

Microsoft Windows Presentation Foundation (WPF) (4035)

Introduction to WPF

- Why WPF?
- What Is WPF?
- .NET Core and WPF
- WPF Overview
- Application and Window
- A Simple WPF Application
- Using Visual Studio 2022
- Brushes
- Panels

2. XAML

- Role of XAML
- Elements and Attributes
- Namespaces
- Property Elements
- Type Converters
- Content Property
- Collections
- XAML and Procedural Code

3. WPF Controls

- Button
- Label
- TextBox
- ToolTip
- RadioButton
- CheckBox
- ListBox
- ComboBox

4. Layout

- Sizing
- Positioning
- Transforms
- Canvas
- Drawing Shapes
- StackPanel
- WrapPanel
- DockPanel

- Grid
- Scrolling
- Scaling

5. Dialogs

- Message Boxes
- Win32 Common Dialogs
- Custom Modal Dialogs
- Custom Modeless Dialogs

6. Menus and Commands

- Menus
- Context Menus
- Icons on Menu Items
- Commands
- Keyboard Shortcuts
- Disabling Menu Items
- Checking Menu Items

7. Toolbars and Status Bars

- Toolbars
- Toolbars and Commands
- Status Bars

8. Dependency Properties and Routed Events

- Dependency Properties
- Change Notification
- Property Value Inheritance
- Support for Multiple Providers
- Routed Events
- Routing Strategies

9. Resources

- Resources in WPF
- Binary Resources
- Logical Resources
- Static versus Dynamic Resources