

Develop 4x faster



Sound travels 4x faster in water than in air

.NET – Develop and implement at 4x the speed

- *Feature-rich browser applications in weeks, not months*
- *Eliminate backlog – projects on time and within budget*
- *Legacy and disparate systems enhanced and integrated with minimum risk*

The challenge

Traditionally, IT application development is highly technical, involving enormous IT resource and expense. Migrating complex business processes to the web has increased this complexity many fold. Yet, your customers demand access to vital information and services on-line, 24/7.

How does your company get ahead in today's competitive market? How do you deliver vital new IT products and services ahead of your nearest rivals? However, you can't ignore your multi-million pound investment in current IT infrastructure. Rejuvenating legacy applications and merging disparate systems to fit today's wired-up world is one of the biggest challenges facing today's IT department.

Microsoft .NET

.NET is at the core of many companies' strategies to develop the next generation of software applications and web services. However, .NET is seen as highly complex and the sole domain of the IT developer. According to leading analyst group, Forrester Research, the typical .NET application takes nearly nine months to deploy and hundreds of thousands of pounds to develop.

Because of the complexity of today's web-based systems, .NET developers are often on a steep learning curve. The difference between success and failure can be very fine.

The answer

FastNET ASP is a new, rapid application development framework for producing web applications on the Microsoft .NET platform. FastNET ASP provides a complete framework for producing industrial strength .NET applications in weeks, not many months. Critically, FastNET ASP makes it much easier and straightforward to build, deploy and administer secure, high-performing .NET applications.



"FastNET ASP plugs a gap in the market for developers working with Microsoft .NET, requiring a fast-to market development environment for producing Web-based applications."

Michael Azoff, Senior Analyst, the Butler Group

Fingernails develop 4x faster than toenails

FastNET ASP provides robust business objects, base classes and a completely dynamic user interface layer. Complex .NET web applications can be developed and delivered at four times the speed of typical .NET applications.

Enhanced productivity

With up to 80% of your time currently spent specifying the look and feel of the application to meet end-user requirements, it is no surprise that applications and projects are delayed.

With FastNET ASP, .NET developers can concentrate entirely on database design and business logic in their chosen .NET language. This leaves user interface design to non-programming staff, providing you with unparalleled productivity, speed to market and significant cost savings.

Applications

FastNET ASP provides your organisation with the ability to address multiple IT development requirements: rejuvenating legacy systems; creating new web-based applications; and providing a common web interface to seamlessly integrate multiple back-end business processes.

FastNET ASP gives your business the agility and speed to drive the delivery of vital new IT applications, unencumbered by traditional, complex web application development environments.

Key benefits:

- Speed – Develop new applications in a quarter of the time
- Cost-Effective – Projects delivered on time and within budget
- Low Risk – Analysts and system level users can design screens. Developers focus on business logic
- Competitive Advantage – Get ahead of the competition. Deliver new applications in weeks
- Common Interface – Rejuvenate legacy systems and seamlessly integrate disparate IT systems in one feature-rich browser application

About FastNET ASP

FastNET ASP is a trading division within the SoftSols Group of companies and has been founded to take advantage of its .NET developer tool-set.

FastNET ASP's robust, scalable technology is based on SoftSols Group's 20 years of experience as a leading, independent software house. Developing mission-critical applications for a wide range of leading multi-nationals around the world, SoftSols Group gained considerable expertise and insight into the complex rules needed to develop flexible, internationally deployable web-based applications. This is reflected in FastNET ASP's innovative, flexible framework technology.

Don't be a toenail



What is FastNET ASP?

FastNET ASP is a Rapid Application Development (RAD) framework for producing web applications on the Microsoft .NET platform. FastNET ASP employs a multi-tier, multi-layered architecture, so that presentation is kept independent of the data model.

Non-technical business analysts and power users can build rich web interface screens using FastNET ASP. Developers can produce business logic and multiple database access using the Visual Studio.NET development environment.

A Database Access Layer ensures easy connectivity to any database. The zero footprint rich browser presentation layer only requires JavaScript enablement. No initial download of any plug-in is required.

- A great way to rejuvenate legacy applications: FastNET ASP can build a feature-rich browser interface for legacy applications with minimum coding. Data from disparate systems can even be combined into one simple browser application to give users a consistent method of accessing all legacy data
- The fastest way to address application backlog: FastNET ASP is the ideal way of delivering internal systems and satisfying requests from end users that are constantly rescheduled due to lack of resource and conflicts in priorities
- New web applications in days not months: Developing with FastNET ASP can be four times faster than conventional .NET coding. Live prototypes can be developed in hours with fully specified solutions up and running in days
- Simple entry into the world of .NET with minimum risk: FastNET ASP provides a unique opportunity to migrate to the latest Microsoft .NET technology. Dramatically reduce the steep learning curve and associated risks of adopting new technology
- Microsoft tested: FastNET ASP has been independently tested and meets the requirements of the Microsoft Server and Managed Code platform tests. FastNET ASP's parent company – SoftSols Group – is a Microsoft Certified Partner
- Completely compatible with Microsoft Visual Studio: FastNET ASP provides patent pending technology in the form of business objects and base classes that can be accessed using any Microsoft .NET compatible language
- Easy to justify: FastNET ASP provides a Return On Investment (ROI) within three months for a small team of developers. Even small, one-person projects can experience a 260% ROI in the first year

Key features

- Development environment
 - A robust set of base classes and business objects written in C# utilising the Microsoft ASP.NET framework
 - Additional business logic is written using the standard Visual Studio .NET development environment
 - Presentation layer is designed within a browser
- Database
 - Data access layer allows connectivity with a wide variety of SQL compliant databases
 - Additional user-defined fields can be added to the database with custom lookups without programming or recompilation
 - Metaschema information is automatically used by FastNET ASP to understand table relationships and obtain primary key information
 - Databases without metaschema information are also supported
- User interface
 - Presentation layer design is configured without programming
 - FastNET ASP generates a default presentation layer based on business objects
 - Presentation layer is data aware, providing alternative layouts based on key data
 - Dynamic column filtering, sorting and repositioning without writing SQL or coding
 - Field validation by reference to business objects or a user-defined dictionary
 - Styles are defined for each user with cascading style sheets
 - Data grids contain information for dependent child tables
 - File input field enables files to be upload to the web server for processing
 - In-line HTML frame provides a live link to another web site within the FastNET ASP presentation layer
 - In-line form allows embedded FastNET ASP forms within forms
 - HTML link provides a hyperlink to a web site using data obtained from the database
 - Email link provides a hyperlink to composing an email message using data from the database
 - Scheduler control provides a sophisticated component for allocating resources to time slots
- Deployment
 - Zero footprint web browser architecture provides immediate access to the final application from any PC without initial download or plug-Ins
- Security
 - Security system controls the user's rights to access data within the database
 - Users can have their own individual menus
- Reporting
 - Integration with Microsoft Reporting Services and Crystal Reports
 - Reports can obtain data directly from the FastNET ASP business objects preserving the security defined for individual users
 - 'Key Performance Indicator' graphs may be added to user menus
- Additional features
 - Documents, images, drawings and objects can be attached to any record in the system
 - All attachments can be stored securely within the database as 'BLOB's'

Create a new .NET application in minutes
simply follow these six simple steps...

1. Design the database

Design a database using relevant tools for the target database (Microsoft SQL Server, SQL Anywhere, Microsoft Access, Progress RDMS and Oracle etc)

2. Create a data set

Simply create a new data set in Microsoft Visual Studio by dragging and dropping the table definitions

3. Create a .NET business object

To build a new business object, simply derive a new Object from one of FastNET ASP's base objects

4. Generate presentation layer

FastNET ASP automatically creates a default presentation layer for all entities and relationships in a data set

5. Customise

Use the FastNET ASP browser based design tools to change the user interface, add default values to fields and refine data controls. Add look-ups and data validation options

6. Edit the user menus

Simply add your new option to the menu definition. New functionality becomes available as soon as the user refreshes the browser

FastNETasp

Life is very different **at 4x the speed**

FastNET ASP

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