Framework Web Parts
- SharePoint Framework extensions
- Package and implement an SPFx solution
- Microsoft Graph consumption
- Consumption of third-party APIs secured with Azure AD from SPFx
- Web Part Tabs as Computers
- Branding and themes customization in SharePoint

Lab: Extending and customizing SharePoint

- Introduction to SharePoint Framework (SPFx)
- Work with the web part properties panel
- Create SharePoint Framework extensions
- Create a command set extension
- Create a field customizer extension
- Deploy a SharePoint Framework solution
- Call Azure AD Protected Third Party REST APIs
- Deploy SPFx solutions on Microsoft computers

After completing this module, you will be able to:

- Package and deploy a SharePoint Framework solution
- Use Microsoft Graph consumption
- Work with web parts like team tabs

Module 4: Extending Equipment

In this module, you will see the components of a team application, you will work with webhooks, tabs and chat bots.

Lessons

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

Lab: Extending equipment

- Understand the components of a Teams application
- Working with webhooks in Microsoft Teams
- Create tabs in Microsoft Teams
- Understand messaging extensions
- Understand conversational bots

After completing this module, you 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 outbound webhooks

Module 5: Extending Office

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

Lessons

- Office plugins
- Office JS APIs
- Plugin customization
- Testing, debugging, and deployment options
- Message requiring action

Lab: Extend Office

- Understand the fundamental components and types of Office add-ins
- Understand the Office JavaScript APIs
- Understand plugin customization
- Understand messages that require action

After completing this module, students will be able to:

- Understand the fundamental components and types of Office add-ins
- Understand the Office JavaScript APIs
- Understand plugin customization
- Understand messages that require action