

Course title

Developing a Progress OpenEdge ABL Application

Course duration

Equivalent to 32 hours of instructor-led training

Audience

This course is for developers who will be developing ABL applications or integrating ABL applications in their enterprise applications.

Description

Advanced Business Language (ABL) is Progress Software Corporation's proprietary language designed for developing business applications. It is a high-level language that supports procedural, dynamic, and object-oriented programming. In this course you will learn how to develop an OpenEdge application using Progress Developer Studio for OpenEdge. You will learn how to incrementally develop an application that utilizes OERA design principles and how to write code using recognized best practices.

The material that you receive with this course includes a Course Guide and an Exercise Guide which includes hands-on lab exercises and step-by-step solutions, and a CD with example code and lab files with solutions.

This course is also available online with a subscription to the [Progress Education Community](#).

Version compatibility

This course is compatible with Progress OpenEdge 11.6 or later.

Role-based learning path

This course is a part of the following role-based learning path:

- OpenEdge Developer
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What you will learn

After taking this class, you should be able to:

- Prepare your environment for developing a Progress OpenEdge application.
 - Develop ABL code using traditional procedural programming.
 - Develop object-oriented ABL code using classes.
 - Develop the business logic of your ABL application to include Business Entities.
 - Write application code to work with various ABL data types.
 - Write application code to control execution logic.
 - Run Business Entities in an AppServer.
 - Develop the Data Access and Data Source layers that use a Progress OpenEdge database.
 - Write application code to handle errors in your application.
 - Write application code to use database triggers, transactions and locking with a Progress OpenEdge Database.
 - Test an OpenEdge ABL application using the Pacific Application Server for OpenEdge.
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Prerequisites

Students should already be able to:

- Describe the process architecture of an OpenEdge application
 - Describe OERA
 - Create workspaces and projects in Progress Developer Studio for OpenEdge
 - Develop applications in a high-level programming language
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