



cloudthat



Microsoft

EXAM MS-600: BUILDING APPLICATIONS & SOLUTIONS WITH MICROSOFT 365 CORE SERVICES



Course Level:

Intermediate

Course Duration:

5 Days

Course Overview:

This five-day MS-600 Building Applications and Solutions with Microsoft 365 Core Services certification training course from CloudThat learn how to build, design, test, and maintain applications and solutions using the Microsoft 365 platform to address organizations' productivity and collaboration needs.

Candidates for this exam MS-600 should be proficient in Microsoft Graph, Microsoft identity, and building apps for Microsoft Teams. They should have general knowledge on integration points (including Office Add-ins, SharePoint Framework, Actionable Messages), UI elements (including Fluent UI (Office UI Fabric) and determining workload platform targets.



Prerequisites

1. Experience in Microsoft Teams, Office or Sharepoint.
2. Basic understanding on REST APIs, JSON, OAuth2, OData, OpenID Connect, Microsoft identities (including Azure AD and Microsoft accounts), Azure AD B2C, and permission/consent concepts.

Objectives



Implementing Microsoft Identity



Working with Microsoft Graph



Determining workload platform targets



Integration Points, including Microsoft Teams, Office Add-ins, and SharePoint Framework

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Course Outline

Module 1: Implement Microsoft Identity

Lessons:

- Getting Started with Microsoft Identity
- Application types in Microsoft identity
- Permissions and Consent Framework
- Secure custom APIs with Microsoft Identity
- Work with users, groups, and roles in custom apps and APIs

Lab: Implement Microsoft identity

- Exercise - Different types of tokens used in Microsoft identity
- Exercise - Single-page apps
- Exercise - Web apps that sign in users and call APIs
- Exercise - Daemon and non-interactive apps
- Exercise - Understanding permissions and the consent framework in the Microsoft identity platform
- Exercise - Delegated permissions and consent
- Exercise - Application permissions and consent
- Exercise - Create and secure a web API with Microsoft identity
- Exercise - Call secured APIs from web applications
- Exercise - Call secured APIs from daemon apps
- Exercise - Create and secure a web app with Microsoft identity
- Exercise - Utilize security groups in custom apps and APIs secured with Microsoft identity
- Exercise - Leverage application roles in custom apps

Module 2: Build Apps with Microsoft Graph

Lessons:

- Optimize data usage with query parameters
- Optimize network traffic with Microsoft Graph
- Access user data from Microsoft Graph
- Manage Group lifecycle with Microsoft Graph
- Access Files with Microsoft Graph
- Use change notifications and track changes with Microsoft Graph

Lab: Build apps with Microsoft Graph

- Exercise - Retrieve and control information returned from Microsoft Graph
- Exercise - Expand related entities and search content in Microsoft Graph
- Exercise - Reduce traffic with batched requests
- Exercise - Understand throttling in Microsoft Graph
- Exercise - Avoid throttling and implement throttling strategies
- Exercise - Eliminate polling Microsoft Graph with the delta query
- Exercise - Working with users in the organization
- Exercise -User profiles and related users
- Exercise - Modifying users
- Exercise - Working with groups in the organization
- Exercise - Users and their groups
- Exercise - Manage group lifecycle
- Exercise - Access and download files from OneDrive
- Exercise - Uploading files to OneDrive
- Exercise - Work with file relationships and trends in OneDrive

- Exercise - Azure AD apps .NET core web APIs
- Exercise - Microsoft Graph change notifications
- Exercise - Track changes with Microsoft Graph

Module 3: Extend Microsoft 365

Lessons:

- Introduction to customizing and extending SharePoint
- Introduction to Office client customization with add-ins

Lab: Extend Microsoft 365

- Exercise - Create and configure your SharePoint Online developer tenant
- Exercise - Interact with SPFx client-side web parts in modern sites

Module 4: Develop Apps for Microsoft Teams v

Lessons:

- Overview of building apps for Microsoft Teams
- Task-oriented interactions with messaging extensions
- Tabs in Microsoft Teams
- Create interactive conversational bots
- Collect input with task modules
- Webhooks in Microsoft Teams
- The Microsoft Graph teamwork endpoint
- Authentication and single sign-on in Microsoft Teams

Lab: Develop apps for Microsoft Teams

- Exercise - Create action command messaging extensions
- Exercise - Create search command messaging extensions
- Exercise - Implement link unfurling messaging extensions
- Exercise - Create a custom Microsoft Teams personal tab
- Exercise - Create a custom Microsoft Teams channel tab
- Exercise - Creating conversational bots
- Exercise - Bots in channels and group chats
- Exercise - Sending proactive messages from bots
- Exercise - Collecting user input with task modules
- Exercise - Using adaptive cards and deep links in task modules
- Exercise - Using task modules with bots
- Exercise - Creating outgoing webhooks
- Exercise - Creating incoming webhooks
- Exercise - Getting started with the teamwork endpoint
- Exercise - Configure a built-in tab with Microsoft Graph
- Exercise - Use Microsoft Graph to post to the activity feed
- Exercise - Implement single sign-on for Microsoft Teams apps
- Exercise - Implement single sign-on with Microsoft Teams tabs
- Exercise - Implement single sign-on with Microsoft Teams bots

Who Should Attend

Candidates for this MS-600 Microsoft Exam are Microsoft 365 Developers who design, build, test, and maintain applications and solutions that are optimized for the productivity and collaboration needs of organizations using the Microsoft 365 platform. Candidates for this exam are proficient in Microsoft identity, Microsoft Graph, and building apps for Microsoft Teams.

About CloudThat

CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Since our inception in 2012, we have trained over 500K IT professionals from fortune 500 companies on technologies such as Microsoft Azure, Amazon Web Services, VMware, Artificial Intelligence, Machine Learning, Google Cloud, IoT, Dynamics 365, Power Platform, Power BI, HPE AI, DevOps, Big Data, Kubernetes, Terraform and more.

With expertise in all the major Cloud platforms, CloudThat is a proud Microsoft Gold Partner, AWS Authorized Training Partner, VMware Authorized Training Reseller, Google Cloud Platform Partner and HPE Learning Partner. Through sheer dedication and commitment towards customer excellence, we have been the winner of the Microsoft Asia Superstar Campaign for India – 2021 as well as recognized as the winner of Microsoft Learning Partner of the Year 2021 Finalist award. Recently, we have been recognized as the Microsoft 2022 Partner of the Year Finalist - Learning Award.

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