



## Web Services GENius

### CICS Web services for CA Gen applications

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

### Expose any CA Gen module as a web service

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

### Zero business disruption

CICS Web Services created with *Web Services GENius* require no change to your existing CA Gen applications. This key feature means that proven application functionality can be confidently deployed as Web Services, and existing CA Gen applications remain unchanged. This means that application data integrity is maintained, and costly regression testing is avoided. Especially 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.

### RESTful Web Services from your CA Gen applications

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

### No additional skills required

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

## Key benefits

- ✓ Create CA Gen CICS Web Services
- ✓ No application changes required
- ✓ No additional skills required
- ✓ Customisable WS interfaces
- ✓ Support for RESTful and SOAP
- ✓ Integrates seamlessly with CA Gen
- ✓ Make any action block into a Service
- ✓ Make Servers/Screens into Services
- ✓ Quickly leverage your CA Gen mainframe application investment



## Customisable Web Services

*Web Services GENius* offers customisable 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 CA 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 CA Gen and your development processes

*Web Services GENius* can be integrated into your existing CA 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 artefacts within CICS. The automated build process is also triggered whenever the underlying CA 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, customising and modifying Web Service meshes well with the more agile development approaches typically used for building Web applications and Mobile apps. The easy exposure of CA Gen applications as Web Services embeds your CA Gen application portfolio as an integral part of your mobile delivery solution.

## Mobile delivery and transaction volumes

One of the challenges organisations face when exposing core application functionality for mobile consumption, is the resulting dramatic increase in transaction volumes. Mobile apps generate more transactions due to higher enquiry volumes and repeating part-completed business transactions. Taken together with the continuing explosive global growth of mobile devices, the increase in back-end transaction volumes from mobile devices will continue to grow. IBM recognizes this challenge with their *Mobile Workload Pricing*, providing significant discounts for mobile-sourced z/OS transactions. Customers using *Web Services GENius* may benefit from this pricing model if published Web Services are for mobile consumption.

## Integrated performance monitoring

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

## Contact Us

For further information on *Web Services GENius*, contact us at [info@response-systems.com](mailto:info@response-systems.com)

## About Response Systems

We empower CA Gen customers across the globe with software to maximize their returns from CA 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 CA Technologies Development Partner.

Response Systems is part of the Facet Group ([www.facet.com.au](http://www.facet.com.au)), who specialize in the provision of expert CA Gen Consulting and Project services. Facet is a CA Technologies service delivery partner for expert CA Gen services across the globe.