Are you eager to reuse and multiply the benefits of your CA Gen investment in your Apps strategy?

The Web API Designer for CA Gen will help you reuse your years of investment in CA Gen-based business logic in any Web/Mobile environment, safely, efficiently.

Executive summary

Challenge

Are you opening your business to the outside world? Do your mobile/web developments concur with CA Gen for resources or budgets? Are you pulled apart between reuse and redo?

To really enable you, flexibility and granularity are required. Do you feel limited with your CA Gen assets?

How can you reuse your multi-years investment in business logic development, while building a strong and flexible **Enterprise Architecture**?

Opportunity

Mainframe Services for CA Gen has many years of experience in helping customers build, migrate and integrate CA Gen applications in .Net or Java environments. They have worked hand-in-hand with Enterprise Architects to resolve architectural and design problems encountered during the journey, to the greatest advantage of the customers. Over the years, they have developed powerful tools that embed their deep knowledge, so that customers can profit from it over the years, with a minimal investment, and achieve their objectives.

Today, the **Web API Designer for CA Gen** will give you the flexibility and granularity you need to easily expose your CA Gen business assets to web and mobile apps.

Benefits

Thanks to its strong integration with CA Gen models, the Web API Designer for CA Gen lets you easily reuse CA Gen logic, seamlessly interfacing with your server procedures. With the **CA Gen Action Block Proxy for Java** add-on, you can reuse it in an even more granular way, at the Action Block level.

Thanks to its typical CA Gen-based approach, knowledge requirements are limited to CA Gen concepts and your CA Gen assets. All the knowledge you need to build state-of-the-art REST interfaces to web / mobile apps is encapsulated in the Web API Designer for CA Gen and its generators.

Thanks to its technology-bridging power, you can build upon your years of investment in CA Gen developments and competences and safely take on your next challenge, the new mobile apps world.

The Broadcom Advantage

Mainframe Services for CA Gen is a group of seasoned CA Gen Architects / Consultants, working as a team, who provide exclusive services to customers worldwide. As it is illusory to have expert-level knowledge of each product, environment, 3rd-party product interactions, each member has its own specific area of expertise, providing seamless in-depth knowledge and capabilities to perform and communicate efficiently and effectively in the most stringent business-critical environments.

As part of the Broadcom Mainframe Division, they have unique access to the Development, Support and Education organizations and to a worldwide trust network of CA Gen experts, built through decades of interactions and information sharing.

Thanks to their expertise and the powerful and versatile tools they've developed over the years, responding to customer demand, they efficiently transfer their knowledge to their customers in a lasting and effective way.

Section 1: Challenge

How can you build upon your CA Gen investment in today's IT environment?

In today's IT world, communication and access are key.

CA Gen lets customers start following that route… up to a certain point.

- It provides robust and fast application server logic, accessible through multiple types of middleware

- It gives flexible access to these pieces of server logic, in the major programming environments, through native interfaces (so-called Proxies)

- It lets publish SOAP Web Services, for other parties to access the server logic.

CA Gen Proxy and Web Services solution for an open and flexible environment

CA Gen Product Management has long recognized the need to open the CA Gen distributed architecture, providing proxies and SOAP Web Services access to CA Gen servers through all supported middleware options.

Is this enough? Mainframe Services for CA Gen everyday experience tells it is not.

Today, mobile apps require more flexibility, more lightweight processing and communication. This is a major reason why REST and JSON have gained ground over SOAP and XML.

Till today, no solution has been provided in the CA Gen eco-system to fit these requirements, leaving today's enterprises with questions: Shall I reuse? Shall I redo? What will it cost me? What are the risks? What are the constraints? Where shall I invest?

Section 2: Opportunity

Seamlessly reusing CA Gen business logic in an open environment

Mainframe Services for CA Gen has understood the limitations of the CA Gen eco-system offering, and have come to the **Web API Designer for CA Gen**, a solution that overcomes all of the problems mentioned above:

- By providing REST access with support of XML and JSON messaging to CA Gen business assets, the Web API Designer for CA Gen lets customers easily give access to their assets (procedure steps or even action blocks) from mobile and web applications

- By providing a non-programming interface to fully define the REST Web Services, the Web API Designer for CA Gen focuses on the CA Gen business logic, excluding distractions

- By providing a flexible interface for the definition of REST resources, the Web API Designer lets customers increase granularity and clean the REST interface from the unnecessary specifics of business assets designed with another use in mind

- By fully generating the REST Web Services and their documentation, the Web API Designer for CA Gen minimizes the knowledge requirements

- By encapsulating REST best practices and consistent generation rules, the Web API Designer for CA Gen provides high quality and consistent Web API to access CA Gen business logic
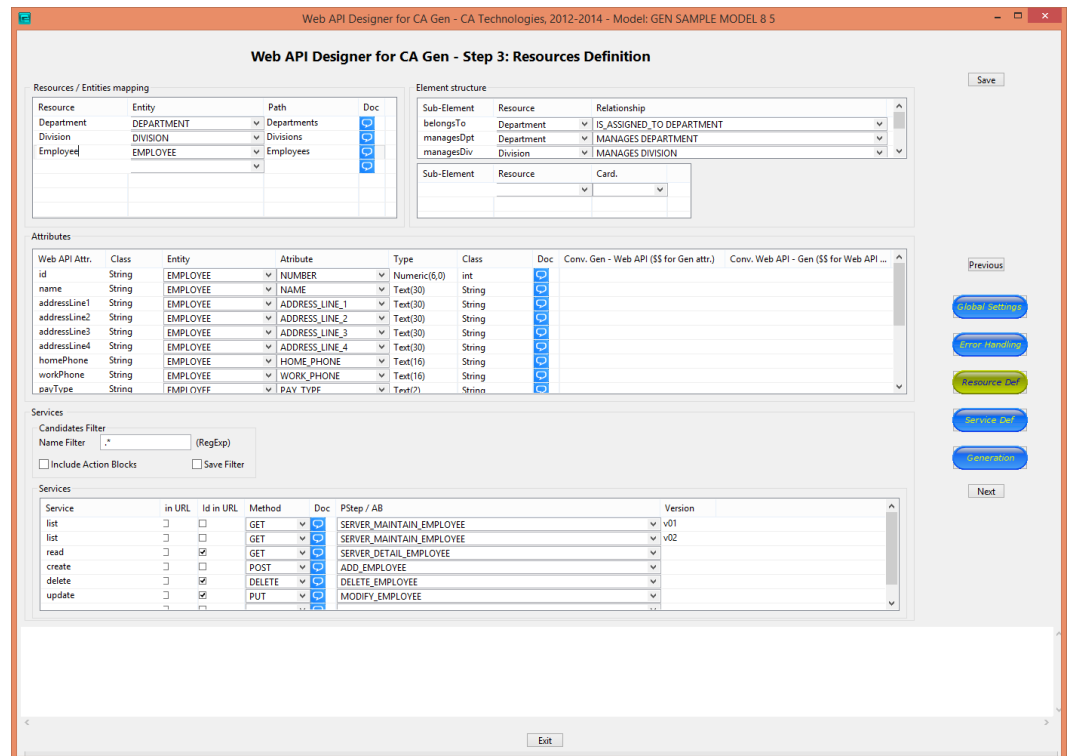

Figure 1 Resource definition

Section 3: Benefits

A high quality, reliable and cost-effective solution for reuse of business assets in web / mobile apps portfolio

The Web API Designer for CA Gen is the key component for a high quality, reliable and cost-effective deployment of CA Gen-based business assets to the web or mobile devices, making the choice between reuse or rebuild obsolete.

It builds upon:

- The strongest advantages of CA Gen,
- Years of expertise in development and integration of complex, reliable and robust applications
- The strongest advantages of REST concepts and frameworks
- The application assets and competencies developed over the years inside CA Gen.

Supported environments

Is your REST server framework one of:

- JBoss RESTEasy
- Spring MVC
- Apache Wink (default on WebSphere Application Server)?

Then, you can use the Web API Designer for CA Gen straight away, accessing your CA Gen code through EJB invocation, Java proxies or Action Block proxies for Java.

Would you want to use any other framework or environment, then contact Broadcom Mainframe Services for CA Gen.

Section 4

The Broadcom Advantage

Working closely with the CA Gen product team, Mainframe Services for CA Gen can help you obtain more value from your CA Gen implementation and applications developed with CA Gen and running on its runtime infrastructure.

With its unique position and decades of experience advising the most demanding CA Gen customers and helping them resolve their problems, at any stage of the application life cycle, Mainframe Services for CA Gen offers you the best assistance to maximize the benefits from your CA Gen investments.

Mainframe Services are committed to your success with Broadcom solutions. Our services professionals assist customers throughout the entire solution lifecycle – from initial assessment and strategy to consulting, implementation and management – with unsurpassed depth of expertise and breadth of services offerings, to deliver real business results with confidence.

Section 5

Next Steps

Mainframe Services for CA Gen can assist you with a complimentary proof of concept and architectural advice on Web API and how you can foster reuse of your current business assets by integrating them into your Web / mobile apps products.

Please contact your account team for more information.