Microsoft Dynamics 365
The Complete Business Computing Solution

MB – 820

MB-820T00-A: Dynamics 365 Business Central Developer

Overview

As a Microsoft Dynamics 365 Business Central developer, you're responsible for designing, developing, testing, and maintaining solutions based on Dynamics 365 Business Central. In this role, you develop apps that extend Business Central, including customizing or adding extra functionality. You also integrate Business Central with other applications, such as Microsoft Power Platform products. Plus, you need to ensure that data remains current during an upgrade process.

As a Business Central developer, you're responsible for troubleshooting and debugging issues in the system. This may involve:

- Identifying the root cause of a problem.
- Fixing bugs.
- Testing the solution to ensure that it works as expected.

You may be required to optimize the performance of the system by:

- Identifying bottlenecks.
- Improving code quality.

You must have applied knowledge of Business Central and the application language (AL), the development environment, and other tools to develop extensions for it. You need some knowledge of how to install and upgrade the system. You should also understand:

- Industry terminology.
- The Business Central role in relationship to Microsoft 365 and Dynamics 365.

As a developer, you should have knowledge of:

- AppSource, Business Central–related technologies, frameworks, and services to build solutions.
- Technologies for application lifecycle management (ALM), including source control management (SCM) and continuous integration and continuous delivery (CI/CD).

Prerequisites

Recommended

- [MB-800T00: Microsoft Dynamics 365 Business Central Functional Consultant](#)

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. 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.
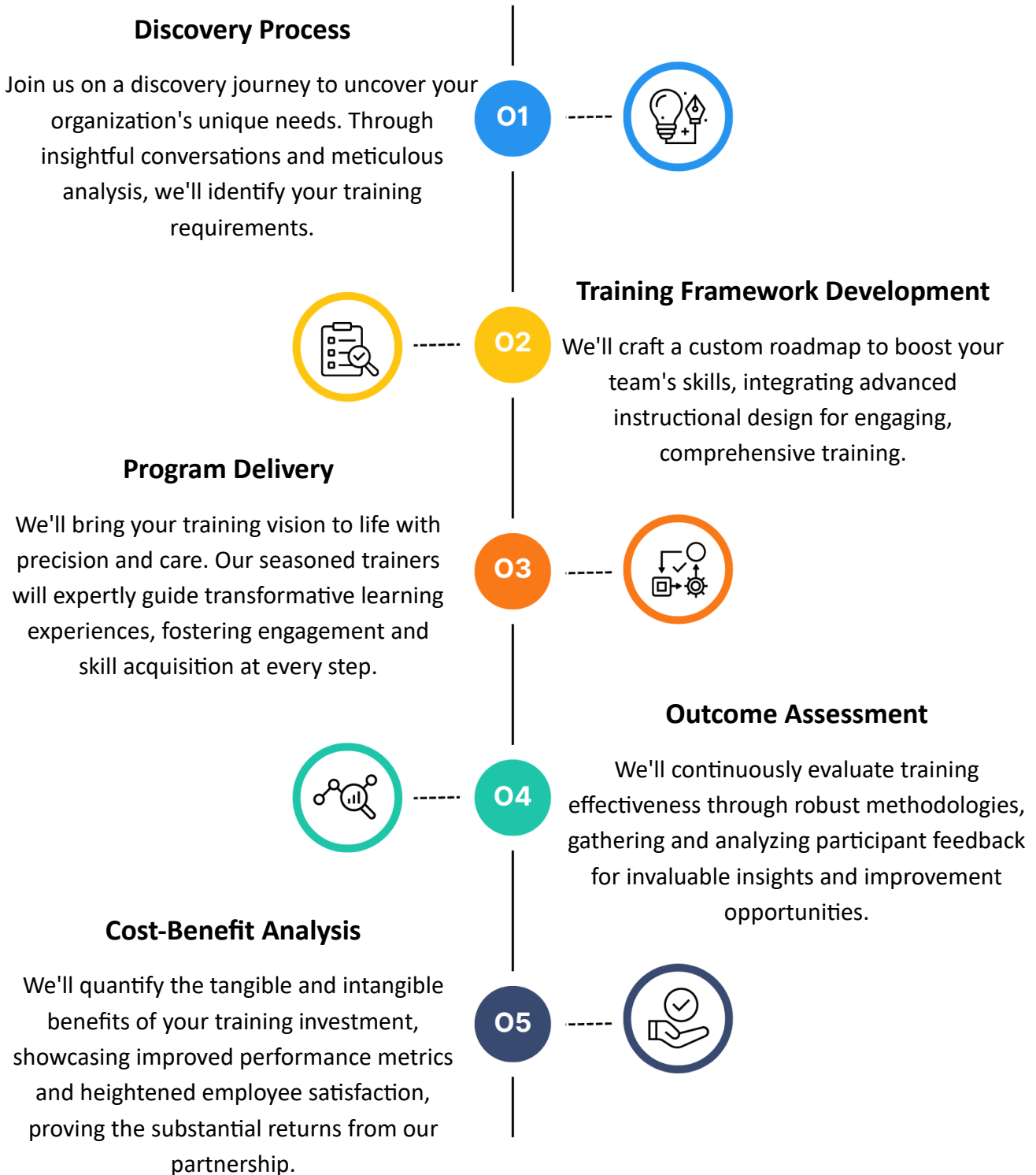
Course Level

- Advanced

Course Duration

- 5 Days – 40 Hours

Creating Tailor - Made Training Programs to Meet Your Specific Goals

Discovery Process

Join us on a discovery journey to uncover your organization's unique needs. Through insightful conversations and meticulous analysis, we'll identify your training requirements.

O1

O2

Training Framework Development

We'll craft a custom roadmap to boost your team's skills, integrating advanced instructional design for engaging, comprehensive training.

Program Delivery

We'll bring your training vision to life with precision and care. Our seasoned trainers will expertly guide transformative learning experiences, fostering engagement and skill acquisition at every step.

O3

Outcome Assessment

O4

We'll continuously evaluate training effectiveness through robust methodologies, gathering and analyzing participant feedback for invaluable insights and improvement opportunities.

Cost-Benefit Analysis

We'll quantify the tangible and intangible benefits of your training investment, showcasing improved performance metrics and heightened employee satisfaction, proving the substantial returns from our partnership.

O5

Course Outline

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.

Module 1: Introduction to Business Central
- Lesson: Describe the Business Central system
- Lesson: Describe the Business Central functional areas
- Lesson: Describe the Business Central architecture
- Lesson: Describe Business Central apps
- Lesson: Describe the upgrade process
- **Lab 0:** Lab prerequisites

Module 2: Administration
- Lesson: Manage Business Central
- Lesson: Manage application security in Business Central

Module 3: Development Process
- Lesson: Install and configure a Business Central development environment
- Lesson: Create, debug, and deploy an extension in Business Central

Module 4: AL Objects
- Lesson: Build and extend tables and pages in Business Central
- Lesson: Build and extend reports
- Lesson: Develop codeunits
- Lesson: Design and create an XMLport
- Lesson: Work with entitlement and permission set objects
- Lesson: Create queries in Business Central
- Lesson: Build control add-in objects
- **Lab 01:** Create an extension containing a: table, table extension, pages, page extension
- **Lab 02:** Implement installation and upgrade code in an extension
- **Lab 04:** Add a column and layout to a base report.

Module 5: AL development
- Lesson: Describe the essential development standards
- Lesson: Use Application Language (AL) to extend Business Central
- Lesson: Customize the UI experience and implement onboarding techniques
- **Lab 03:** Add a Rolecenter and Profile

Module 6: Development Tools
- Lesson: Work with the Business Central Performance Toolkit
- Lesson: Set up Source Control by using Git
- Lesson: Set up Application Lifecycle Management
- Lesson: Implement Semi-Automated Test Processes and run standard Business Central tests
- Lesson: Manage and analyze telemetry
- **Lab 06:** Setup source control, Git, in an extension.

Module 7: Integration
- Lesson: Implement APIs
- Lesson: Integrate with Microsoft Power Platform based on APIs
- Lesson: Access REST services from within Business Central
- Lesson: Integrate with Microsoft Azure
- Lesson: Describe Microsoft Teams integration
- **Lab 05:** Develop custom API pages and queries.

Indus Tech Services

Who We Are....

Indus Tech Services is an IT company that specializes in providing comprehensive training, consulting & implementation services for software solutions designed to address the diverse business challenges faced by organizations today. With a passion for technology and a deep understanding of business processes, Indus Tech is committed to empowering businesses to optimize their operations, boost productivity, and drive sustainable growth.

Indus Tech Services and Microsoft Partnership

As a proud **Microsoft Partner**, **Indus Tech Services** is uniquely equipped to deliver top-tier training and certification programs designed to meet the evolving needs of today's workforce. Our partnership with Microsoft allows us to offer direct access to the latest tools, resources, and industry insights, ensuring that our courses are aligned with the most current technology trends. This collaboration enables us to provide unparalleled support to our students, helping them gain the skills and knowledge required to excel in their careers. By choosing Indus Tech Services, you're not just learning; you're gaining a competitive edge with Microsoft-backed expertise and certification.

Why Choose Us...

From time to time, life serves up a profound nudge, urging us to step beyond our routines and make a difference in the world. Indus Tech Services emerged from one such compelling wake-up call. We are not just a company; we are a dedicated force with a belief in providing solutions to organizations, regardless of their size, and we infuse a human touch into everything we do.

Our Expertise

With over 25 years of collective experience navigating the intricacies of daily business transactions, irrespective of geographical, cultural, time zone, or language barriers, our team has honed their expertise to meet any challenge head-on. This wealth of experience has armed our resources with an unparalleled understanding and skill set to tackle a broad spectrum of obstacles.

Training

With two decades of unwavering commitment and a global footprint, our company is a true pioneer in the fields of linguistic, transactional, technical, and behavioural training for some of the world's largest corporate entities. Our unparalleled expertise has been refined through years of dedication and innovation, making us the go-to choice for businesses seeking transformative training solutions.

Consulting

Our company has been at the forefront of providing world-class IT consulting services to organizations spanning the globe. With an extensive and proven track record, we have honed our expertise to meet the ever-evolving technological needs and challenges faced by businesses, regardless of their scale or industry.

Implementation

Our experience covers a broad spectrum of IT implementation services, including system integration, software deployment, network architecture, cloud migration, and infrastructure setup. We understand that the successful execution of IT projects is pivotal to an organization's growth and efficiency. Therefore, we bring a depth of knowledge and a commitment to delivering results that set us apart.

To know more contact us at info@industechservices.com or call us at +91 - 99961 61170.