

PROFESSIONAL COURSE OUTLINE

Microsoft

MB-500

Dynamics 365: Finance and Operations Apps Developer Associate

In this course we discuss the tasks needed to fulfill the role of developer in Dynamics 365 Finance and Operations Apps. The Dynamics 365 Finance and Operations apps developer is a key technical resource that implements and extends the application to meet the requirements of the business.

Microsoft Dynamics 365 & Power Platform Solutions

Intermediate

Dynamics 365

PROGRAM CODE

MB-500

DELIVERY

Virtual, On-site, or Hybrid

DURATION

5 days

CERTIFICATION

Microsoft Certified:
Dynamics 365: Finance and Operations Apps Developer Associate

AUDIENCE PROFILE

Who This Program Is For

Microsoft Dynamics 365 finance and operations apps developers

PROGRAM SUMMARY

What This Course Covers

As a candidate for this certification, you're a developer who works with finance and operations apps in Microsoft Dynamics 365 to implement and extend applications that meet the requirements of a business.

TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.



Plan the next session

We can tune this outline around your delivery goals and team mix.

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MODULE 1

Introduction to developing with finance and operations apps

As a developer working with finance and operations apps, it's important to have a firm grasp of the main architecture components of the Dynamics 365 ecosystem and finance and operations apps. Knowledge of core developer concepts, including technical capabilities, source code, testing frameworks, and reporting tools, will support your further efforts in building development skills that you can apply to finance and operations apps.

- Explore the ecosystem and main components of finance and operations apps
- Explore the technical architecture of finance and operations apps
- Explore design and deployment considerations for finance and operations apps
- Manage finance and operations apps implementations by using Lifecycle Services
- Work with performance and monitoring tools in finance and operations apps
- Manage source code by using version control in finance and operations apps
- Explore the test framework and tools in finance and operations apps
- Explore reporting tools in finance and operations apps

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MODULE 2

Build finance and operations apps

Developing in finance and operations apps requires a basic understanding of the tasks required to build new elements and customize finance and operations apps. The tasks include understanding X++ code and Visual Studio, as well as being able to create and modify the basic elements of the system.

- Set up and work in the finance and operations apps developer environment
- Start developing for finance and operations apps by using Visual Studio
- Build extended data types and enumerations for finance and operations apps
- Build data models in finance and operations apps
- Build forms and optimize form performance in finance and operations apps
- Create classes in finance and operations apps
- Implement role-based security in finance and operations apps
- Build reports for finance and operations apps
- Build workspaces in finance and operations apps

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MODULE 3

Extend finance and operations apps

Extensions allow developers to make changes to the end-user experience in finance and operations apps by implementing modifications to the code that do not affect the base code. Among other benefits, extensions let developers update finance and operations apps to adhere to business processes and required changes.

- Explore extensions and the extension framework in finance and operations apps
- Extend elements in finance and operations apps
- Consume business events in finance and operations apps
- Work with class extensions in finance and operations apps

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MODULE 4

Connect to finance and operations apps

Integration and the ability to access your data in finance and operations apps are important capabilities. Developers who have learned to build and extend code in finance and operations apps can enhance their knowledge of development by learning about data integration and how connecting to data can have positive impacts on users.

- Explore data integration concepts in finance and operations apps
- Work with synchronous integrations in finance and operations apps
- Implement the Data management package API for finance and operations apps
- Work with asynchronous integrations in finance and operations apps
- Prepare data for migration to finance and operations apps
- Manage data sources with external data stores in finance and operations apps
- Integrate finance and operations apps with Microsoft Azure
- Connect to Microsoft Power Platform services with finance and operations apps

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MODULE 5

Migrate data and go live with finance and operations apps

As a functional consultant and developer, you must understand how to prepare your customer's data for migration, work with data management, and perform user acceptance testing to go live with finance and operations apps.

- Prepare data for migration to finance and operations apps
- Work with data management in finance and operations apps
- Perform user acceptance testing in finance and operations apps
- Prepare to go-live with finance and operations apps

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MODULE 6

Configure and work with analytics and reporting in finance and operations apps

Business leaders can make important decisions in their company if they have accurate insight into the underlying financial and operational data. A business user can also configure, and use the electronic reporting tool without a single line of code, to adopt new regulatory requirements and generate business documents in the required format to electronically exchange information with government bodies, banks, and other parties.

- Work with analytics and reporting in finance and operations apps
- Configure electronic reporting in Dynamics 365 Finance

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