



## Visual Perl

## Visual Python

## Visual XSLT

**... are plug-ins for  
Microsoft's next  
generation  
development  
environment -  
Visual Studio .NET**

ActiveState, the industry-leading purveyor of productivity tools for open source programming languages, has developed extensions for Microsoft's Visual Studio.NET to support Perl, Python, and XSLT.

Until now, developers who work in Visual Studio have been limited to the programming languages supported by Microsoft. With ActiveState's integration of Perl, Python, and XSLT, and with more open source language integrations to come, these developers will be able to choose the best language for any programming task without leaving their preferred development environment - Visual Studio .NET.

These popular programming languages have unique strengths:

- Perl, with its strong text processing capabilities, has long been the most popular programming language for building Internet applications. It is used by over two million programmers worldwide and at companies such as Compaq, Intel, Motorola, Starbucks, and numerous Wall Street firms.
- Python is an interactive, interpreted, object-oriented programming language. Its elegant syntax has attracted a new generation of programmers, while its powerful module and package systems also make it a favorite of experienced systems developers.
- XSLT has become the preferred language used for XML-based document transformation, the backbone of many sophisticated B2B and electronic publishing systems.

Visual Perl, Visual Python, and Visual XSLT provide the powerful functionality expected by Visual Studio developers, including a rich syntax-aware editor, statement completion, method tips, and graphical debugger support.

**Editor** - Adds language-aware editing for Perl, Python, and XSLT to Visual Studio .NET. Syntax checking and coloring provide instant feedback, making it easier to quickly write correct code. Function tips save time otherwise spent referring to documentation.

**Debugger** - ActiveState's Visual Studio plug-ins include debuggers with unique language support.

























**Project Manager** - The Visual Studio plug-ins ensure that Perl, Python, and XSLT files are recognized and properly treated, giving Visual Studio developers the ability to integrate programs written in open source languages into complex multi-language solutions.

ActiveState's Visual Studio plug-ins reduce the learning curve for programmers new to Perl, Python, and XSLT. By working within the familiar Visual Studio environment, Visual Perl, Visual Python, and Visual XSLT combine the power of open source languages with Visual Studio .NET's ease-of-use.

Visual Perl, Visual Python, and Visual XSLT are available from the ActiveState Programmer Network ([www.ActiveState.com/ASPN](http://www.ActiveState.com/ASPN)). To install these products, you must have access to the Beta 2 version of Microsoft's Visual Studio .NET.

We invite you to explore and provide feedback on our exciting new products. Join ActiveState's Visual Studio announcement lists (<http://aspn.activestate.com/ASPN/Mail/>), to receive notices regarding ActiveState's Visual Studio plug-ins.



| <b>Visual Studio.NET Plug-in Features</b>   | <b>Visual Perl</b>  | <b>Visual Python</b>  | <b>Visual XSLT</b>  |
|---|---|---|---|
| Editor – adds language-aware editing to Visual Studio .NET. Syntax checking coloring, and auto-indenting provide instant feedback that makes it easier to quickly write correct code.   |    |    |    |
| Auto-Completion – editor provides context-sensitive dropdown lists of appropriate code sequences  |   |    |    |
| Debugger – language-specific debugger support   |    |    |    |
| Project Manager – ensures that files are recognized and properly treated  |    |    |    |
| Code Folding – recognizes discrete blocks of code, and provides visual clues that indicate where blocks of code can be collapsed and expanded   |    |   |    |
| Multi-language debugging – In conjunction with ActiveState's PerlNET, components can be written in Perl and used from other .NET-compliant languages. Components and their clients can be debugged in one seamless environment. |    |   |   |
| Remote debugging – debug Perl programs running in other processes on the same machine, on other Windows machines, and even other types of machines that have a compatible version of Perl installed                             |   |   |   |
| View variables and expressions while debugging. Numeric values may be displayed in hex.   |  |  |  |
| Synchronized debugging – indicates the current line in the XSL program and the XML input and output files   |   |   |  |
| XML breakpoints – set breakpoints in both the XML input file and the XSLT program   |   |   |  |
| Improved Call Stack – while debugging, the Call Stack window displays the function name, line number, and filename for each stack frame in the program  |  |  |  |
| Graphical access to the Perl Dev Kit – specify parameters using a GUI, and save setting in project files  |  |   |   |

For more information about ASPN, check out [ActiveState.com/ASPN](http://ActiveState.com/ASPN) or contact us toll-free in North America at 1.866.866.2802 or by email at [EnterpriseSales@ActiveState.com](mailto:EnterpriseSales@ActiveState.com)

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