APP

EXAM MB-500: MICROSOFT DYNAMICS 365: FINANCE AND OPERATIONS APPS DEVELOPER
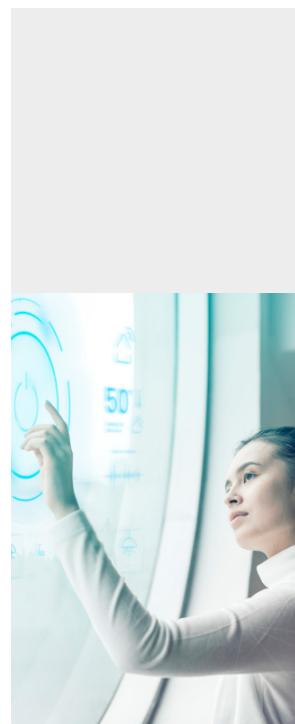
Course Level:
Beginner

Course Overview:

This Microsoft Dynamics 365 Finance and Operations Apps Developer certification from CloudThat teaches candidates how to develop business solutions leveraging standardized application coding patterns, external integrations, and features. Candidates for this exam MB-500 also learn how to customize user interfaces, analyze and manipulate data, monitor performance, and create and modify finance and operations app reports and workspaces.

By taking up this MB-500 course, candidates will receive in-depth training from our in-house subject matter experts to successfully clear the exam. We also provide relevant study material necessary to pass the MB-500 certification exam to become a certified Microsoft Dynamics 365 Finance and Operations Apps Developer Associate.

Note: You need to clear MB-300 exam along with MB-500 to become Microsoft certified Dynamics 365 Finance and Operations Apps Developer Associate.

Prerequisites

Candidates should have a deep knowledge and experience using the underlying framework, data structures, and objects associated with the Finance and Operations solutions.

Candidates should have experience with products that include Visual Studio, Azure DevOps, LCS tools, or SQL Server Management Studio.

Candidates should have experience in developing code by using object-oriented programming languages, analyzing and manipulating data by using Transact-SQL code, and creating and running Windows PowerShell commands and scripts.

Objectives

Plan architecture and solution design

Apply developer tools

Design and develop AO

T elements

Develop and test code

Implement reporting

Integrate and manage data solutions

Implement security and optimize performance

With Dynamics Mastery Pass, gain expertise from Microsoft Dynamics Certified Experts in the industry and enhance your career prospects by becoming a Certified Dynamics Expert with a high-paying job.

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Course Outline

Module 1: Overview & Architecture

This module explains the Dynamics 365 ecosystem and major components of the Dynamics 365 Finance and Operations (FO) software, the architecture of D365FO, relevant D365FO design and deployment considerations.

Hands-on Lab

- Development Environment configuration and Project/Model Creation

Module 2: Developer Tools

In this module, you will learn how to manage system implementations by using Lifecycle Services, how to customize D365FO by using Visual Studio, manage source code and artifacts by using version control, and how to work with other development tools to complete tasks.

Hands-on Lab

- Source Control using DevOps

Module 3: Solution Design

This module will teach you to determine the required application stack components and server architecture, implement Application Lifecycle Management (ALM), and design a solution for D365FO.

Hands-on Lab

- Data Structure Development

Module 4: AOT Elements

In this module, you will learn how to create forms, create and extend tables, create extended data types (EDT) and enumerations, create classes and extend AOT elements.

Hands-on Lab

- Metadata Extension & Development

Module 5: Code Development & Testing

In this module, you will learn how to develop X++ code, develop object-oriented code, extend D365 FO functionality, describe test framework and tools, and perform unit testing.

Hands-on Lab

- Code Extension & Development

Module 6: Data Migration

In this module, you will learn to describe migration tools and methodologies, plan migration strategy, prepare data for migration and migrate data.

Hands-on Lab

- Data Export/Import using Data Entity
- Recurring Data Transfer

Module 7: Frameworks

In this module, you will learn how to implement D365 FO functionality.

Hands-on Lab

- SysExtension Framework

Module 8: Integration

In this module, you will learn to identify Data integration patterns and scenarios, implement Data integration concepts and solutions, implement Recurring integrations, integrate D365FO with Microsoft Azure, troubleshoot integration errors, and implement the Data Management Package API.

Hands-on Lab

- OData Integration
- Logic App Integration
- Calling an External Web Service

Module 9: Reporting

In this module, you will learn about the capabilities and limitations of reporting tools in D365FO. You will also learn to design, create, and revise Dynamics Reports, Dynamics workspaces, data sources that connect to data stores external to D365FO.

Hands-on Lab

- Power BI reporting from F&O

Module 10: Security & Performance

In this module, you will learn to implement performance tools, LCS Environment Monitoring tools, role-based security policies and requirements. You will also learn to apply fundamental performance optimization techniques and optimize performance for batch processes, user interface performance, and report performance.

Hands-on Lab

- Async & Sandbox Functionality

Who should attend this course?

Candidates for this exam MB-500 are Developers who work with Finance and Operations apps in Microsoft Dynamics 365 to implement and extend applications to meet the requirements of the business.

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.

Our Success Track

11+ Years of Experience	100+ Corporates served	28+ countries catered
650K+ Professionals trained	300+ Projects delivered	500+ Cloud certifications

To know more about our VMware certification training, email at **sales@cloudthat.com** or call us at **+918880002200.**