Rocket® CORBA Add-on for REST

Discover the Future of Rocket CORBA

(formerly a Micro Focus® product)

The Rocket® CORBA Add-on for REST provides a standard and interoperable mechanism to enable Rocket CORBA objects to be exposed as REST services. With the Rocket CORBA Add-on for REST, pure REST client applications can transparently use these Rocket CORBA services through the exposed REST.

Rocket Software® is the world's largest provider of Rocket CORBA products. Our heritage of innovation within the CORBA industry includes two of the most widely deployed Premier CORBA suites — Rocket® VisiBroker* and Rocket® Orbix*. Additional offerings include Real-time Rocket CORBA, and Open source-based products. Rocket CORBA solutions have been under continuous development and improvement for over 25 years. Rocket's commitment to the future of CORBA ensures organizations can continue to rely on CORBA to power their enterprise applications for decades to come.

Key benefits

Standard IDL-RS Annotations

Provide a standards-compliant mechanism to decorate IDL constructs with IDL-RS annotations to clearly and unambiguously define REST representations of CORBA objects, aligned to the OMG REST for CORBA specification.

Full Control over What REST API Are Exposed

Selectively annotate the IDL definitions corresponding to the CORBA objects to be exposed to REST client applications, in order to incrementally extend the reach and use of existing CORBA assets.

No CORBA Needed on the Client Side

Enable REST client applications to utilize readily available REST software stack (such as an HTTP library and JSON or XML library) to access the CORBA services exposed to REST, without requiring CORBA run-time technology or tooling on the client side.

Quick view

Expose CORBA assets to REST with no CORBA programming required.

Leverage OMG IDL version 4 and standards-compliant IDL-RS annotations to define REST APIs to CORBA services.

IDL2REST compiler automatically generates REST API connectors from annotated IDL.

Interoperable with any ORB implementation out there, whether proprietary or open source.

Generate OpenAPI models from annotated IDL for integration with Swagger tools.

Discover the Future of CORBA

Empower REST Developers to Build New CORBA based Applications

Enable REST developers to build new REST client applications that interacts with a custom generated REST API facade, defined by IDL-RS annotations, providing a custom mapping to one or more CORBA objects.

This approach allows to leverage existing CORBA assets without requiring CORBA expertise for the client-side developers, who only need to use tools and technology that REST client developers are already familiar with.

Security Built-in

Easily configure the generated REST API to run securely over HTTPS, utilizing the latest cipher-suites and secure protocols.

Zero-Touch Approach to Enable REST for CORBA Services

No changes required to existing CORBA servers.

Seamless OpenAPI Integration with Swagger Based Tooling

Generate a complete OpenAPI v3 model from annotated IDL for use with open-source OpenAPI/ Swagger tools. Use Swagger-UI to visually document the model and test the REST API, or use the OpenAPI Generator tool to generate client-side SDK libraries for rapid prototyping of REST client applications.

Leverage HTTP Infrastructure to Access Rocket CORBA Assets

Leverage the established approaches that REST over HTTP client applications already employ to achieve load-balancing, NAT traversal, and firewall traversal.

*formerly Micro Focus products

System requirements

- Windows 7, Windows 8.1, Windows

  Server 2008 R2, Windows Server 2016, and Windows Server 2019 with Visual Studio 2008, 2010, 2012, 2013, 2015, 2017 and 2019.

- Linux on Intel platform support including Red Hat 5, 6, 7 and 8, SUSE 12 and 15, Oracle Unbreakable Linux 6, Ubuntu 18 and CentOS 7.

- Oracle JDK 7, 8 and 11.

- Open JDK 8 and 11.

- HP JDK 8.

- IBM® 8.

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