

Silverlight 4.0

(5 days hands-on)

Silverlight is Microsoft's latest platform for creating rich internet applications (RIA), based on XAML. This course provides comprehensive coverage of Silverlight 4.0, and explores all the cool things you can achieve these days! You'll also learn how to use Prism to create composite applications.

This course can be used as part of your preparation for Microsoft Exam 70-506: TS: Silverlight 4, Development.

Contents:

- **Getting Started with Silverlight:** Overview of Silverlight concepts and features; Silverlight vs. WPF, Flash, and Ajax; Creating a simple Silverlight application; Events; Commands
- **Creating a User Interface:** Page layouts; Content controls; Range-based controls; Items controls; Page navigation
- **Rich Text Editing:** Overview of rich text; Using a RichTextBox; Editing text
- **Application Management:** Application initialization parameters; Application splash screens
- **Resources, Styles, and Triggers:** Logical resources; Defining styles; Using triggers
- **Data Binding:** Data binding concepts and terminology; Binding a data source to a control; Handling property-change notifications; Converting data; Validating data
- **Data Binding to Collections:** Binding to a collection; Defining data templates; Using collection views
- **User Interface Effects:** Defining shapes; Performing animations; Creating and using transforms; Using brushes
- **Using Control Templates:** Overview of control templates; Defining control templates for content controls; Defining control templates for items controls
- **Graphics and Multimedia:** 2-D graphics; Using images; Multimedia
- **Creating Attached Behaviours:** What are attached behaviours? How to create attached behaviours; Defining and using actions
- **Web Service Integration:** WCF concepts; Calling WCF services from a Silverlight application
- **The Model-View-ViewModel Pattern:** The need for MVVM; How MVVM works; Benefits of using MVVM
- **Using the MVVM Light Toolkit:** Overview of the MVVM Light Toolkit; Creating an MVVM Light application; Implementing commands; Mapping events to commands

Who Should Attend:

Developers who want to RIAs using Silverlight using leading-edge design patterns.

Prerequisites:

3-6 months experience in .NET. Experience in Silverlight or WPF is not assumed.