ExamLabs

# Microsoft Dynamics 365: Finance and Operations Apps Developer

## Study Guide

## Exam MB-500

# Table of Contents

- Compiling exclusively in .NET CIL
- Language enhancements 
- Unit of compilation

Integrated development environment (IDE)

- Development IDE in Dynamics 365 for Finance and Operations
- Development environment architecture 

Programming concepts

- Models
- Packages
- Packages and models on disk
- Models and packages in Visual Studio
- Overlayering
- Extensions

Understanding the development environment

Version control

- Branching strategies

Development machines

- Cloud development environment
- Local development environment

Application Explorer

- Application Explorer views
- Filtering the Application Explorer
- Working with elements 

Tools Addins for Visual Studio

Creating a new model to start the customization process

- Extension capabilities 

Project

- Creating a new project
- Adding new or existing elements to the project
- Import/export project

Development planning

Be agile

Establishing the code review process

Development process 

Conceptualization

Create or extend the data model

Create or extend business logic

Create or extend the user interface

- Form patterns
- User interface extensibility
- Control extensibility

Reporting and analytics

# Introduction to Dynamics 365 Finance and Operations

Every organization needs a system of records to manage data, control it, and use it for their growth. This often leads to embracing business applications for managing their resources well and to keep improving the business process. With cloud computing providing so many benefits, such as flexibility, efficiency, security, and more uptime, organizations are now looking to go for digital transformation to move from on-premises business applications to cloud-enabled business applications.

Dynamics 365 is a cloud service offering from Microsoft, combining several business needs into a single, scalable, and agile platform, allowing organizations to bring in this much-needed digital transformation.

This chapter will introduce you to Microsoft Dynamics 365 and share the details of various apps, solution elements, buying choices, and complementary tools. We hope you will get an insight into the various tools, offerings, and options provided by Microsoft in Dynamics 365. This may help you in your business transformation initiatives and solution and platform evaluation, spanning **customer relationship management** (**CRM**), **enterprise resource planning** (**ERP**), and **business intelligence** (**BI**).

Let's explore the topics we are going to cover in this chapter:

- What is Microsoft Dynamics 365?
- Microsoft Dynamics 365 apps
- Exploring Power Platform
- Complementing/supporting tools with Microsoft Dynamics 365
- Dynamics 365 for Finance and Operations apps
- App source

# Introducing Microsoft Dynamics 365

In the business application world, business leaders are always looking for a better business process automation to achieve digital transformation. The biggest challenge to achieve this is having various applications trying to work together to solve business process automation. Microsoft, for the past several years, has been focused on solving this problem by building intelligent applications infused with AI and analytics capabilities; these applications are built for a very specific purpose but, at the same time, can talk to each other and exchange data seamlessly.

Microsoft Dynamics 365 is the next generation of intelligent business applications in the cloud offered by Microsoft. It enables end-to-end business processes driven by unified navigation, has a core user experience in how these applications look and feel, and allows seamless integration with each other. Microsoft Dynamics 365 further extends Microsoft's commitment to being a cloud-committed company bringing in world-class business apps together in their overall cloud offering. These Dynamics 365 applications can be independently deployed. A customer can start with what they need, and as the business demands, they can adopt additional applications. Since its inception, Microsoft is making continuous efforts to make it better each day.

Microsoft Dynamics 365 has gained a lot of traction since its inception, and more and more companies are now adapting the applications from the Microsoft Dynamics 365 suite. Let's now explore the key deciding factors for adopting Microsoft Dynamics 365 in your organization's digital transformation journey, with the help of its usage benefits and salient features.

# Microsoft Dynamics 365 salient features

What makes Microsoft Dynamics 365 stand apart from its competition and an enabler for organizations lies in its features, capabilities, and offerings.

Here's a quick glance at the salient features of Dynamics 365:

- A cloud-driven, browser-based application
- Seamlessly integrated with Office 365, all out of the box, to increase productivity and stand apart from others
- Built-in intelligence for predictive analysis and decision-making support
- Quick-to-adapt and easy-to-use business applications

- Releveled and revolutionized the traditional approach toward business solutions
- Easy to adopt new updates released by Dynamics 365 team

Dynamics 365 is the next generation of intelligent business applications in the cloud (public and private) as well as on-premises, expected to transform how businesses use technological solutions to achieve their goals.

# Understanding Microsoft Dynamics 365 apps

The Microsoft Dynamics 365 approach to business applications unifies Microsoft's current CRM and ERP cloud solutions into one cloud service with new purpose-built business applications that work together seamlessly to help you to manage specific business functions.

Let's now get an insight at a high level into the various apps available in the Dynamics 365 family. Let's look at some of these apps, along with Dynamics 365 for Finance and Operations.