Training: Microsoft

MB-820T00: Develop solutions with Dynamics 365 Business Central

Microsoft Partner

TRAINING GOALS:

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.

Audience Profile:
Candidates for this course are Developers, Software engineers, Architects, Technical advisors, Technical consultants, User Experience leads or have a combination of these skills.

CONSPECT:

- Get started with Microsoft Dynamics 365 Business Central
  - Module 1: Introduction to Dynamics 365 Business Central
  - Module 2: Navigate Dynamics 365 Business Central
  - Module 3: Work with the Business Central web client
- Use application development best practices in Microsoft Dynamics 365 Business Central
  - Module 1: Apply development best practices for performance in Business Central
  - Module 2: Use debugging and testing tools in Business Central
  - Module 3: Implement error handling and logging in Business Central
  - Module 4: Manage application lifecycle with Azure DevOps
  - Module 5: Implement security in Business Central development
  - Module 6: Apply coding standards and guidelines in AL
  - Module 7: Design and implement API integrations
- Deploy and configure Microsoft Dynamics 365 Business Central
  - Module 1: Plan and set up a Business Central deployment
  - Module 2: Configure the Business Central administration center
  - Module 3: Manage Business Central tenants and environments
  - Module 4: Set up users, permissions, and security groups
  - Module 5: Configure email and document management

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- Module 6: Manage application upgrades and updates
- Module 7: Configure Business Central with Power Platform
- Module 8: Manage Business Central extensions and apps
- Module 9: Implement data migration to Business Central
- Module 10: Monitor and troubleshoot Business Central performance

- Discover the foundation of customizing Microsoft Dynamics 365 Business Central
  - Module 1: Understand the AL programming language
  - Module 2: Set up the AL development environment
  - Module 3: Create tables, pages, and codeunits in AL
  - Module 4: Understand extensions and events in Business Central
  - Module 5: Create and use queries and reports
  - Module 6: Implement business logic with AL
  - Module 7: Create XMLPorts for data import/export
  - Module 8: Test and debug AL code
- Build reports for Microsoft Dynamics 365 Business Central
  - Module 1: Understand reporting options in Business Central
  - Module 2: Create basic RDLC reports
  - Module 3: Create Word report layouts
  - Module 4: Work with report dataset design
  - Module 5: Add filters and sorting to reports
  - Module 6: Implement report grouping and aggregation
  - Module 7: Create Power BI reports from Business Central data
  - Module 8: Embed Power BI reports in Business Central
  - Module 9: Create Excel-based reports from Business Central
  - Module 10: Schedule and distribute reports
  - Module 11: Customize built-in reports
- Learn the application foundation with the AL programming language for Microsoft Dynamics 365 Business Central
  - Module 1: Work with data types and variables in AL
  - Module 2: Work with tables and table relationships
  - Module 3: Work with pages and UI customization
  - Module 4: Implement business logic with codeunits
  - Module 5: Work with queries in AL
  - Module 6: Implement event handling and subscriptions
  - Module 7: Work with enumerations and extensions
  - Module 8: Manage sessions and transactions

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- Module 9: Implement data validation and business rules
- Module 10: Develop multi-language applications

- Learn about the data management foundation in Microsoft Dynamics 365 Business Central
  - Module 1: Work with data import and export in Business Central
  - Module 2: Manage data migration with configuration packages
  - Module 3: Use integration APIs for data synchronization
- Interface with Microsoft Dynamics 365 Business Central
  - Module 1: Understand API options for Business Central
  - Module 2: Create and consume web services
  - Module 3: Work with OData and SOAP APIs
  - Module 4: Implement custom APIs in AL
  - Module 5: Integrate Business Central with Power Automate
  - Module 6: Integrate Business Central with Power Apps
- Tailor roles and design the UI for Microsoft Dynamics 365 Business Central
  - Module 1: Understand role centers and profiles
  - Module 2: Design and customize profile settings
  - Module 3: Customize the navigation menu and pages
  - Module 4: Implement role-based UI personalization
  - Module 5: Use Page Designer to customize page layouts
- Work with essential development standards for Microsoft Dynamics 365 Business Central
  - Module 1: Apply coding standards in AL
  - Module 2: Implement error handling and debugging
  - Module 3: Perform code testing and quality assurance
  - Module 4: Document AL code and technical designs
- Continuous integration with Azure DevOps for Microsoft Dynamics 365 Business Central
  - Module 1: Set up Azure DevOps projects for Business Central
  - Module 2: Configure version control for AL code
  - Module 3: Build and manage CI/CD pipelines
  - Module 4: Automate testing with Azure DevOps
  - Module 5: Manage extension lifecycle with Pipelines
  - Module 6: Deploy extensions to production environments
  - Module 7: Monitor and optimize CI/CD processes
- Develop using Power Apps and Power Automate for Dynamics 365 Business Central
  - Module 1: Integrate Business Central with Power Apps
  - Module 2: Build canvas apps with Business Central data
  - Module 3: Build model-driven apps with Business Central data

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- Module 4: Automate Business Central workflows with Power Automate
- Module 5: Create business process flows with Power Automate

REQUIREMENTS:

Experience with software development concepts. Familiarity with Dynamics 365 Business Central is helpful.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Microsoft (course completion).

This course will help prepare you for the **Microsoft Certified: Dynamics 365 Business Central Developer Associate** certification exam (Exam MB-820), which is available through the Pearson VUE test centers.

TRAINER:

Microsoft Certified Trainer (MCT)

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