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Learning Style: Virtual Classroom

Technology: Microsoft

Difficulty: Intermediate

Course Duration: 5 Days

Dynamics 365 Business Central Developer (MB-820T00)



About This Course:

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.

Course Objectives:

- 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 Centra
- 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

Audience:

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:

- None

Course Outline:

- 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
- 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
- Test applications in Business Central
- Install and run the Test Toolkit
- Run the standard tests
- Create your own test codeunits with a test app
- 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
- 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 service
- Create basic Azure functions
- Create an Azure function
- Use an Azure function in 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
- 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

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