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18-01-2021
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Microsoft Dynamics 365: Finance and Operations Apps Developer [MB-500]

Deltag på kurset og få mulighed for at levere fuldt ud realiserende løsninger ved brug af standardiserede applikations kodningsmønstre, avancerede funktioner og eksterne integrationer. Lær om arkitektur, udviklerværktøjer, AOT elementer, Data migration, rapportering og sikkerhed. Undervisningen kan foregå på engelsk.

Prerequisites

We recommend you have participated in our course [Introduction to Microsoft Dynamics 365 for Finance and Operations](#) or in other ways have obtained equivalent knowledge.

Participant profile

Microsoft Dynamics 365: Finance and Operations Apps Developers.

Content

Module 1: Overview & Architecture

Describe the Dynamics 365 ecosystem and major components of the Dynamics 365 Finance and Operations (FO) software, describe the architecture of D365FO, describe relevant D365FO design and deployment considerations

Module 2: Developer Tools

Manage system implementations by using Lifecycle Services, Customize D365FO by using Visual Studio, Manage source code and artifacts by using version control, Work with other development tools to complete tasks

Module 3: Solution Design

Determine the required application stack components and server architecture, Implement Application Lifecycle Management (ALM), Design a solution for D365FO

Module 4: AOT Elements

Create forms, Create and extend tables, Create Extended data Types (EDT) and enumerations, Create classes and extend AOT elements

Module 5: Code Development & Testing

Develop X++ code, Develop object-oriented code, Extend D365 FO functionality, Describe test framework and tools, Perform Unit Testing

Module 6: Data Migration

Describe migration tools and methodologies, Plan Migration strategy, Prepare data for migration and migrate data

Module 7: Frameworks

Implement D365 FO functionality

Module 8: Integration

Identify Data integration patterns and scenarios, Implement Data integration concepts and solutions, Implement Recurring integrations, Integrate D365FO with Microsoft Azure, Troubleshoot integration errors, Implement the Data Management Package API

Module 9: Reporting

Describe the capabilities and limitations of reporting tools in D365FO, Design, create, and revise Dynamics Reports, Design, create, and revise Dynamics workspaces, Design, create, and revise data sources that connect to data stores external to D365FO

Module 10: Security & Performance

Describe and implement performance tools and LCS Environment Monitoring tools, Implement role-based security policies and requirements, Apply fundamental performance optimization techniques, Optimize performance for batch processes, Optimize user interface performance, Enhance Integration performance, Optimize Report Performance.

Materiale

Microsoft official courseware.

Certification

If you want to obtain the certification **Microsoft Certified: Dynamics 365: Finance and Operations Apps Developer Associate**, you must pass MB-500 and [MB-300](#). Please note that exam MB-300 is not a prerequisite to sit the exam MB-310, MB-320, MB-330 and MB-500.

This exam is according to Microsoft for:

- Candidates for this exam 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. Candidates provide fully realized solutions by using standardized application coding patterns, extensible features, and external integrations.



- Candidates are responsible for developing business logic by using X++, creating and modifying Finance and Operations reports and workspaces, customizing user interfaces, providing endpoints and APIs to support Power Platform apps and external systems, performing testing, monitoring performance, analyzing and manipulating data, creating technical designs and implementation details, and implementing permission policies and security requirements.
- Candidates participate in the migration of data and objects from legacy and external systems, integration of Finance and Operations apps with other systems, implementation of application lifecycle management process, planning the functional design for solutions, and managing Finance and Operations environments by using Lifecycle Services (LCS).
- 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.



[Read more about IT certification.](#)

Software Assurance Voucher

Course can be paid with 5 SA Voucher.

Instructor

Our instructors, who specialize in teaching in Microsoft Dynamics, have participated in a number of projects in small as large companies. The courses may be held in either English or Danish.

Har du faglige spørgsmål så kontakt



Jette Ravn Merkel
+45 72202695
jetm@teknologisk.dk