



Fortune 100 Customers Use Curl

Companies such as Toyota, Panasonic, and Hitachi Displays, Ltd. are using Curl to Web-enable enterprise applications supporting highly complex processes such as financial portfolio management and reporting, resource management, supply chain and distribution.

Curl: The Platform For the Next Wave

Curl is a richer Internet application platform, providing the most powerful and effective environment for developing complex, industrial-strength Web applications. Using Curl, organizations can create a new class of Web-based offerings that provide all the rich interactivity, functionality and performance of client-server applications. Curl is the first choice among companies pursuing innovative SOA and Web 2.0 strategies because it is the only alternative that combines program logic, graphics and text processing into one language/platform. The Curl product set includes three elements: The Curl® Language, the Curl® Run Time Environment and the Curl® Integrated Development Environment.

The Curl product set includes the following:

Curl Language

Designed specifically for use on the Web, the Curl programming language supports rich text formatting and GUI layouts much like HTML, but also offers the fast and easy presentation scripting of JavaScript and the full-featured object-oriented programming of C++, C# and Java.

Curl Run Time Environment

The execution platform for Curl applications provides an extensive collection of built-in APIs, reducing the size and complexity of Curl applications.

Curl Integrated Development Environment

The Curl IDE provides a full set of tools for developing and debugging Curl applications, enabling rapid development via a Visual Layout Editor (VLE) that delivers advanced visual (“WYSIWYG”) functionality.

The Curl Language

Curl was conceived to provide a full-featured and robust technology beyond HTML and JavaScript. It features a unified notation for information, style and behavior, enabling developers to implement a broad range of descriptive and active elements ranging from HTML-like text formats to high-performance 3D graphics. An enterprise-grade environment, Curl offers the full-featured object-oriented programming of C++, C# and Java to deliver performance and functionality far beyond that of conventional Web applications. More than any other Internet application platform, the Curl content language provides “one-stop shopping” where the whole range of content and behavior requirements of Web applications can be satisfied within one framework.

Dashboards for Viewing and Understanding Enterprise Data

Native APIs includes a rich set of charting features.

- 2D and 3D graphics capabilities support lucid, interactive data displays.
- Displays are created autonomously on the client machine, so they can include highly responsive “drill down” capabilities.
- Elastic graphical layout feature means that dashboard displays can adapt naturally to any window size.
- Portals and “mash-ups” integrate data from multiple sources.

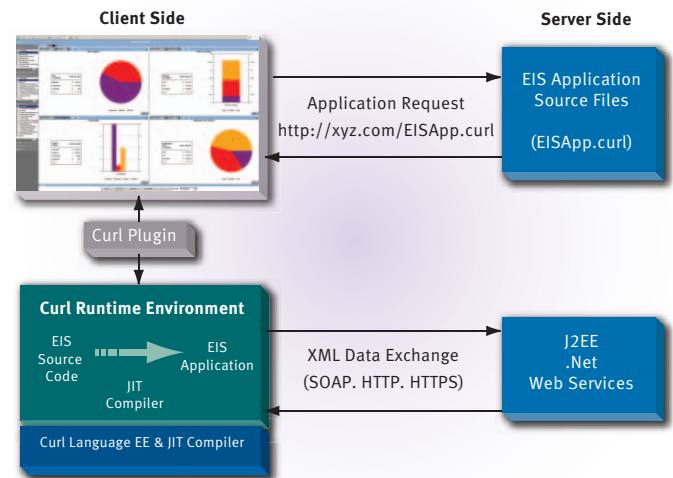
Interactive Forms with Intelligent Data Validation

- Visually attractive forms validate and guide user input.
- Forms and charts can dynamically open out new panels where required.
- Network independence: once an application is loaded, it can run online or offline.

Live Documentation and Interactive Education

- Ideal for creating dynamic, interactive maintenance manuals, training courses and educational materials.
- Applications can combine interactive calculators, diagrams, visualizations, animations or simulations.

Curl Platform: How it Works



The Curl Run Time Environment

The Curl runtime environment (RTE) is the engine that executes Curl applications and renders code, content and graphics on a client machine. Free to end users, the RTE includes a browser plugin so that any user who installs it can run applications from the Web simply by visiting the URL of the application to be executed. With its just-in-time compiler, the Curl RTE renders applications into native code that executes with the full performance of the client machine. Where conventional Web applications render graphics in software, Curl applications enable PCs to fully leverage graphics cards, sound cards and other hardware and drivers, delivering the robust performance typically associated only with client-server applications.

- 2D and 3D graphics libraries provide access to sophisticated, hardware-accelerated rendering capabilities; immediate mode (low-level rendering operations) and retained mode (“scene”) operation.
- Supports event-based interactions.
- Built-in timers and animation features produce dynamic behaviors and displays.
- Audio data may be created and played.

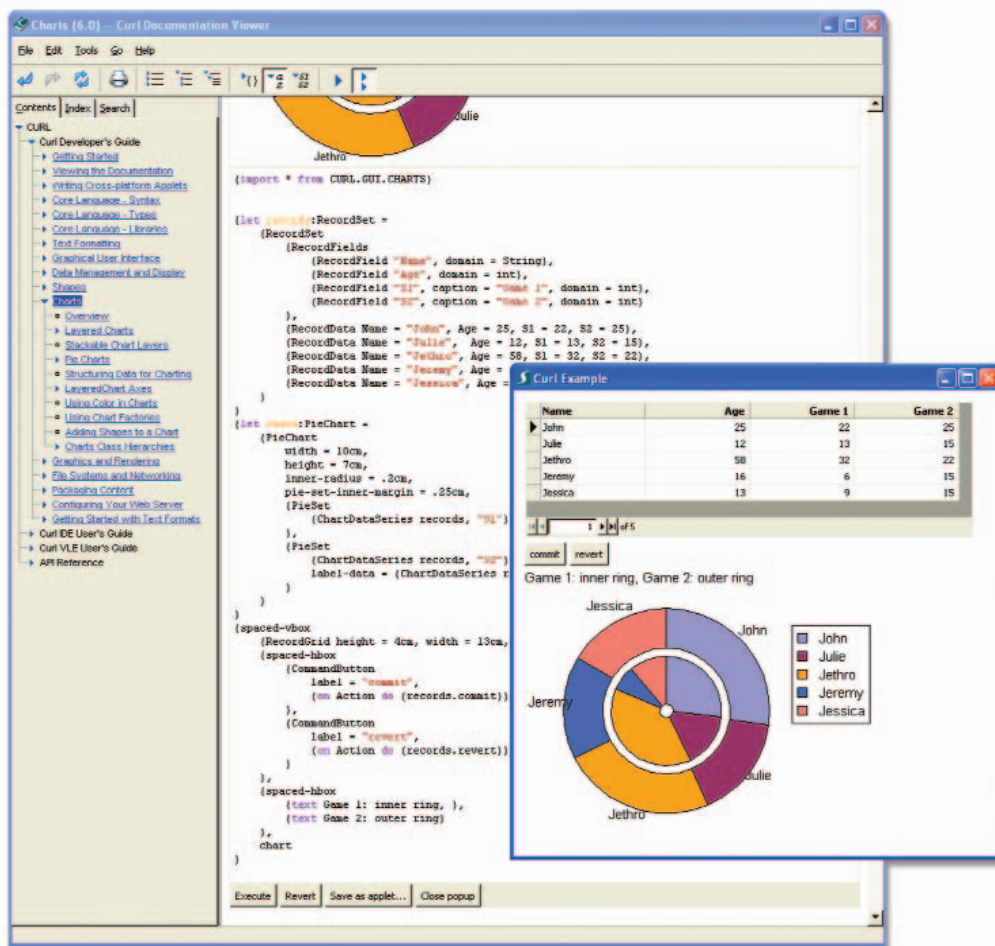
The Curl Integrated Development Environment

The Curl IDE includes everything needed to build rich Internet applications using the Curl content language, from core language libraries and syntax editors to tools for content packaging, server configuration, graphic and chart creation, data management and much more. It includes an advanced GUI Toolkit that supports a range of functionality derived from simple, predefined elements such as text formats, images, links, buttons, drop-down lists, and text fields. These can be used to create both simple HTML-like interactive Web pages and complex, highly customized Web applications. While Curl is an enterprise-class development environment, the Curl IDE makes many advanced operations accessible without difficulty, including:

- Content packaging
- Text formatting
- Shape & chart development
- Application documentation
- Debugging
- Applet profiling
- Data management & display
- Applet testing
- Source code control
- File system management

A Framework That is Definitely Up to Code

Curl provides the rich Internet application platform for building and deploying the next generation of Web-based applications. Using Curl, organizations can create a new class of feature-rich offerings that are ideal for supporting Web 2.0 initiatives and implement powerful enterprise-grade applications within service oriented architectures.



The screenshot shows the Curl IDE interface. The main window displays a code editor with a layered pie chart example. The code defines a record set with fields for Name, Age, S1, and S2, and a PieChart component with two data series. A preview window titled 'Curl Example' shows the rendered chart and a data table.

Name	Age	Game 1	Game 2
John	25	22	25
Julie	12	13	15
Jethro	58	32	22
Jeremy	16	6	15
Jessica	13	9	15

The Curl IDE provides plentiful code samples and easy-to-follow instructions for creating complex and highly useful charts and graphs, including layered pie sets, colorful shaped charts and more.

About Curl

Curl develops and maintains the Curl Rich Internet Application (RIA) platform. The foundational technologies underlying Curl emerged out of research conducted at the Massachusetts Institute of Technology, and the company's first product was released in 2002. Using Curl, developers can implement a new class of complex, business-critical, Web-based applications that cannot easily be developed with Ajax or other smart client technologies. Curl allows organizations with legacy client-server applications to move to Web-based delivery, increasing reach and reducing cost. Founded in 1998, Curl is headquartered in Cambridge, Massachusetts and is a wholly owned subsidiary of Sumisho Computer Systems. Curl has over 300 customers and 40 partners worldwide.

The Curl Team



*Curl, Incorporated • 1 Cambridge Center, 10th Floor • Cambridge, MA 02142-1612
tel: 617-761-1200 • fax: 617-761-1203 • info@curl.com*