MB-820T00 Develop solutions with Dynamics 365 Business Central

Category: Infrastructure & IT Operations | **Vendor:** Microsoft Technical

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Applied Skills: Develop solutions with Dynamics 365 Business Central
Related Exam:	MB-820

Course Overview

A Dynamics 365 Business Central developer develops apps that extend Business Central. This can include creating new modules and modifying existing modules. The developer can add new business logic or change existing business logic by using events. A developer also makes it possible to integrate Business Central with other applications, including Microsoft Power Platform products. Business Central developers are responsible for troubleshooting and debugging issues in the system. This may involve identifying the root cause of a problem, fixing bugs, and testing the solution to ensure it works as expected. Business Central developers may be required to optimize the performance of the system by identifying bottlenecks and improving code quality. Business Central developers are responsible for upgrading the system, migrating data, and maintaining the system to ensure it remains up to date and secure.

About This Course

A Dynamics 365 Business Central developer develops apps that extend Business Central. This can include creating new modules and modifying existing modules. The developer can add new business logic or change existing business logic by using events. A developer also makes it possible to integrate Business Central with other applications, including Microsoft Power Platform products. Business Central developers are responsible for troubleshooting and debugging issues in the system. This may involve identifying the root cause of a problem, fixing bugs, and testing the solution to ensure it works as expected. Business Central developers may be required to optimize the performance of the system by identifying bottlenecks and improving code quality. Business Central developers are responsible for upgrading the system, migrating data, and maintaining the system to ensure it remains up to date and secure.

Who Should Attend

Candidates for this course are Developers, Software engineers, Architects, Technical advisors, Technical consultants, User Experience leads or have a combination of these skills. Business Central is our fastest growing app with the largest number of solutions published to AppSource. It is however a complex solution, and it requires deep domain and technical expertise for implementation.

Prerequisites & Entry Requirements

General Prerequisites:

- A Dynamics 365 Business Central developer must have applied knowledge of Business Central and an understanding of industry terminology.
- The developer also must have applied knowledge of administration, the development environment, and tools for developing extensions and customizations in Business Central.
- The developer's knowledge should include a comprehensive understanding of the Business Central application's role in relationship to the Microsoft 365 and Dynamics 365 suites of applications.
- A developer should have knowledge of AppSource and technologies for Application Lifecycle Management (ALM), Source Control Management (SCM), Azure, and Business Central-related technologies, frameworks, and services to build solutions.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Start your free Dynamics 365 Business Central trial

Introduction to the capabilities of Microsoft Dynamics 365 Business Central

Customize Microsoft Dynamics 365 Business Central

Prepare for an easy application upgrade experience in Business Central

Administer Dynamics 365 Business Central online

Manage users and implement security in Business Central

Introduction to the development environment for Dynamics 365 Business Central

Debug and deploy your extension in Dynamics 365 Business Central

Work with pages in Dynamics 365 Business Central

Design the data model of a report in Dynamics 365 Business Central

Work with codeunits in Dynamics 365 Business Central

Work with XMLports in Dynamics 365 Business Central

Work with entitlements and permission sets in Dynamics 365 Business Central

Work with queries in Dynamics 365 Business Central

Build control add-in objects in Dynamics 365 Business Central

Customize the UI experience in Dynamics 365 Business Central

Identify functional table types and characteristics in Dynamics 365 Business Central

Introduction to the basics of AL programming in Dynamics 365 Business Central

Learn about application performance and monitoring in Business Central

Work with source control using Git in Visual Studio Code for Business Central

Use Application Lifecycle Management for Business Central

Introduction to test automation in Business Central

Use Power Automate with Business Central

Access REST services from within Dynamics 365 Business Central

Use Azure Functions with Dynamics 365 Business Central

Work with web services in Dynamics 365 Business Central

Work with the API in Dynamics 365 Business Central

Detailed Course Outline

1 - Start your free Dynamics 365 Business Central trial

- 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

2 - Introduction to the capabilities of Microsoft Dynamics 365 Business Central

- Identify available subscription types for Business Central
- Explore the relationship management functionality
- Use Dynamics 365 Sales with Business Central
- Discover supply chain management capabilities
- Process and administer the purchase cycle
- Process and administer the sales cyclev
- Send documents to customers
- Explore how to administer jobs
- Discover service management capabilities
- Business Central manufacturing capabilities
- Business Central Human Resources capabilities
- In Microsoft 365 experience for Business Central

3 - Customize Microsoft Dynamics 365 Business Central

- Introduction - Cloud architecture for Business Central
- Tailor, extend, and build applications

4 - Prepare for an easy application upgrade experience in Business Central

- Understand upgrade responsibilities and best practices
- Consider the update lifecycle
- Create proper installation and upgrade codeunits
- Transfer data between tables using DataTransfer
- Manage apps
- Detect and avoid breaking changes
- Frequently asked questions about updating your Business Central App

5 - Administer Dynamics 365 Business Central online

- Introduction - Get started with the Cloud Solution Provider program
- Extend a trial for a customer
- Access the administration center
- Manage sandbox and production environments
- Set up tenant notifications
- Inspect environment telemetry and troubleshoot issues
- Export databases
- Enable features
- Monitoring and analyzing telemetry
- Analyze performance using the In-client performance profiler
- Work with the Performance Toolkit extension
- Configure a BCPT suite
- Use APIs for automation and administration

6 - Manage users and implement security in Business Central

- Introduction - Add users
- Create user groups
- Implement permissions and permission sets
- Configure user access times and logging
- Understand users, profiles, and role centers
- Perform user-specific setup
- Auditing changes

7 - Introduction to the development environment for Dynamics 365 Business Central

- Get started with Visual Studio Code
- Install the AL language extension in Visual Studio Code
- Discover the logical database and its objects
- Differentiate the base app and the system app
- Create a new Business Central extension in Visual Studio Code
- Work with JSON configuration files
- Configure the AL language extension
- Manage multiple AL extensions in one workspace

8 - Debug and deploy your extension in Dynamics 365 Business Central

- Debug your extension with Visual Studio Code
- Use attach and debug with attach configurations
- Implement snapshot debugging
- Work with Rapid Application Development
- Publish and install an extension
- Set Resource Exposure Policy settings
- Configure projects and workspaces
- Use AL code actions
- Work with the Business Central Performance Toolkit
- Use Database Wait Statistics

9 - Work with pages in Dynamics 365 Business Central

- Get started with pages
- Identify different page types
- Configure the different page properties
- Build a page layout by using controls
- Link pages with page parts
- Use snippets in Visual Studio Code to create pages
- Set different control properties
- Enable users to search for a page
- Define actions on a page and its properties

10 - Design the data model of a report in Dynamics 365 Business Central

- Create report data items and their properties
- Add columns to a report dataset
- Link, order, and indent data items
- Use a query to create a report dataset

11 - Work with codeunits in Dynamics 365 Business Central

- Create and access a codeunit

12 - Work with XMLports in Dynamics 365 Business Central

- Get started with XMLports
- Configure different XMLport properties
- Define nodes and their properties
- Design XMLports
- Create an XMLport by using snippets in Visual Studio Code
- Use XMLports in AL code

13 - Work with entitlements and permission sets in Dynamics 365 Business Central

- Get started with entitlements and permissions
- Create entitlements and permission sets
- Override entitlements with inherent permissions

14 - Work with queries in Dynamics 365 Business Central

- Get started with queries
- Create a query in Visual Studio Code
- Join data in queries
- Filter data in queries
- Aggregate and sort data in a query
- Access queries from AL
- Advanced query concepts

15 - Build control add-in objects in Dynamics 365 Business Central

- Apply the Business Central look and feel
- Build a control add-in for Business Central
- Asynchronous considerations for control add-ins
- Connect control add-ins with Azure Functions

16 - Customize the UI experience in Dynamics 365 Business Central

- Add objects to search
- Create page customizations
- Create profiles in application language
- Use and create views in application language
- Extend application areas

17 - Identify functional table types and characteristics in Dynamics 365 Business Central

- Define the different functional table types and characteristics
- Create master tables
- Create supplemental tables
- Create subsidiary tables
- Create ledger tables
- Create register tables
- Create journal tables
- Create document tables
- Create setup tables

18 - Introduction to the basics of AL programming in Dynamics 365 Business Central

- Get started with application language
- Work with identifiers, syntax, and variables
- Discover intrinsic data types
- Options and enums
- Work with collections
- Use assignments and type conversions
- Define different expression types

19 - Learn about application performance and monitoring in Business Central

- Prepare your application for optimal performance
- Get essential Application Insights

20 - Work with source control using Git in Visual Studio Code for Business Central

- Configure Git
- Compare and contrast local and remote repositories
- Create a local Git repository
- Use the .gitignore file
- Add and remove files in Git
- Get the status of your Git repository
- Use a remote Git repository
- Clone a remote Git repository
- Work with a remote Git Repository

21 - Use Application Lifecycle Management for Business Central

- Create an Azure DevOps organization
- Manage Azure DevOps Projects
- Introduction to Azure DevOps Services
- Connect to Azure DevOps via Personal Access Tokens
- Introduction to GitHub

22 - Introduction to test automation in Business Central

- Test applications in Business Central
- Install and run the Test Toolkit
- Run the standard tests
- Create your own test codeunits with a test app

23 - Use Power Automate with Business Central

- Explore Business Central triggers in Power Automate
- Create a Power Automate flow from scratch
- Create customer, vendor and item approvals in Power Automate
- Create approvals in a general journal with Power Automate
- Create documents approvals with Power Automate
- Create Power Automate flows for different business scenarios
- Create a button or instant flow in Power Automate
- Run a Power Automate flow on a schedule
- Troubleshoot and monitor flows

24 - Access REST services from within Dynamics 365 Business Central

- Use the different HTTP classes and their functions
- Get data from and send data to an external REST service
- Use and read JSON in Business Central
- Get JSON data from external REST services

25 - Use Azure Functions with Dynamics 365 Business Central

- Create basic Azure functions
- Create an Azure function
- Use an Azure function in Business Central

26 - Work with web services in Dynamics 365 Business Central

- Define differences between SOAP, OData, REST, and API
- Web service authentication
- Enable access to OData web services
- Work with different OData return documents
- Request records with OData
- Work with OData query options
- Create new records with OData
- Update records with OData
- Use SOAP web services
- Request records with SOAP
- Handle UI interaction when working with web services

27 - Work with the API in Dynamics 365 Business Central

- Access Business Central API
- Tips for working with APIs
- Work with API limits
- Create new APIs
- Read, create, and update by using API
- API and OData bound actions

, 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

Lab: Sign in to Business Central

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

Lab: Create a customer and a new office furniture item

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

Prepare for an easy application upgrade experience in Business Central

Understand upgrade responsibilities and best practices

Create proper installation and upgrade codeunits

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

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

Lab: Connect to the API

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

Lab: Create an XMLport to export XML data

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

Lab: Create and connect to an OData web service

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

Lab: Create an Azure function

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

Lab: Connect to external REST services

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

Lab: Create a flow for sending emails when a new item is created in Power Automate

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

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

Lab: Create an Azure DevOps organization and project

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

Lab: Source control with Git

Learn about application performance and monitoring in Business Central

Prepare your application for optimal performance

Get essential application insights

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

Lab: Discover the intrinsic data types

Lab: Use logical and relational expressions

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

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

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

Lab: Build a control add-in object

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

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

Work with codeunits in Dynamics 365 Business Central

Learn about codeunits

Create new codeunits

Access functions within a codeunit

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

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

Lab: Create a Card page

Lab: Create a List page

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

Lab: Create a page extension

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

Lab: Create and run an AL extension

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

Lab: Add a new user

□□ Certification Path

Microsoft Applied Skills: Develop solutions with Dynamics 365 Business Central

Exam: MB-820

Upcoming Schedule

Available training dates for MB-820T00 Develop solutions with Dynamics 365 Business Central:

Start Date	End Date	Location	Delivery	Price
11 Jan 2027	15 Jan 2027	Online	Virtual	€2,995.00

Frequently Asked Questions

Q: What delivery options are available for MB-820T00 Develop solutions with Dynamics 365 Business Central?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The MB-820T00 Develop solutions with Dynamics 365 Business Central course helps prepare you for the Microsoft Applied Skills: Develop solutions with Dynamics 365 Business Central certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the MB-820 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day MB-820T00 Develop solutions with Dynamics 365 Business Central course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the MB-820T00 Develop solutions with Dynamics 365 Business Central training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for MB-820T00 Develop solutions with Dynamics 365 Business Central?

Yes, we provide corporate training, dedicated training, and closed classes for MB-820T00 Develop solutions with Dynamics 365 Business Central. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: MB-820T00: Develop solutions with Dynamics 365 Business Central, Microsoft, vILT, MB-820T00

Q: Why choose Nexus Human for MB-820T00 Develop solutions with Dynamics 365 Business Central?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your MB-820T00 Develop solutions with Dynamics 365 Business Central training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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