

Using AL in Microsoft Dynamics 365 Business Central

Table of Content

Module 1: Modern development environment

- Getting started with visual studio code – overview
 - Introduction to visual studio code
 - Installing al support in visual studio code
 - The logical database and its objects
 - Extensions
 - Creating a new extension
 - Json configuration files
 - Build and deploy an extension
 - Using code snippets
 - Properties and triggers
 - Object properties and triggers
- Lab- Creating and Running an AL Extension*

Module 02: Tables

- What is a Table
 - Table Properties
 - Field Properties
 - Table Relations
 - Regular Table Relations
 - Filtered and Conditional Table Relations
 - Keys
 - Field Group: DropDown and Brick
 - Calculated Fields
 - Creating a Table
 - Using Code Snippets
 - Setting Properties, Keys and Table Relations
- Lab-Create a Table*

Module 03: Table Extension

- What is a Table Extension?
 - Table Extension Properties
 - Creating a Table Extension
 - Using Code Snippets
- Lab-Create a Table Extension*

Module 04: Pages

- What Is a Page?
 - Page Types
 - Page Description
 - Page Properties
 - What Are Controls?
 - Control Areas
 - Control Types and Subtypes
 - Group and Repeater, Cue Group and Fixed Layout
 - Linking Pages and Page Parts
 - Creating Pages
 - Control Properties What are Actions?
 - Page Actions and Role Center Actions
 - Action Properties
- Lab-Create a Card Page*
Lab-Create a List Page

Module 05: Page Extensions

- What is a Page Extension?
 - Page Extension Properties
 - Creating a Page Extension
 - Using Code Snippets
- Lab-Create a Page Extension*

Module 06: Entitlements and permission sets

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

Module 07: Basics of AL Programming

- Language
 - Assignment And Punctions
 - Expressions (Operators)
 - Options
 - Enums & Enums Extension
 - Work with collections Frequently Used AL Procedures
 - Conditional Statements
 - Repetitive Statements
- Lab-Basics AL Operator*

Module 08: Built-in Functions in Business Central

- String functions
- Numeric
- Round
- Abs and Power functions
- Array functions
- List functions
- System functions

Module 09: Debugging in Business Central

- Dialog function debugging techniques
- Debugging with MESSAGE and CONFIRM
- Debugging with DIALOG
- Debugging with text output
- Debugging with ERROR
- The Business Central debugger
- Activating the debugger
- The debugger windows

Lab-Debugging in Visual Studio Code

Module 10: Files

- Working with the File Object
- Working with the TempBlob Object
- Streaming
- File Management - Reading and Writing
- File Management - Working with Streams and the Tempblob Table

Lab-Reading and Writing Files

Module 11: XMLPorts

- What is an XMLPort?
 - XMLPort Properties and Triggers
 - Designing XMLPorts
 - Creating XMLPorts
 - Working with Plain Text
 - Using XMLPorts in AL Code
- Lab- Create an XMLPort to Export XML Data*
Lab- Create an XMLport to Export Variable Text

Module 12: Queries

- Query Design
 - Aggregating and Ordering Data and Date Methods
 - Creating a Query Example
 - Accessing Queries from AL
 - Advanced Query Concepts
- Lab- Using a Query for a Chart*
Lab- Using Queries in AL

Module 13: Reporting

- Report Components
 - Report Design Process
 - Design the Data Model Report and Data Item Properties
 - Create an RDL Layout Report Overview
 - Create an RDL Layout Report
 - Grouping and Totaling Overview
 - Report Triggers and Functions
 - Report triggers flow
 - Processing Only Overview
 - Word Report Layouts Overview
- Lab- Creating a Basic Report*
Lab- Creating a Processing Only Report

Module 14: Power BI

- Enabling Your Business Data for Power BI Overview
 - Using Microsoft Dynamics 365 Business Central as a Power BI Data
- Lab- Use Microsoft Dynamics 365 Business Central as a Power BI Data Source*