



## **Advanced ASP.NET 2.0 and ASP.NET AJAX with Jeff Prosise**

**April 10th - 11th, 10:30 a.m. till 5:30 p.m. ET via Live Meeting**

ASP.NET 2.0 is chock full of new features, from master pages and data source controls to membership, role management, and profile services. Yet just beneath the surface are numerous features such as expression builders, virtual path providers, and asynchronous pages that many developers have never even heard of, much less utilized. These features are augmented by ASP.NET AJAX, the new AJAX framework created by the same team that produced ASP.NET. Take your ASP.NET expertise to the next level by learning about key (and often undocumented) ASP.NET extensibility points and programming models, and by learning how to add AJAX magic to your Web apps.

Day 1 focuses on ASP.NET 2.0 itself, with an emphasis on building highly scalable, secure applications. Highlights include writing custom providers to integrate ASP.NET's membership and role management services with existing membership and roles databases; learning how to hack ASP.NET Web sites and how to defend against those hacks; obfuscating (and even eliminating) ASPX files by using virtual path providers to serve up pages; and writing asynchronous pages, asynchronous HTTP handlers, and asynchronous HTTP modules to better utilize the ASP.NET thread pool and maximize the scalability of your site.

Day 2 offers a deep dive into ASP.NET AJAX. ASP.NET AJAX is a free framework that simplifies the development of AJAX-enabled Web pages and Web applications. It is both a set of server-side extensions to Microsoft ASP.NET 2.0 and a client-side library written entirely in JavaScript that is agnostic to browser types and server platforms. ASP.NET AJAX abstracts the mechanics of AJAX so developers can build AJAX-enabled applications without having to become experts in JavaScript, XML-HTTP, and other technologies that make up AJAX itself. First you'll learn the basics. Then you'll learn how ASP.NET AJAX works and how to extend it to add new features and capabilities.

### **Day One** (Advanced ASP.NET 2.0)

- Best Features of ASP.NET 2.0 You've Never Heard Of
- Extending ASP.NET 2.0 with Custom Providers
- Hacking (and Hack-Proofing) ASP.NET Web Sites
- Asynchronous ASP.NET Programming

### **Day Two** (ASP.NET AJAX)

- Introduction to ASP.NET AJAX
- ASP.NET AJAX on the Server: the ASP.NET 2.0 AJAX Extensions
- ASP.NET AJAX on the Client: The Microsoft AJAX Library
- ASP.NET AJAX Web Services and Optimizations