Develop solutions with Dynamics 365 Business Central Training

Duration: **5 Day**

BILGINÇ IT Academy
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Overview

A **Dynamics 365 Business Central developer** builds and extends applications by creating new modules, modifying existing ones, and integrating Business Central with **Microsoft Power Platform**.

This course covers how to design, customize, and deploy Business Central solutions using**AL language**, **DevOps**, and **Azure tools**, while applying best practices for debugging, data migration, and performance optimization.

Learners will gain hands-on experience developing extensions, building reports, working with APIs, and implementing CI/CD pipelines.

Prerequisites

Participants should have:

- Experience with **Microsoft Dynamics 365 Business Central**,
- Knowledge of **AL programming**,
- Familiarity with **Visual Studio Code**, **Azure DevOps**, and extension development tools.

Who Should Attend

Designed for:

- Developers and software engineers,
- Technical consultants and solution architects,
- UX leads and Business Central development professionals.

What You Will Learn

By the end of this course, learners will be able to:

- Develop and extend Business Central functionality,
- Customize modules using **events**,
- Integrate Business Central with **Power Platform** products,
- Debug, test, and optimize system performance,
- Migrate and upgrade Business Central environments,
- Implement CI/CD using **Azure DevOps**,
- Use **AL programming** for complex automation and logic.

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Outline

Module 1: Get started with Microsoft Dynamics 365 Business Central

- Start your free Dynamics 365 Business Central trial
- Introduction to the capabilities of Microsoft Dynamics 365 Business Central
- Customize Microsoft Dynamics 365 Business Central

Module 2: Use application development best practices in Microsoft Dynamics 365 Business Central

- Introduction to application types in Business Central
- Understand the process of bringing an app to AppSource in Business Central
- Consider application monetization responsibilities in Business Central
- Implement SaaSification techniques in Business Central
- Prepare for an easy application upgrade experience in Business Central
- Learn about application performance and monitoring in Business Central
- Implement test automation techniques in Business Central

Module 3: Deploy and configure Microsoft Dynamics 365 Business Central

- Administer Dynamics 365 Business Central online
- Create new companies in Business Central
- Migrate data to Business Central
- Migrate on-premises data to Dynamics 365 Business Central
- Manage users and implement security in Dynamics 365 Business Central
- Set up email in Dynamics 365 Business Central
- Integrate Dynamics 365 Business Central with Outlook
- Integrate Dynamics 365 Business Central with Teams
- Create workflows in Dynamics 365 Business Central
- Use approval workflows in Dynamics 365 Business Central

Module 4: Discover the foundation of customizing Microsoft Dynamics 365 Business Central

- Introduction to the development environment for Dynamics 365 Business Central
- Work with tables in Dynamics 365 Business Central
- Extend and modify an existing table in Dynamics 365 Business Central
- Work with pages in Dynamics 365 Business Central
- Extend and modify an existing page in Dynamics 365 Business Central
- Work with entitlements and permission sets in Dynamics 365 Business Central
- Introduction to integrating Dataverse with Dynamics 365 Business Central
- Debug and deploy your extension in Dynamics 365 Business Central

Module 5: Build reports for Microsoft Dynamics 365 Business Central

- Introduction to report components in Dynamics 365 Business Central

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- Use the report design process in Dynamics 365 Business Central
- Design the data model of a report in Dynamics 365 Business Central
- Add a layout to a report in Dynamics 365 Business Central
- Complete the report request page in Dynamics 365 Business Central
- Add reports to Tell Me and substitute a report in Dynamics 365 Business Central
- Use report triggers, functions, and processing-only reports in Dynamics 365 Business Central
- Implement multilingual reports in Dynamics 365 Business Central
- Work with reports in Dynamics 365 Business Central
- Analyze list data using data analysis mode in Business Central
- Extend reports in Dynamics 365 Business Central

Module 6: Learn the application foundation with the AL programming language for Microsoft Dynamics 365 Business Central

- Introduction to the basics of AL programming in Dynamics 365 Business Central
- Learn the AL statements in Dynamics 365 Business Central
- Work with AL built-in functions in Dynamics 365 Business Central
- Handle errors by using application language in Dynamics 365 Business Central
- Create custom procedures in Dynamics 365 Business Central
- Work with codeunits in Dynamics 365 Business Central
- Use events and triggers in Dynamics 365 Business Central
- Implement interfaces in Dynamics 365 Business Central
- Manipulate data by using code in Dynamics 365 Business Central
- Manage multilanguage development in Dynamics 365 Business Central

Module 7: Learn about the data management foundation in Microsoft Dynamics 365 Business Central

- Introduction to the basics of file management in Dynamics 365 Business Central
- Work with XMLports in Dynamics 365 Business Central
- Work with queries in Dynamics 365 Business Central

Module 8: Learn about the data management foundation in Microsoft Dynamics 365 Business Central

- Introduction to the basics of file management in Dynamics 365 Business Central
- Work with XMLports in Dynamics 365 Business Central
- Work with queries in Dynamics 365 Business Central

Module 9: Interface with Microsoft Dynamics 365 Business Central

- Work with web services in Dynamics 365 Business Central
- Work with the API in Dynamics 365 Business Central
- Access REST services from within Dynamics 365 Business Central
- Use Azure Functions with Dynamics 365 Business Central

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- Build control add-in objects in Dynamics 365 Business Central
- Use AL-controlled barcode scanning in Dynamics 365 Business Central

Module 10: Tailor roles and design the UI for Microsoft Dynamics 365 Business Central

- Set up onboarding experiences in Dynamics 365 Business Central
- Develop a Role Center in Dynamics 365 Business Central
- Build an Assisted Setup in Dynamics 365 Business Central
- Send notifications in Dynamics 365 Business Central
- Customize the UI experience in Dynamics 365 Business Central

Module 11: Work with essential development standards for Microsoft Dynamics 365 Business Central

- Identify functional table types and characteristics in Dynamics 365 Business Central
- Implement the data process model in Dynamics 365 Business Central
- Work with master data in Dynamics 365 Business Central
- Use document standards in Dynamics 365 Business Central

Module 12: Continuous integration with Azure DevOps for Microsoft Dynamics 365 Business Central

- Use Application Lifecycle Management for Business Central
- Work with source control using Git in Visual Studio Code for Business Central
- Use branching and merging with Git for Business Central
- Use Docker in your Business Central development process
- Introduction to test automation in Business Central
- Use Azure Pipelines for CI/CD with Business Central
- Work with Azure Boards for project management in Business Central

Module 13: Develop using Power Apps and Power Automate for Dynamics 365 Business Central

- Introduction to Microsoft Power Platform and Business Central
- Create a canvas app based on Business Central data
- Use Power Automate with Business Central
- Use model-driven apps and Dataverse with Business Central
- Create a custom connector to extend Microsoft Power Platform functionalities with Business Central

Exams and Assessments

The MB-820 exam is available seperately

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Hands-On Learning

This course has practical labs associated with each module.