Rocket software

Rocket® AcuToWeb®

(formerly a Micro Focus® product)

Rocket AcuToWeb is the perfect answer to the web and mobile deployment needs for Rocket ACUCOBOL* applications. Using Rocket AcuToWeb, Rocket ACUCOBOL applications can be quickly deployed to any platform, in any browser and accessed by mobile devices. Rocket AcuToWeb instantly transforms your application into a modern HTML5 appearance, ready for web, mobile, and the cloud.

Product highlights

With Rocket AcuToWeb, Rocket® ACUCOBOL users can deploy their applications across any platform, any browser and to a wide range of mobile devices. The benefits of transforming Rocket ACUCOBOL-GT* and character applications or web or mobile access can be achieved instantaneously, without risk.

The Rocket AcuToWeb engine automatically renders graphical and character mode screens as HTML5 web pages that can be accessed from a variety of browsers and mobile devices. What's more, no client side installation or browser plugins are required and no code changes are necessary for most Rocket ACUCOBOL-GT application that use the standard set of UI controls.

Rocket AcuToWeb is the fastest path to web and mobile application delivery for Rocket *extend** customers.

How Rocket AcuToWeb works

Rocket displays the user interface portion of your server-based Rocket ACUCOBOL-GT application to a client-side browser; the client-side browser must be HTML5 compliant. Rocket ACUCOBOL-GT developers continue to build Visual COBOL by Rocket* applications using familiar constructs and Rocket AcuToWeb will automatically display the existing application as HTML5 web pages at runtime without need for application code changes.

Rocket AcuToWeb consists of the following tools:

Rocket AcuToWeb Gateway*

Provides web server functionality and HTML5 rendering.

Rocket AcuConnect*

Provides distributed processing in client and server setups.

Rocket ACUCOBOL-GT

Runtime and your ACUCOBOL application and data.

Quick view

Deploy Rocket *extend* applications across leading web and mobile platforms with no requirement for client side installation or browser plugins.

Deliver an instant UI face lift for Rocket ACUCOBOL applications with a modern HTML5 appearance.

Manage a single application code base for UNIX, Linux, Windows desktop, web, and mobile platforms.

Realize a rapid upgrade path and no code change required for most applications that use standard controls.

Use templates to provide clients with a customizable application experience.

Access character apps using a web browser.

Gain support for leading web server platforms and an out-of-the-box web server environment.

What our customers have to say

"We took our software, developed over the last 30 years, and from the exact same code base created this contemporary AcuToWeb solution in less than three months. It has helped us streamline our development processes, deliver a modernized user interface that our customers love, and has given us the flexibility to respond faster to business and design requirements."

Director Product Engineering
Software company

Key features

- Automatic application conversion to HTML5.

- Customizable look and feel for different end user clients.

- Advanced screen logging to assist debugging.

- Support for leading HTML5 enabled browsers without a reliance on client-side ActiveX controls.

- Secure access using SSL.

- Single code base for desktop, web, and mobile access.

- Virtual keyboard for mobile devices.

Rocket AcuToWeb provides an out-of-the-box web server environment but allows the use of standard web server platforms such as IIS and Apache.

For applications that require direct access to the client machine, the Rocket AcuToWeb desktop module can be installed locally on the client, which provides similar services to AcuThinClient such as copying data files or using Rocket ACUCOBOL-GT printer APIs.

Rocket AcuToWeb applications can be deployed in the following ways:

In a single-tiered environment, where the web server, Rocket AcuToWeb, Rocket AcuConnect, Rocket ACUCOBOL-GT runtime, and Rocket COBOL program and data all reside on a single machine.

In a multi-tiered environment where the web server, Rocket AcuToWeb, and your application can all reside on one or more machines.

Rocket AcuToWeb Gateway

The Rocket AcuToWeb Gateway is the server module responsible for routing all traffic between AcuConnect and the connected web browser as well as providing instant screen transformation to HTML5. It includes a basic web server that is responsible for managing all resources required to render the Rocket ACUCOBOL-GT application and make it available to the client.

The Rocket AcuToWeb Gateway takes the output of the runtime and transforms it into HTML5. The Rocket COBOL user interface, now as HTML5, is then sent to the web browser. The Rocket AcuToWeb Gateway runs as a service on Windows servers and as a daemon on UNIX systems. Rocket AcuToWeb receives web socket requests and routes these to Rocket AcuConnect, which is responsible for invoking the Rocket COBOL application.

New in Rocket AcuToWeb 10.3

The latest release of Rocket AcuToWeb offers a new capability to customize your applications using a CSS themes generator.
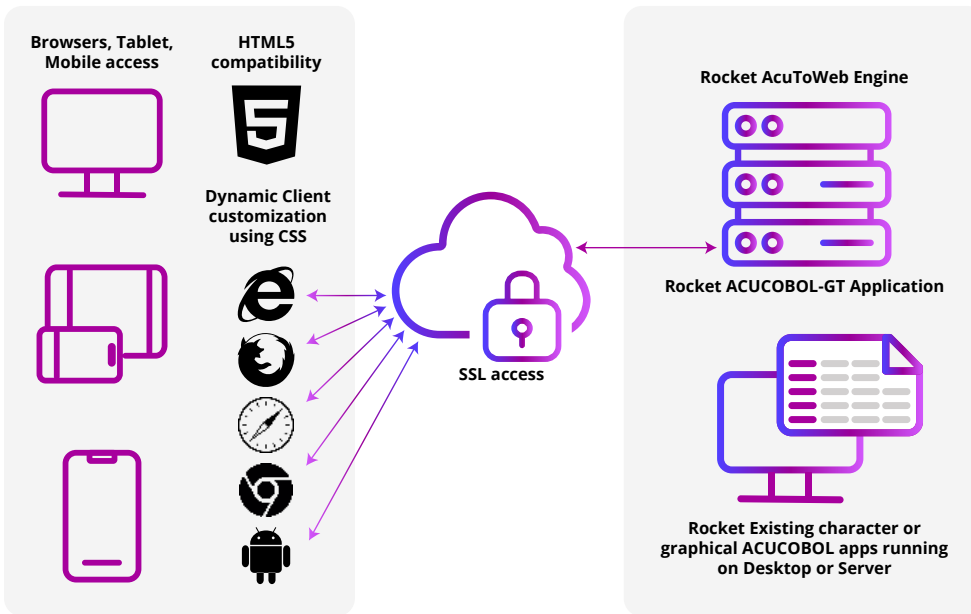
Fig 1. Rocket AcuToWeb Overview.

Customizable web pages

Rocket AcuToWeb uses Cascading style sheets (CSS) that can be modified to provide a customized experience for individual clients.

Rocket AcuToWeb establishes a connection using Rocket AcuConnect to a runtime executing the Rocket COBOL program and drives the information to the Gateway engine, at which point the display is transformed by CSS.

You can customize the CSS so that it changes certain control attributes; for example, if you use the flat style for a push button control on your screens, through CSS you can change how that flat style appears. Essentially, CSS is a language that describes the style of an HTML document and how he HTML elements should be displayed.

Secure access

Rocket AcuToWeb provides a way to establish an encrypted link between the web server and the client using SSL (Secure Sockets Layer). It allows you to keep sensitive information sent across the Internet encrypted between client and server.

Using the latest version, you can customize individual graphical controls on a screen.

* Formerly Micro Focus products.

System Requirements

Requires extend version 10.1 or later

Operating Systems

Windows on Intel X86/X64

- Windows 7
- Windows 8
- Windows 10
- Windows 11
- Windows Server 2008 R2
- Windows Server 2012
- Windows Server 2012 R2
- Windows Server 2016
- Windows Server 2022

Linux on Intel x86/x64

Linux on PowerPC 32 and 64-bit

From Rocket AcuToWeb 10.2

AIX 6.x / 7.x 32 and 64 bit

HP/UX 11v3

Sun Solaris 10 / 11.3

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