

COURSE 80730

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Development Basics in Microsoft Dynamics 365 for Operations

1. Introduction to Visual Studio

Day 1 Time: 0.5 hours

- A. Module Overview
- B. Fleet Management Scenario
- C. Setup and Configuration
- D. Practice: Configure Visual Studio
- E. Terminology and Concepts
- F. Naming Convention
- G. Navigation
- H. Projects, Models, and Packages
- I. Practice: Create a Project
- J. Using Elements
- K. Practice: Create an Element
- L. Performing Builds
- M. Practice: Build and Compile
- N. Module Review

2. Architecture

Day 1 Time: 1 hour

- A. Module Overview
- B. Application Stack
- C. Server Architecture
- D. Cloud Architecture
- E. Module Review

3. Labels and Resources

Day 1 Time: 1 hour

- A. Module Overview
- B. Labels
- C. Fleet Management Scenario
- D. Create and Use Labels

- E. Search Labels
- F. Best Practices for Labels
- G. Practice: Create Labels
- H. Resources
- I. Create and Use Resources
- J. Module Review

4. Base Enumerations

Day 1 Time: 1 hour

- A. Module Overview
- B. Fleet Management Scenario
- C. Create a Base Enumeration
- D. Practice: Create Base Enumerations
- E. Best Practices
- F. Module Review

5. Extended Data Types

Day 2 Time: 1 hour

- A. Module Overview
- B. Fleet Management Scenario
- C. Primitive Data Types
- D. Create an EDT
- E. Best Practices
- F. Practice: Create Extended Data Types (EDTs)
- G. Module Review

6. Tables

Day 2 Time: 1 hour

- A. Module Overview
- B. Fleet Management Scenario
- C. Create a Table
- D. Adding Data Types
- E. Practice: Create Tables
- F. Key Properties
- G. Table Inheritance



- H. Temporary Tables
- I. Queries
- J. Practice: Create Queries
- K. Best Practices
- L. Module Review

7. Table Indexes

Day 2 Time: 1 hour

- A. Module Overview
- B. Fleet Management Scenario
- C. Index Types
- D. Create an Index
- E. Practice: Create an Index
- F. Best Practices
- G. Module Review

8. Table Relations

Day 3 Time: 1 hour

- A. Module Overview
- B. Fleet Management Scenario
- C. Relations
- D. Creating a Relation
- E. Best Practices
- F. Practice: Create a Table Relation
- G. Module Review

9. Form Patterns

Day 3 Time: 2 hours

- A. Module Overview
- B. Fleet Management Scenario
- C. Form Patterns and Subpatterns - Part 1
- D. Form Patterns and Subpatterns - Part 2
- E. Form Patterns and Subpatterns - Part 3
- F. Layout Properties
- G. Check Form Pattern
- H. Module Review

10. Form Creation

Day 4 Time: 1 hour

- A. Module Overview
- B. Fleet Management Scenario
- C. Create a Form
- D. Form Controls
- E. Adding Elements
- F. Practice: Create Forms
- G. Practice: Adding Elements
- H. Best Practices
- I. Module Review

11. Menus

Day 4 Time: 0.5 hours

- A. Module Overview
- B. Fleet Management Scenario
- C. Creating Menu Items
- D. Practice: Create Menu Items
- E. Creating Menus
- F. Practice: Create a Menu
- G. Module Review

12. X++ Overview

Day 4 Time: 2 hours

- A. Module Overview
- B. Fleet Management Scenario
- C. Code Editor
- D. Create a Runnable Class
- E. Practice: Create a Runnable Class
- F. Intellisense
- G. Data Types
- H. Variable Declaration
- I. Key Operators
- J. Basic Syntax - Part 1

- K. Basic Syntax - Part 2
- L. Comparison Tools
- M. Debugger
- N. Best Practices
- O. Module Review

13. Classes

Day 5 Time: 2 hours

- A. Module Overview
- B. Fleet Management Scenario
- C. Class Structure
- D. Create a Base Class
- E. Methods
- F. Class Inheritance
- G. Best Practices
- H. Module Review

14. Database Manipulation

Day 5 Time: 1 hour

- A. Module Overview
- B. Fleet Management Scenario
- C. Data Retrieval
- D. Reading Records
- E. Transaction Integrity Checking
- F. Data Insert
- G. Data Updates
- H. Data Deletion
- I. Module Review

15. Exception Handling

Day 6 Time: 1 hour

- A. Module Overview
- B. Fleet Management Scenario
- C. Exception Types

- D. Key Commands
- E. Code Statements
- F. Module Review

16. Security Basics

Day 6 Time: 1 hour

- A. Module Overview
- B. Security Architecture
- C. Create a Role
- D. Create a Duty
- E. Security Properties on Key Elements
- F. Module Review

17. Introduction to Advanced Topics

Day 6 Time: 1 hour

- A. Module Overview
- B. Business Intelligence
- C. Reporting Services
- D. Services and Integration
- E. Data Entities
- F. Module Review

18. Course Review

Day 6 Time: 0.5 hours

- A. Course Review