



Progress
OpenEdge 10

WebSpeed® Workshop

WebSpeed® Workshop is the best integrated development environment for building highly-scalable business applications that process large volumes of transactions over the internet.

WebSpeed® is a proven solution for quickly building and deploying business applications across corporate intranets, extranets, and the Internet. With WebSpeed, business applications that require powerful database connectivity and state management – such as supply chain management, order entry, customer service, and inventory control – can keep pace with the rapidly evolving world of multi-tier, multi-platform Web application development.

WebSpeed Workshop is an integrated suite of development tools for building ITP (Internet Transaction Processing) applications that run on the WebSpeed Transaction Server component of the OpenEdge Application Server, a robust server for deploying ITP applications with very high availability, high scalability, and rapid response rates.

SpeedScript Delivers Powerful Business Processing to the Web

WebSpeed Workshop is an Integrated Development Environment that allows you to develop distributed application logic with a Web-specialized language called SpeedScript. You then combine that logic with an HTML user interface.

WebSpeed Workshop is integrated in the sense that you develop your application while connected to a Web server and the WebSpeed Transaction Server. This means that you are developing in the environment your application will run in, cutting down on fewer surprises when you deploy and saving you testing/fix/testing cycles.

SpeedScript is a compiled scripting language that enables you to quickly prototype, develop, and maintain Web applications. Take advantage of re-usable business logic components, dynamic queries/buffers, and ProDataSets to create sophisticated Web applications. SmartObjects allow you to define and reuse business logic components from other distributed applications, offering code inheritance, encapsulation and other object-oriented development benefits.

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SpeedScript also includes default HTML visualization to further speed your Web development. You also have the option, however, of using your preferred HTML authoring tool to design and craft an interface that meets your users' specifications. You can also embed JavaScript into your HTML. Alternately, you can embed SpeedScript in your HTML. Use the approach that best fits your Web development approach.

Proven Tools for Rapidly Building Powerful Web Applications

With the graphical environment of the AppBuilder, you can quickly create complex application interfaces simply by using high-productivity tools for mapping HTML and integrating database information. You can draw on a variety of Web objects, ranging in scale from HTML interfaces to SmartDataObjects and CGI Wrappers, automating and simplifying much of the development process.

Use wizards and the provided templates to create professional, multi-page ITP applications with little or no coding, significantly cutting development time while preserving the ability to customize your application. Or create your own templates to achieve consistency and efficiency in a team development environment.

A set of browser-based WebTools are plugged into the AppBuilder. The Scripting Lab allows you to quickly write and test code, including JavaScript. With the Scripting Lab, you can test code fragments quickly before adding them to your WebSpeed application. This will increase your productivity and help you create feature-rich user interfaces and browser-side validation routines using JavaScript, VBScript, and Java™ applets. Other WebTools let you check syntax, view database schema information, and monitor the Web server environment through an intuitive interface.

In addition, WebSpeed Workshop includes tools essential for building robust business applications, whether they be Web-enabled or not:

Open Client Toolkit

- Generate Java, .NET, and Web services proxies for accessing Progress 4GL business logic on the AppServer™ from J2EE, .NET and other platforms.
- Create components for deployment in a client/server, n-tier, or Web environment.

Application Compiler

- Compile source procedures individually or in groups.
- Specify file-overwriting rules.
- View and modify the list of directories on your PROPATH.
- Create one set of executable code that runs on all supported platforms.

Debugger

- Validate applications quickly and thoroughly. This tool is supported in graphical environments only (including those on UNIX and Linux), that is environments that support the Java swing class.
- Locate and correct errors in application logic or data handling in any OpenEdge application component.
- Track the flow of control in an application, even a highly-distributed one.
- Examine the contents of buffers and variables.
- Access state information.
- Trace processing events.

Data Dictionary

- Create and maintain database definitions, application defaults, and business rules.
- A central storage mechanism for all database information insulates you from the specific details of each database type and location.
- The Progress 4GL uses Data Dictionary defaults automatically when you build new application components.
- Make a single change to a definition stored in the Data Dictionary and have that change automatically inherited by every application component that refers to the original definition.

Data Administration

- Build an application database.
- Dump and load data and definitions, in binary or text format.
- Exchanging definition information from non-OpenEdge data sources for use with OpenEdge DataServers for Microsoft SQL Server, ODBC, and Oracle.
- Define application security and permissions.
- Import and exporting data to and from a variety of sources.
- Maintain and tailor deployed databases.

OpenEdge Development Server

- Run and validate code for a distributed applications on development-scaled AppServer (2 Agents), WebSpeed® Transaction Server (2 Agents), OpenEdge RDBMS (Personal, 1 Registered Client) and Client-Networking (1 Registered Client).
- For Web-based applications, you can run applications over an ISAPI-, NSAPI- or CGI 1.1-compliant Web server.

Specifications and Requirements

Product: OpenEdge 10. Note that this release of Translation Manager and Visual Translator supports translating code from the Progress family of products from Version 6 through 9 for deployment on OpenEdge 10.

Platform Support: Windows® 98/XP/NT/2000 and Citrix Metaframe. Translations created using Translation Manager and Visual Translator on Windows can be deployed on UNIX or Linux platforms.

For more information about *WebSpeed Workshop*, please contact your local Progress Software sales representative.

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