

# Dynamics 365 Business Central Developer Training

*COURSE CONTENT*

## GET IN TOUCH



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## About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

## About Course

The Dynamics 365 Business Central Developer Training by Multisoft Systems is designed for professionals looking to master the development and customization of Business Central applications. This course focuses on AL programming, extensions, APIs, and integrations, enabling learners to develop, modify, and extend Business Central functionalities efficiently.

## Module 1: Overview

- ✓ Start your free Dynamics 365 Business Central trial
- ✓ Create a Business Central account
- ✓ Sign in to Business Central
- ✓ Use a demo database
- ✓ Start a trial with your own data
- ✓ Extend your trial and subscribe or unsubscribe your organization from Business Central

## Module 2: Introduction to the capabilities of Microsoft Dynamics 365 Business Central

- ✓ Why Business Central is a cloud end-to-end business solution?
- ✓ The core Business Central functionalities by browsing application areas

## Module 3: Customize Microsoft Dynamics 365 Business Central

- ✓ Understand the high-level technical architecture of Business Central
- ✓ Know the available options to tailor Business Central to specific needs

## Module 4: Prepare for an easy application upgrade experience in Business Central

- ✓ Understand upgrade responsibilities and best practices
- ✓ Create proper installation and upgrade code units

## Module 5: Administer Dynamics 365 Business Central online

- ✓ Know how to sign up for the Cloud Solution Provider program
- ✓ Use the administration center to manage environments
- ✓ Set up tenant notifications and inspect environment telemetry

- ✓ Manage support requests for customers
- ✓ Export a database
- ✓ Enable features ahead of time

## **Module 6: Work with the API in Dynamics 365 Business Central**

- ✓ Define the difference between regular OData web services and the API
- ✓ Work around API limits
- ✓ Create new APIs
- ✓ Read, update, and create through the API
- ✓ Implement OData bound actions

## **Module 7: Work with XMLports in Dynamics 365 Business Central**

- ✓ Create new XMLports
- ✓ Configure the important XMLport properties
- ✓ Define nodes in an XMLport
- ✓ Work with the different formats
- ✓ Use an XMLport in AL code

## **Module 8: Work with web services in Dynamics 365 Business Central**

- ✓ Learn about the differences between SOAP and OData
- ✓ Enable access to the different web services
- ✓ Create your own SOAP and OData web services
- ✓ Use OData and SOAP to read and update records
- ✓ Handle UI interaction

## Module 9: Use Azure Functions with Dynamics 365 Business Central

- ✓ Learn about Azure Functions
- ✓ Create a basic Azure function
- ✓ Use an existing .NET DLL in an Azure function
- ✓ Use an Azure function in Business Central

## Module 10: Access REST services from within Dynamics 365 Business Central

- ✓ Use HTTP data types
- ✓ Connect to external REST services and read data
- ✓ Connect to external REST services and post data
- ✓ Read JSON data in Business Central
- ✓ Get JSON from an external REST service

## Module 11: Use Power Automate with Business Central

- ✓ Identify what Power Automate is and how it can be used with Business Central
- ✓ Identify existing Business Central actions and triggers available in Power Automate
- ✓ See how to create an independent flow in Business Central that automates business processes
- ✓ Create a flow that runs on a schedule or to create a button flow to send a reminder

## Module 12: Introduction to test automation in Business Central

- ✓ Learn how to write test code in AL with Test Codeunits
- ✓ Install and run the Test Toolkit in Docker containers
- ✓ Run standard Business Central tests

## **Module 13: Use Application Lifecycle Management for Business Central**

- ✓ Create an Azure DevOps organization
- ✓ Create an Azure DevOps project
- ✓ Know about the different services in Azure DevOps
- ✓ Connect via a Personal Access Token
- ✓ Know the difference between GitHub and Azure DevOps

## **Module 14: Work with source control using Git in Visual Studio Code for Business Central**

- ✓ Configure Git
- ✓ Know the structure of Git repositories
- ✓ Create a new local Git repository
- ✓ Add and remove files from Git
- ✓ Link and clone a remote Git Repository
- ✓ Work with the .gitignore file

## **Module 15: Learn about application performance and monitoring in Business Central**

- ✓ Prepare your application for optimal performance
- ✓ Get essential application insights

## **Module 16: Introduction to the basics of AL programming in Dynamics 365 Business Central**

- ✓ Work with variables and define them in AL code
- ✓ Use the different data types
- ✓ Use options and enums
- ✓ Work with collections

- ✓ Use the different types of expressions

## **Module 17: Identify functional table types and characteristics in Dynamics 365 Business Central**

- ✓ Learn the difference between all available table types
- ✓ Discover the correct primary key for each table type
- ✓ Use the correct naming for tables
- ✓ Create the associated pages

## **Module 18: Customize the UI experience in Dynamics 365 Business Central**

- ✓ Add objects to the search dialog
- ✓ Create page customizations
- ✓ Define profiles that are linked to a Role Center and page customizations
- ✓ Create custom views
- ✓ Extend the application areas in Business Central

## **Module 19: Build control add-in objects in Dynamics 365 Business Central**

- ✓ Learn about control add-ins
- ✓ Build a control add-in
- ✓ Send data from Business Central to JavaScript
- ✓ Send data from JavaScript to Business Central
- ✓ Connect a control add-in with an Azure function

## **Module 20: Work with queries in Dynamics 365 Business Central**

- ✓ Create a new Query object

- ✓ Join, filter, and aggregate data in a Query object
- ✓ Access queries from AL
- ✓ Publish queries as a web service

## **Module 21: Work with entitlements and permission sets in Dynamics 365 Business Central**

- ✓ Learn about entitlements and how to use them in Business Central
- ✓ Learn about permission sets and how they are used
- ✓ Create or extend entitlement and permission set objects by using AL

## **Module 22: Work with codeunits in Dynamics 365 Business Central**

- ✓ Learn about codeunits
- ✓ Create new codeunits
- ✓ Access functions within a codeunit

## **Module 23: Design the data model of a report in Dynamics 365 Business Central**

- ✓ Learn about the different report components
- ✓ Create the data items for a report
- ✓ Add columns to the dataset of a report
- ✓ Order, link, and indent data items

## **Module 24: Work with pages in Dynamics 365 Business Central**

- ✓ Identify the different page types
- ✓ Discover the different page properties
- ✓ Learn how to build the layout of new pages



- ✓ Link pages with page parts
- ✓ Use snippets to create pages in Visual Studio Code
- ✓ Enable end users to search for a page
- ✓ Define actions on a page and set its properties

## **Module 25: Debug and deploy your extension in Dynamics 365 Business Central**

- ✓ Learn how to work with the Visual Studio Code debugger
- ✓ Use Debug and Attach configuration files
- ✓ Work with the Rapid Application Development (RAD) feature
- ✓ Deploy your extensions to a production tenant

## **Module 26: Introduction to the development environment for Dynamics 365 Business Central**

- ✓ Use the Microsoft Visual Studio Code development environment
- ✓ Create a basic new AL Language extension
- ✓ Design the different configuration files in an AL extension
- ✓ Manage multiple AL extensions in one workspace

## **Module 27: Manage users and implement security in Business Central**

- ✓ Manage users and user groups
- ✓ Implement and configure security
- ✓ Setup profiles, and role centers
- ✓ Audit changes to data