PowerBuilder 12.5 .NET Features

Course Summary

Description

This course introduces students to the new features of PowerBuilder implemented since PowerBuilder 11, and explores PowerBuilder 12.5's two development IDEs (Integrated Development Environments) - the Classic IDE and the new .NET IDE.

Objectives

At the end of this course, students will be able to:

- Deploy PowerBuilder applications as .NET WinForm applications.
- Deploy PowerBuilder applications as ASP.NET WebForm applications.
- Deploy PowerBuilder applications as Smart Client applications.
- Use non-PowerBuilder .NET assemblies in PowerBuilder applications.
- Deploy PowerBuilder NVOs as .NET assemblies for use with other .NET languages.
- Deploy PowerBuilder NVOs as Web Services.
- Explain new terminology related to .NET.
- Navigate within the .NET IDE.
- Create WPF applications.
- Migrate an existing PowerBuilder Classic application to a WPF application.
- Describe and use XAML.
- Explore and use the new features of the WPF DataWindow, including the use of Custom Controls the many new graph types.
- Explore and use other new features such as Interfaces, Enumerations, Properties, Indexers Namespaces, and Overloaded Constructors.
- Use .NET classes and their methods inside of the PowerBuilder IDE.
- Inherit from .NET

Topics

- PowerBuilder 12.5 Enhancements Since PowerBuilder 11
- Implementing .NET Applications in PowerBuilder 12.5 Classic
- PowerBuilder 12.5 .NET IDE

Audience

This hands-on course is designed for application programmers responsible for the migrating PowerBuilder 11 applications to PowerBuilder 12.5.

Prerequisites

Students should have experience in developing PowerBuilder applications in PowerBuilder 11.

Duration

Five days

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Course Outline

I. PowerBuilder 12.5 Enhancements Since PowerBuilder 11

II. Implementing .NET Applications in PowerBuilder 12.5 Classic

A. Overview of PowerBuilder for .NET
B. Creating .NET WinForm Applications
C. Creating .NET Web Forms Applications
D. Creating Smart Client Applications
E. Using .NET Assemblies in PowerBuilder
F. Creating .NET Assemblies in PowerBuilder
G. Web Service DataWindows
H. Creating PowerBuilder .NET Web Services

III. PowerBuilder 12.5 .NET IDE

A. Navigation with the .NET IDE
B. New features with the .NET IDE
C. Creation of WPF (Windows Presentation Foundation) applications
D. XAML
E. Skinning a PowerBuilder application
F. WPF DataWindow
G. Custom Controls the many
H. New graph types
I. . Net Interfaces, Enumerations, Properties, Indexers, Namespaces, Overloaded Constructors
J. Use of .NET classes and their methods
K. WCF (Windows Communications Foundation) and the new WCF Proxy to call a WCF Service

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