



## INTRODUCTION

Protium XML is the world's first syllabic computer language.

As such, Rapid Application Development for the Web, or Web RAD, can be done better in Protium than any other language.

In terms of the language itself, the commands are made up of small distinct parts, like syllables in a word. They thus have a grammatical structure, giving the language clarity and making meanings easier to learn for those wishing to use it.

As a new, powerful, server side scripting language, based on XML technology, Protium will be immediately familiar to persons conversant with XML (or to a lesser degree, HTML).

The breakthrough features contained in Protium are the result of years of groundbreaking research into the nature of computer languages.

Protium's first and main achievement was to provide a solution for Web RAD in the networked age. Protium achieves this by a simple and fast process of retrieval of information from database backends and rendering of the information as Webpages.

Protium has contemporaries in Perl, Coldfusion, Java Servlets, PHP and Microsoft Active Server Pages, though none of these offer the speed, simplicity and rapidity of Application generation that Protium can deliver.

## TECHNICAL NOTES

Protium runs as a cgi-bin application on a webserver. The current implementations are for the Windows NT platform, but porting efforts are underway for other environments, most notably Linux and Solaris.

The recommended webserver is the Microsoft's IIS. However, the 'standard' version of Apache is also fine, as are other Web servers such as Xitami.

As an XML dialect, all valid HTML is therefore valid Protium. Protium converts the scripts (\*.prx) into conformant HTML. No extra Protium specific tags are visible in the HTML returned from a Protium application to the web-browser. So therefore the processed code is easily understood by a web-browser, but the underlying application code is hidden from the user as well as any pathing to directories that could represent a potential security breach.

In a nutshell, ¶Protium is extremely:

- easy to use
- fast
- secure
- stable
- and efficient.

¶Protium's unique templating system encourages code re-use and allows the generation of complex, many paged, web sites with a consistent look and feel.

In lay man's terms, it is the leading Web RAD solution of today for tomorrow.