2 Days | Development II in Microsoft Dynamics AX 2012

This two-day instructor-led course introduces professionals to the tools available in Microsoft Dynamics AX 2012 development environment.

Course Details

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Course Outline

Course Introduction:

- Identify key features of developing with X++.
- Describe the basic foundation of object-oriented programming.
- Use the development tools available within Microsoft Dynamics AX 2012.
- Create object and data models from existing application elements by using the Reverse Engineering tool.
- Use best practices to instill good programming habits.
- Declare and use extended data types for variables.
- Use the various operators available in X++.
- Control program flow using conditional statements in X++.
- Repetitively call the same blocks of code by using Loop statements.
- Use standard functions that are built in to the application.
- Use output commands to display data and messages to the user.
- Use the classes within Microsoft Dynamics AX 2012 X++ development.
- Control access to methods using Access Control Method Modifiers.
- Extend a class using the concept of inheritance.
- Describe the differences between an object and a class.
- Initialize variables in the appropriate place according to scoping rules.
- Call methods within the same class.
- Use the different method types available.
- Describe the similarities and differences between tables and classes.
- Use the eventing publisher and subscriber model when modifying code in the application.
- Retrieve data from the database using a select statement.
- Create, update and delete data in the database.
- Use and build queries using kernel classes.
- Examine the exception handling mechanism in Microsoft Dynamics AX.
- Use the Try, Catch, and Retry statements.
- Throw an exception from code.
- Identify and create code used to handle optimistic concurrency exceptions.
- Set permissions on application elements.
- Design and create security policies.
- Secure unsafe Application Programming Interfaces (APIs) using the Code Access Security framework.
- Authenticate data returned from display methods.

Who Should Attend

The intended audience is experienced systems consultants typically working for a Microsoft Dynamics partner that is selling, consulting, implementing, and supporting Microsoft Dynamics AX 2012.

Pre Requisite

Before attending this course, applicants must have:

1. working experience with Microsoft Dynamics AX and some knowledge of technical features of Microsoft Dynamics AX 2012 architecture and development environment.
2. completed Course 80303A, Development I in Microsoft Dynamics AX 2012.

Exams

Microsoft Certified Professional (MCP) []

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