MICRO FOCUS

Data Sheet
COBOL

AcuToWeb

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

Product Highlights

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

The 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 ACUCOBOL-GT applications that use the standard set of UI controls.

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

How AcuToWeb Works

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

AcuToWeb consists of the following tools:

- **AcuToWeb Gateway** provides web server functionality and HTML5 rendering.
- **AcuConnect** provides distributed processing in client and server setups.
- **ACUCOBOL-GT** runtime and your ACUCOBOL application and data.

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 AcuToWeb desktop module can be installed locally on the client, which provides similar services to AcuThinClient such as copying data files or using ACUCOBOL-GT printer APIs.

AcuToWeb applications can be deployed in the following ways:

- In a single-tiered environment, where the web server, AcuToWeb, AcuConnect, ACUCOBOL-GT runtime, and COBOL program and data all reside on a single machine.
- In a multi-tiered environment where the web server, AcuToWeb, and your application can all reside on one or more machines

AcuToWeb Gateway

The 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

Quick View

- Deploy ***extend*** applications across leading web and mobile platforms with no requirement for client side installation or browser plugins
- Deliver an instant UI facelift for ACUCOBOL applications with a modern HTML5 appearance
- Manage a single application codebase 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
- Provide secure access to your applications using SSL
- Access character apps using a web browser
- Gain support for leading web server platforms and an out-of-the-box web server environment

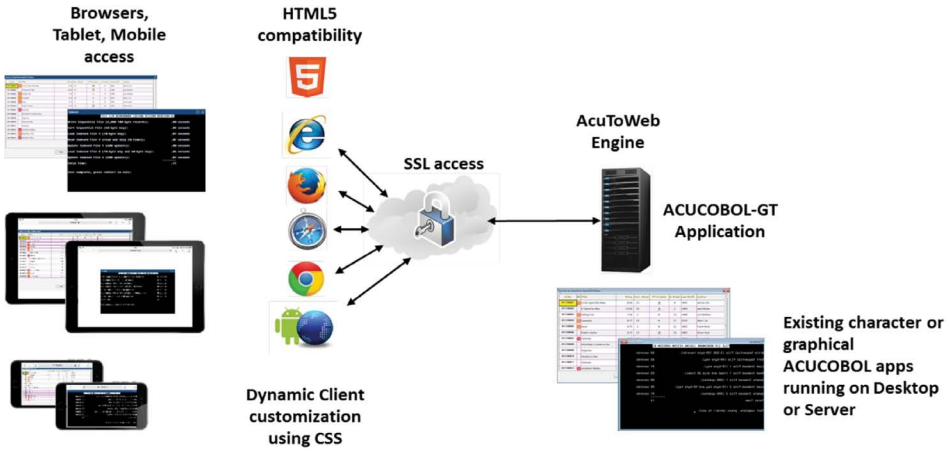

Figure 1. AcuToWeb Overview

that is responsible for managing all resources required to render the ACUCOBOL-GT application and make it available to the client.

The AcuToWeb Gateway takes the output of the runtime and transforms it into HTML5. The COBOL user interface, now as HTML 5, is then sent to the web browser. The AcuToWeb Gateway runs as a service on Windows servers and as a daemon on UNIX systems. AcuToWeb receives web socket requests and routes these to AcuConnect, which is responsible for invoking the COBOL application.

Customizable Web Pages

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

AcuToWeb establishes a connection using AcuConnect to a runtime executing the 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 the HTML elements should be displayed.

Secure Access

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.

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

System Requirements

Requires *extend* version 10.1 or later

Operating Systems

- Windows on Intel X86/X64
  - Windows 7
  - Windows 8
  - Windows 10
  - Windows Server 2008 R2
  - Windows Server 2012
  - Windows Server 2012 R2
  - Windows Server 2016
- Linux on Intel x86/x64
- Linux on PowerPC 32 and 64-bit

From AcuToWeb 10.2

- AIX 6.1 / 7.1 / 7.2 32 and 64-bit
- HP-UX 11.31 IA 32 and 64-bit
- Sun Solaris 10, 11 SPARC 32 and 64-bit

Contact us at:
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"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."

ANNETTE VILJOEN
Director Product Engineering
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