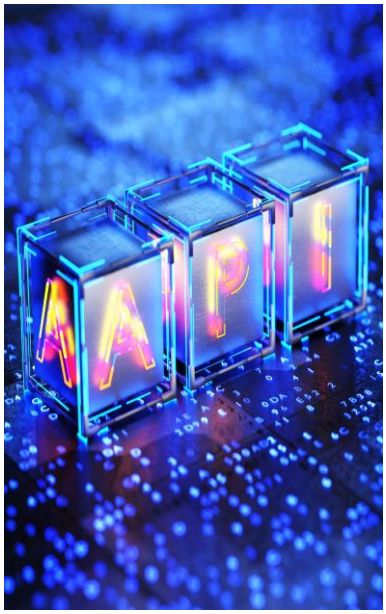
REST4ALL

Web API for all your z/OS Applications.

Connecting responsive web applications…

In modern IT business, responsive mobile-enabled web applications are the state of the art. These applications may run on almost any mobile devices. Code running in the front end client side browser offers an attractive GUI.

The applications use HTTP REST APIs to communicate with different data providers on the backend server side. Data objects are exchanged as JSON or XML strings.



…to your classic z/OS mainframe software.

Today, new application development is seldom mainframe based. Nevertheless, lots of important business processes still reside within classical mainframe software. This often lacks an appropriate interface or a RESTful API. REST APIs may be easily consumed by web applications to modernize your legacy software.

z/OS subsystems host masses of business data. Some include a RESTful API. Others require additional products, which need to be licensed, and can require quite extensive installation and administration efforts.

Depending on your business objectives, budget and available skills, the efforts may be too high to justify adding a REST API to your z/OS software.

REST4ALL easily extends all your z/OS mainframe applications with a modern REST API.

rvs-Systems REST4ALL offers several easy ways to instantly add a RESTful API to almost any of your z/OS applications. It comes with a large set of samples, showing the simplicity to build a bridge from modern responsive web applications to z/OS software. Within a few minutes, a first "Hello REST World" web application will run and access your z/OS code.

REST4ALL does not require any further program product nor language runtime environment.

REST4ALL - Web API for all your z/OS Applications.

Features

- Contains the fast REST4ALL HTTP Server which may use the MVS (DFP) and/or OMVS (zFS/HFS) file systems. It may host your complete web application. No other product required.
- State-of-the-art security using SSL/TLS encryption with AT-TLS and SAF/RACF authentication.
- z/OS applications with a standard parameter interface are extended by using REST4ALL "Standard Application Adapters“. These ready-to-run adapters are table-driven and do not require any additional coding.

- Standard parameter interfaces are Batch jobs, EXEC PARMs, REXX, TSO & ISPF environments, as well as CALL APIs.
- "Standard Application Adapters“ may be extended by user-specific code.
- Further "Standard Adapters" are conceivable (CICS, IMS, DB2, MQ, NCI).

- Alternatively write your own “Application Adapter“, which may be coded in almost any programming language.
- Powerful easy to use full server-integrated REXX API to build a bridge from modern responsive web applications to your z/OS software. No Assembler knowledge required.
- REST4ALL contains a comprehensive set of functions and services to ease the development of your REST API: ASCII/EBCDIC/Unicode conversion and JSON/XML/ControlBlock translation.
- Also available are server-integrated internal REST services plug-ins for authentication with SAF (RACF) or distributed users, and user profile services to store user specific settings.
- Easy installation & customization. As a software customer or user, you just copy, or if you like, install our product to your z/OS system into the MVS (DFP) file system. No knowledge of OMVS zFS/HFS is required, although they are supported.
- As a software vendor or developer, you may integrate the REST4ALL Fast HTTP Server directly into your program package.
- The REST4ALL package also contains many samples how to use the REXX API and PHP. More samples for SQLite, Python, Perl, Node.js etc. will follow.

rvs-Systems GmbH
Alexander-Fleming-Ring 19
D-65428 Rüsselsheim

Tel.: +49 700 78 77 97 83
Email: info@rvs-systems.com
Internet: www.rvs-systems.com

CEO: Dipl. Ing. Carl-Heinz Benecke

Amtsgericht Lübeck HRB 14223 HL
Tax number: 22/296/20042
USt-IdNr.: DE815020336