



Web Services GENius

Web services and APIs for Gen applications

Web Services GENius allows you to easily and quickly create Web Services and RESTful APIs from your existing Gen applications, without any change to those Gen applications. This allows you to easily expose your core business functionality for consumption by mobile and web applications.

Expose any Gen module as a web service

Web Services GENius integrates directly with your Gen Encyclopedia so that any existing screen, server, or action block can be exposed as a Web Service or API. This enables existing functionality at any level of granularity, to be quickly customized and exposed as a Web Service or API for direct external consumption by mobile or web apps.

Zero business disruption

Web Services or APIs created with *Web Services GENius* require no change to your existing Gen applications. This key feature means that proven application functionality can be confidently deployed as Web Services, and existing Gen applications remain unchanged. This means that application data integrity is maintained, and costly regression testing is avoided. For large and complex applications, this capability means that ongoing application support and service availability is not put at risk, when developing and delivering new mobile capability.

Web Services or APIs from your Gen applications

The required responsiveness of today's Mobile apps is underpinned by RESTful Web Services or APIs – which *Web Services GENius* exposes directly from your Gen applications. However, many existing internal integrations within an organisation continue to rely upon SOAP Web services, and these are also supported. Both RESTful and SOAP Web Services, or fully compliant RESTful APIs, can be created from each Web Service definition.

Key Benefits

- ✓ Create Gen Web Services and APIs
- ✓ No application changes required
- ✓ No additional skills required
- ✓ Customizable WS interfaces
- ✓ RESTful and SOAP Web Services
- ✓ Fully Compliant RESTful APIs
- ✓ Integrates seamlessly with Gen
- ✓ Make any action block into a Service
- ✓ Make Servers/Screens into Services
- ✓ Quickly leverage your Gen application investment
- ✓ Support for CICS, IMS and EJBs



No additional skills required

Web Services GENius provides Gen developers the capability to create and deploy Web Services or APIs in CICS, IMS or as EJBs whilst insulating them from the range of new technology that RESTful and SOAP Web services, or APIs, are implemented with. This enables your existing development teams to work together quickly and collaboratively to deliver for your business.

Customisable Web Services or APIs

Web Services GENius offers customizable Web Service definitions, which means you expose only the necessary interface components you choose, named in a way that is meaningful to your web and mobile application development teams. Data items from Gen modules can be exposed and renamed in the Web Service definition, or they can be hidden, defaulted, or populated according to rules and values you define.

Integration with Gen and your development processes

Web Services GENius can be integrated into your existing Gen application development environment. One or more Web Services can be defined over any Procedure Step or Action block, and then those definitions are generated into the appropriate Web Service or API artefacts within the target environment, currently CICS. The automated build process is also triggered whenever the underlying Gen modules are changed, which ensures your Web Service integrity is maintained. The automated Web Service build process can be integrated with your existing Change Management products and processes.

Support your agile development teams

The simplicity of creating, customizing and modifying Web Service meshes well with the more agile development approaches typically used for building Web applications and Mobile apps. The rapid exposure of Gen applications as Web Services or APIs embeds your Gen application portfolio as an integral part of your mobile delivery solution.

Integrated performance monitoring

Customers seeking to monitor their Gen applications and exposed Web Services can do so with *APMConnect for Gen* which operates seamlessly with *Web Services GENius* to help ensure service availability.

More information

Website: <https://response-systems.com/web-services-genius/>

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About Response Systems

We empower Gen customers across the globe with software to maximize their returns from Gen.

Established in 1995, Response Systems is based in the UK and Australia with over 150 customers throughout the world. We are a long-established Broadcom Development Partner.

Response Systems is part of the Facet Group (www.facet.com.au), who specialize in the provision of expert Gen Consulting and Project services. Facet is a global Broadcom Service Delivery Partner for expert Gen services.