KOENIG step forward

Microsoft Solutions Partner
Microsoft Cloud Training Services

KOENIG SOLUTIONS · COURSE OUTLINE

Microsoft Dynamics 365 Finance and Operations Developer with Analytics (Development Focus)

Learn to design, develop, integrate and analyse Microsoft Dynamics 365 Finance and Operations solutions using AOT, X++ and reporting tools.

5 Days	13	58
DURATION	MODULES	TOPICS

COURSE OVERVIEW

This course covers Dynamics 365 Finance and Operations architecture, workspaces and developer tools including LCS and Visual Studio project setup, followed by solution design and AOT elements such as EDTs, enums, tables and forms. It then addresses code development and testing with X++ constructs, data migration through BYOD and data entities, extension frameworks including overlayering and chain of command, and integration methods such as OData services and business events. Later modules cover reporting and BI deployment, analytics with aggregate measures and KPIs, security and performance tracing, and finally number sequence and workflow frameworks.

WHO THIS COURSE IS FOR

- **D365FO Developers**
- **Solution Architects**
- **Integration Developers**
- **Report Developers**
- **Technical Consultants**

LEARNING OBJECTIVES

- Configure workspaces, personalisation and DevOps projects in Visual Studio
- Set up Visual Studio models and Lifecycle Services (LCS) environments
- Build AOT elements such as EDTs, enums, tables and forms
- Develop and test X++ code using transactions and exception handling
- Implement data migration using BYOD and data entities
- Apply extension frameworks such as overlayering and chain of command
- Configure integration methods including OData services and business events
- Analyse security, performance and reporting configurations in D365FO

COURSE SYLLABUS

13 Modules, 58 Topics

DAY 1

00

Overview and Architecture

TOPICS

- Personalization
- Creating Workspaces in D365
- Filtering in D365
- Mobile Workspaces
- User Options
- Project Creation for D365FO
- User management and access levels for different users
- Work Item management
- Code repositories
- Branching, Code merge
- Configuration of Devops project in Visual Studio

01

Developer Tools

TOPICS

- Overview of LCS
- Instance(VM) management
- Package deployment
- Environment Monitoring
- Asset library
- Project setup
- Business Process modulars (BPM)
- Backup management
- Support management

02

Solution Design

TOPICS

Create new model · Update model parameters · Setting up visual studio

DAY 2

03

AOT Elements

TOPICS

Creating EDT, Enum, Table, Forms

04

Code Development and Testing

TOPICS

- Primitive and Composite data types
- Exception handling using keywords Try, Catch
- Transaction related keywords ttsbegin, ttscommit, ttsabort
- Sql Statement
- Building Query using QueryRun
- Add a Computed Column

DAY 3

05

Data Migration

TOPICS

BYOD, Creating Data Entities

06

Frameworks

TOPICS

Concept of Overlayering and Extensions · Chain of command class creation and its uses · Difference between Event handlers and COC

07

Integration

TOPICS

- Data Templates
- Change tracking for entities
- Configuration data packages
- OData Services
- Synchronous and asynchronous integration
- Publishing of data from excel
- Exporting data into database
- Types of Push
- Business events

DAY 4

08

Reporting

TOPICS

Deployment of BI reports · Embed bi report d365 workspace · Host bi reports in bi.com · Query based report · RDP based report · Print management and destinations

09

Analytics

TOPICS

- Creating Aggregate Measures, Aggregate dimensions, KPI & tiles

10

Security and Performance

TOPICS

- Use of adding Security related artifacts to menu items
- How we can control the access and permissions to specific user roles
- Assigning the privileges to a role from AOT as well as from front end
- Record level security and when it will be used
- Take traces by using Trace parser
- Diagnose issues and analyse performance by using Trace parser

DAY 5

11

Number Sequence Framework

TOPICS

Number sequence framework

12

Workflow

TOPICS

Workflow framework

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.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com | info@koenig-solutions.com