

# Clarity Web Connect



## Highlights:

- Provides instant access to 3270 and 5250 applications and data without changing existing code
- Leverages an intuitive visual development environment to capture and enhance end-user environments
- Simplifies screen customization and reengineering of application flows without replacing or augmenting current staff
- Provides the ability to develop, deploy, and call Web Services from any captured screen
- Offers flexible deployment options, allowing multiple platform and browser options
- Supports both HTTP and HTTPS protocols
- Integrates with Clarity™ Service Builder and UniKix™ mainframe rehosting technology

## Rapidly refresh screen-based programs with flexible, user-friendly Web interfaces

Whether you are looking to instantly open up legacy applications to the Web or improve end-user productivity by enhancing screens and customizing workflows, Clarity™ Web Connect software can quickly get your modernization efforts on the right track. With Clarity Web Connect, your current development team can Web-enable existing applications within a matter of hours, not months or years. Web Services can easily be developed and deployed from any current screen as well. Since Clarity Web Connect technology automatically generates user interfaces, no other incremental Web enablement solution is required to meet the growing needs and device-types of your entire customer base.

## Extend the reach of your business applications today

You may be planning to re-architect your valuable legacy assets and expose these applications in a Service Oriented Architecture (SOA) environment in the long term, but your business would benefit by providing Web access to your existing applications and data today. Clarity Web Connect lets your current application components be rapidly transformed from inflexible screen-based programs into modern, user-friendly Web applications while leaving underlying business logic and data processes unchanged.

## Web enable at your own pace

Clarity Web Connect software leverages a Windows-based Visual Development Environment that is simple to use and requires no HTML or Java coding skills to perform basic Web enablement. Once installed and configured, Clarity Web Connect can improve the look of an application in just a few minutes.

The Clarity Web Connect visual editor is installed on the application developer's desktop. With the visual editor, developers can capture, customize, and test 3270 and 5250 screens from mainframe and IBM® System i® server environments, as well as from UniKix mainframe rehosting software deployments.

Once the visual editor starts, a developer first creates a new project for the application screens he or she is looking to capture. The capture tool provided with Clarity Web Connect is then used to connect to the back-end system in question and capture the desired screens to be customized. These screens can now be 'instantly' accessed from a Web browser as-is or further customization can be made before deployment. Some basic improvements that can quickly be made

include customizing the background color of an application, including a company logo, or adding dynamic buttons which map to function AID keys. Once the level of desired changes have been made, new project files are uploaded and deployed using the built in FTP capabilities of Clerity Web Connect.

### Improve and enhance end-user experiences

Captured green screens can be further modernized by simply associating 3270 or 5250 data with graphical objects and interface controls. For example, a standard 3270 input field can be replaced with a Web-friendly input box or drop down list if desired. Examples of other graphic objects that can be added include Text Output Fields, Combo Boxes, Push Buttons, Lists, and Check Boxes.

By using templates, style sheets, and global variables, Clerity Web Connect also lets developers deliver consistent, modern interfaces that can be easily adjusted to fit the appropriate end-user device at hand. With these adjustments, your application will no longer bear any resemblance to its previous green screen format.

If your objective is to enhance end-user productivity, Clerity Web Connect can deliver far more dramatic and sophisticated changes to end-user interfaces than simple 1-for-1 mapping to the Web. Application workflows can be re-engineered by combining and collapsing redundant screens, eliminating fields and screens that are no longer relevant, and changing the tab order within an application screen itself. These changes can simplify the end-user's experience; reduce training requirements, and increase user satisfaction and productivity.

### Web services made easy

An additional feature provided by the Clerity Web Connect visual editor is the ability to develop, deploy, and call Web Services from any screen within a project or script. The visual editor can be used to create Web Services using Web Services Description Language (WSDL) utilizing any combination of input or output fields within the project. Once deployed, the Clerity Web Connect project will be able to call the Web Service with the appropriate input, and parse the returned response.

### Flexible integration and deployment options

Clerity Web Connect can be deployed in a variety of manners, depending on your business and technical needs.

Clerity Web Connect technology can either be installed directly on the back-end mainframe, IBM System i platform, or open systems server, or it can be installed using a three-tier approach.

In the direct scenario, no additional hardware or software is required to expose legacy applications to the Web. A direct session begins when a user requests the URL of the Web application from the Web server. The HTML page containing the Java applet parameters then downloads the applet from the server. The Java applet next dynamically converts the 3270 or 5250 data to a graphical interface format for the Web browser and handles all client processing, including rendering and 3270 and 5250 communications. No external database files are needed or created. The connection is direct to the back-end system and the end-user can view information or enter information and send it back, just as with a terminal but now enhanced with greater accessibility through the Web. If you are looking to provide a zero-client solution that does not require Java applets or any other technology to be downloaded to a client system, or you do not wish to install additional software on your back-end system, you can leverage optional middle-tier technology that is available with Clerity Web Connect.

The three-tier approach eliminates the need for clients to have direct access to back-end applications and provides an all HTML solution that does not require Java applets. The only protocol required to communicate between an end-user and the middle-tier Clerity Web Connect technology in this case is HTTP or HTTPS.

### Comprehensive legacy investment and modernization solutions

With Clerity Web Connect, your organization can rapidly open up existing legacy applications and data to the Web.

Clerity Web Connect is part of a larger suite of migration and modernization offerings from Clerity that look to enhance, extend, and transform legacy assets. Clerity recognizes that companies have significant investments in core applications and procedures and provides a wealth of low risk, high value solutions and technology to reduce IT costs without sacrificing current functionality and service level agreements.

### About Clerity

Learn how Clerity can provide an evolutionary path forward for your applications and data at [www.clerity.com](http://www.clerity.com).



9930 Derby Lane, Suite 202 • Westchester, IL 60154  
Phone 1-888-2-REHOST (or 1-630-981-6100)

© 2010 Clerity Solutions, Inc. All rights reserved. Clerity and UniKix are trademarks, or registered trademarks, of Clerity Solutions, Inc. in the United States and other countries.

IBM and System i are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. All other marks are the property of their respective owners.