

KOENIG SOLUTIONS • COURSE OUTLINE

MB-500 Exam prep

Learn to design, develop, integrate, and optimise solutions on Dynamics 365 Finance and Operations using X++, AOT elements, and Azure integration.

10

MODULES

40

TOPICS

13

HANDS-ON LABS

COURSE OVERVIEW

This course covers the Dynamics 365 Finance and Operations ecosystem, architecture, and design considerations, followed by developer tools including Lifecycle Services, Visual Studio, and version control. It then addresses solution design, AOT elements such as forms, tables, and classes, and X++ code development with unit testing. Later modules cover data migration, frameworks, integration with Microsoft Azure and external services, reporting with Power BI, and security and performance optimisation.

WHO THIS COURSE IS FOR

D365FO Developers

Solution Architects

Integration Developers

System Implementers

Technical Consultants

LEARNING OBJECTIVES

- Describe the D365FO ecosystem, architecture, and deployment considerations
- Manage implementations using Lifecycle Services and version control
- Design a solution and application stack for D365FO
- Create and extend forms, tables, EDTs, and classes
- Develop X++ and object-oriented code with unit testing
- Plan and execute data migration strategies
- Implement integration solutions with Microsoft Azure
- Optimise performance across batch, UI, and reporting processes

10 Modules, 40 Topics

01

Lab

Overview & Architecture

TOPICS

- 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

02

Lab

Developer Tools

TOPICS

- 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

03

Lab

Solution Design

TOPICS

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

04

Lab

AOT Elements

TOPICS

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

05

Lab

Code Development & Testing

TOPICS

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

06

2 Labs

Data Migration

TOPICS

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

07

Lab

Frameworks

TOPICS

Implement D365 FO functionality

08

3 Labs

Integration

TOPICS

- 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

09

Lab

Reporting

TOPICS

- 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

Security & Performance

TOPICS

- 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

HANDS-ON LABS

Practise What You Learn

#	MODULE	ACTIVITY
01	Overview & Architecture	Development Environment configuration and Project/Model Creation
02	Developer Tools	Source Control using DevOps
03	Solution Design	Data Structure Development
04	AOT Elements	Metadata Extension & Development
05	Code Development & Testing	Code Extension & Development
06	Data Migration	■ Data Export/Import using Data Entity ■ Recurring Data Transfer
07	Frameworks	SysExtension Framework
08	Integration	■ OData Integration ■ Logic App Integration ■ Calling an External Web Service
09	Reporting	Power BI reporting from F&O
10	Security & Performance	Async & Sandbox Functionality

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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