Course title

Using ProDataSets

Course duration

Equivalent to 16 hours of instructor-led training

Audience

ABL developers that will incorporate ABL datasets into their application on either the client side or server side.

Description

This course is intended for application developers who want to incorporate modern, efficient data-handling in their applications. Students should have experience working with Advanced Business Language (ABL). This course guides students through the design and development of applications using ABL datasets (ProDataSets).

In this course, the student will learn how to identify when and where to use datasets and then practice incorporating datasets into applications during hands-on exercises using Progress Developer Studio for OpenEdge. The course emphasizes defining, populating, and performing data operations using datasets and sharing data with other applications. The course includes an overview how datasets are used in a distributed architecture, how to control the behavior of datasets, and how read or write dataset data as JSON data.

The materials that you receive with this course include a Course Guide, which includes hands-on lab exercises and step-by-step solutions, and a CD with example code and exercise 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.

Role-based learning path(s)

This course is a part of the following role-based learning path(s):
- OpenEdge Developer

What you will learn

After taking this course, you should be able to:
- Explain what a dataset is.
- Write ABL code to:
    - Define datasets.
    - Populate a dataset in server-side code.
    - Modify data in a dataset in client-side code.
    - Apply changes to a dataset to the database in the server-side-code.

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- Detect and handle dataset events.
- Detect and handle dataset errors.
- Read and write dataset data as JSON.

Prerequisites

Students should already be able to:

- Run internal and external procedures
- Retrieve data from the database using queries
- Define and populate temp-tables
- Pass parameters to and from procedures
- Use table buffers
- Use object handles, attributes, and methods
- Handle errors
- Use Developer Studio for OpenEdge to create projects, procedures, and edit ABL code.