

Course Outline

2544 – Advanced Web Application Technologies with Microsoft Visual Studio 2005



Duration: 2 days (12 hours)

Learning Objectives:

- Build dynamic Web applications
- Create controls for Web applications
- Optimize Web applications
- Build customizable Web applications
- Build Web Part pages and Web Parts

Target Audience:

This workshop is intended for corporate or independent software vendor (ISV) application developers who have a desire to learn more about specific technology areas in Web application development

Prerequisites:

- Have attended or studied Workshop 2543A, Core Web Application Technologies with Visual Studio 2005, or possess equivalent knowledge and skills
- Know how to use delegates and events
- Know how to improve the security of .NET Framework 2.0 applications
- Be able to use instrumentation in code

Topics Covered:

- Building Dynamic Web Applications
 - Dynamic Control Creation
 - Localization and Globalization
 - Dynamic Master Pages
 - Dynamic Web Configuration
- Creating Controls for Web Applications
 - User Controls
 - Custom Web Server Controls
 - Composite Web Server Controls
 - Templated Controls
- Optimizing Web Application Performance
 - The Page Scripting Object Model
 - Tracing and Instrumentation in Web Applications
 - ASP.NET 2.0 Caching Techniques
 - Asynchronous Processing in Web Applications

- Web Farm Development Considerations
- Implementing Personalization and Themes in Web Applications
 - ASP.NET 2.0 Personalization Features
 - Theme Support in ASP.NET 2.0
- Building Web Part Pages and Web Parts
 - What Is a Web Part?
 - What Is a Web Part Page?
 - Connected Web Parts