

# SmartComponent Library Training

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TRAINING

**Course Duration** 5 days

**Description** The SmartComponent Library is a framework from Consultingwerk, designed to modernize existing OpenEdge applications and to provide the foundation of new projects – in the cloud and on premise. The architecture of the SmartComponent Library simplifies integration with future technologies and the implementation of new business requirements.

- Day 1**
- Architectural Overview: The SmartComponent Library, the OpenEdge Reference Architecture (OERA) and the Common Component Specification (CCS)
  - Overview of the training environment, Tools, Progress Developer Studio Workspace, AppServer
  - Using the Business Entity Designer to build and test Business Entities
  - Overview of Internet Resources for the SmartComponent Library

- Day 2**
- Developing Business Entities
  - Accessing Business Entities
  - Simple and Complex Validation
  - Using Dataset Model Classes
  - Strong Typed Queries
  - The Hidden Gems: The Util Helper Classes

- Day 3**
- Complex Query Scenarios
  - Command line tools: Scaffolding and Static Names Generator
  - GUI for .NET Application Development
  - Generating GUI for .NET Applications with the SmartComponent Library
  - Building Complex Screens

## Day 4

- Business Tasks and Invokable Methods
- Object Serialization Options
- Building RESTful Services
- Testing RESTful Services using PASOE
- Logging Options
- Command line tools: Trimming and monitoring the PASOE

## Day 5

- GUI for .NET Applications Development
- Generating GUI for .NET Application with the SmartComponent Library
- Building Complex screens

## Prerequisites

- Progress Developer Studio for OpenEdge (basics)
- OOABL (basics)
- ProDatasets (understanding of concepts at least)
- AppServer (basic understanding)

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