



Microsoft ASP.NET ~~Atlas~~ ^{AJAX}
Client-side Coding Made Easy

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Microsoft ASP.NET AJAX

- What is it?
- What can I do with it?
- Why should I use it?
- How do I use it?
- What does it cost me?
- When's the coffee due?



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What Is It?

● Well, lets start with **AJAX**

- Asynchronous JavaScript and XML
- Set of complimentary technologies to enhance client-server communication
- Helps web apps to be responsive and interactive
- Time consuming, messy, browser-specific

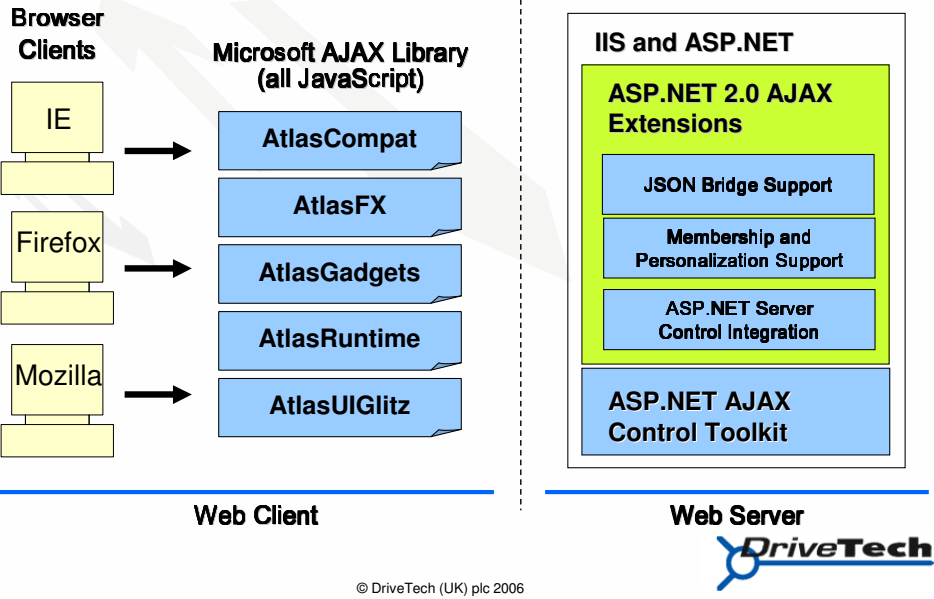
● So, **ASP.NET AJAX** is a set of extensions that add **AJAX** functionality to **ASP.NET**

- Using the ASP.NET programming model and paradigm
- Fully integrated with server-based services
- Hides many complexities, but has some limitations



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What Is It?



What Can I Do With It?

● **AJAX is all about client responsiveness and interaction**

- Basically achieved by moving some processing from the server to the client

● **ASP.NET AJAX allows you to**

- Enhance web pages with client-side features and functionality
- Use a consistent set of OO APIs for creating client code
- Create cross-browser web applications
- Call web services directly from the client
- Do all of this in VS.NET



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Why Should I Use It?

- **Responsive applications with cross browser reach** rather than 'Rich'
 - Dull and boring to use
 - Limited features and functionality
- **High productivity** AJAX technologies require significant development knowledge and effort
 - Time-consuming and error-prone to create
- **Seamless integration with .NET** base problems
 - Delivers the benefits in an accessible package
 - A cornerstone of future web development technologies with support for debugging and tracing in .NET 3



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How Do I Use It?

- **Download and install the current release**

- <http://ajax.asp.net>

- **Create a new web site**

- Use the ASP.NET 'Atlas' Web Site template

- **Away you go ...**

- ... well maybe not quite so fast

- **Take a step back, read the documentation, check out the samples and understand what its all about**

- Then, away you go



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Demo Time

● Core controls

- ScriptManager
- UpdatePanel

● Control Toolkit

- Controls
- Extenders



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What Does It Cost Me?

● Nothing. Nada, zip, zilch.

- No fees or runtimes
- No specific software requirements
- Will even work with Visual Web Developer Express

● But when it comes to hosting...

- Be aware that ASP.NET AJAX uses some slightly non-standard settings for IIS
 - .aspx files, for example
- May need to check out support if hosted by a third party



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Nearly Coffee Time!

● Any questions?

- Right now
 - Shout out
- Today / tomorrow
 - Come and have a chat with me
- After the conference
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● Thanks very much



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