

KOENIG SOLUTIONS · COURSE OUTLINE

Microsoft Dynamics 365 Business Central Technical Training (Advanced Customization)

Learn to configure the AL development environment and build tables, pages, queries, reports, XMLPorts and API integrations in Business Central.

4 Days

8 HOURS A DAY

13

MODULES

39

TOPICS

7

HANDS-ON LABS

COURSE OVERVIEW

This course provides in-depth technical knowledge of customizing and developing within the Microsoft Dynamics 365 Business Central environment. Attendees will learn how to configure and manage the development environment, create AL code extensions, and work with tables, pages, queries, and reports. The course also covers advanced topics such as API integration, XMLPorts, and implementing user interface customizations. By the end of the course, participants will be able to effectively manage customizations and integrate external systems with Business Central.

WHO THIS COURSE IS FOR

This course is intended for developers, technical consultants, and IT professionals who want to gain technical expertise in customizing and extending Microsoft Dynamics 365 Business Central. Participants should have a basic understanding of Business Central and programming concepts.

PREREQUISITES

- Basic understanding of Business Central functionality
- Familiarity with programming concepts and AL (Application Language)
- Basic knowledge of databases and JSON configuration files

LEARNING OBJECTIVES

Upon completing this course, participants will be able to:

- Configure and manage the development environment in Business Central
- Develop and manage AL extensions for customizing Business Central
- Work with tables, pages, queries, XMLPorts, and reporting features
- Implement APIs and integrate Business Central with external systems
- Customize the user interface and implement onboarding techniques
- Understand and apply development standards and patterns in Business Central

13 Modules, 39 Topics

DAY 1

01

Introduction to Development Environment

TOPICS

- Overview of Business Central development environment
- Installation and configuration
- Managing JSON configuration files
- Working with multiple AL extensions in one workspace

02

Administration

TOPICS

Managing Business Central · Application security · Creating and assigning permission sets

03

Tables and Table Extensions

TOPICS

- Table and field properties
- **Table relations:** Regular, Filtered, Conditional
- Calculated fields and field groups
- Table extensions, properties, and triggers
- Keys

04

Pages and Page Extensions

TOPICS

Page properties, types, and control areas · Linking pages and page parts · Developing role center pages

05**Lab**

Basics of AL Programming

TOPICS

- Variables, data types, options, and enums
- Code units, procedures, collections, and frequently used AL procedures
- Conditional and repetitive statements, debugging

DAY 2

06**Lab**

Queries

TOPICS

Query design, data aggregation, and ordering · Advanced query concepts · Accessing queries from AL

07**Lab**

Built-in Functions in Business Central

TOPICS

- String, numeric, array, list, and system functions

08**Lab**

XMLPorts

TOPICS

XMLPort properties, triggers, and design · Working with plain text · Using XMLPorts in AL code

DAY 3

09**Lab**

Reporting

TOPICS

Report components and design process · Creating RDL, Word, and Excel layout reports · Report triggers and data flow

10

Lab

Integration and APIs

TOPICS

- Implementing APIs and integration with Power Platform
- Postman tool API testing and Azure integration
- Accessing REST services from Business Central
- Source control and GIT
- **Case Study:** Implementing Business Central in a retail company

DAY 4

11

Lab

Customizing UI Experience and Implementing Onboarding

TOPICS

- Customizing the UI, creating profiles and views
- Creating teaching tips and in-app tours

12

Development Standards

TOPICS

Data process model implementation · Functional table types and characteristics · Document and master data standards

Final Session

TOPICS

Doubt solving and discussions

HANDS-ON LABS

Practise What You Learn

#	MODULE	ACTIVITY
05	Basics of AL Programming	Creating tables, pages, code units, and defining custom procedures
06	Queries	Creating and implementing queries
07	Built-in Functions in Business Central	Using built-in functions
08	XMLPorts	Designing XMLPorts, importing/exporting data
09	Reporting	Creating reports and ProcessOnly reports

#	MODULE	ACTIVITY
10	Integration and APIs	Creating custom API pages, queries, and using Postman
11	Customizing UI Experience and Implementing Onboarding	Creating profiles and views

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.

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