

# RLX for z/OS

## *REXX Language Xtensions for the z/OS environment*



- **REXX VSAM interface**
- **REXX Software Development Kit**
- **Interpretive REXX compiler**
- **Numerous utilities and sample execs**
- **Operates in all z/OS address spaces that support REXX**
- **Enables complex application development in REXX**

### Overview

RLX for z/OS is a suite of **REXX Language Xtensions** that greatly expand what you can do with REXX in the z/OS environment.

- RLX/VSAM provides a native **VSAM interface** for REXX that supports all read, write and delete operations on all VSAM file types.
- The RLX/**Software Development Kit** provides a robust and expanding set of REXX enhancement functions — such as RACF security interfaces; access to MVS supervisor services; parsing, tokenizing and sorting facilities; and much, much more.
- **AcceleREXX** is the **interpretive REXX compiler** that improves the performance of your REXX execs and protects them from modification.

These RLX extensions make REXX the ideal Rapid Application Development tool with ample power to tackle the kinds of applications once written in COBOL, PL/I, C — even Assembler language!

- Quickly develop ad-hoc applications
- Develop complex, industrial strength applications *virtually overnight* and deploy them as reentrant, shareable load modules

- Build tools and workbenches for developers, DBAs and system programmers
- Write scripts to automate system and network management
- Develop system exits for MVS, JES, RACF and vendor supplied software

### Benefits

- Improve REXX performance and reduce CPU usage
- Protect sensitive information and conserve disk space
- Eliminate the undisciplined modifications that often ‘sneak’ into production
- Leverage expertise in REXX, VSAM and z/OS
- Streamline development — REXX requires *far less* coding than compiled and assembled languages
- Improve productivity and save development funds
- Promote the development of generic, reusable components in REXX

## RLX/VSAM

RLX/VSAM provides a simple and intuitive VSAM interface that's native to REXX. Developers familiar with VSAM macros can immediately use RLX/VSAM to prototype, develop and test VSAM applications — without compile and link edit steps. Without even leaving ISPF Edit!

- Provides ESDS, KSDS, RRDS and VRRDS access on a record and control interval basis and control interval access to VSAM linear (LDS) datasets
- Supports sequential record access as well as direct access by key value, relative record number and relative byte address
- Provides concurrent access to an unlimited number of VSAM files
- Supports ISPF split screen mode, multi-tasking and file sharing
- Returns VSAM data and feedback directly into REXX variables
- Provides an ISPF dialog to allocate VSAM files and issue Access Method Service commands

## AcceleREXX

AcceleREXX compiles your REXX applications into secure, high performance load modules.

- Reduce CPU usage and improve performance
- Protect your REXX applications from unauthorized modifications
- Requires no run-time libraries
- Costs *much less* than IBM's REXX/370™ compiler.

## Features

- supports the complete z/OS REXX language, its standard extensions and all documented REXX external interfaces
- Checks REXX syntax and produces sorted, symbol cross references
- Removes embedded comments (or retains them for run-time diagnostics)
- Promotes incremental development. Separately compiled execs can be linked into several load modules

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## RLX/SDK

The RLX/Software Development Kit complements and extends standard z/OS REXX facilities with services that include:

- Security interfaces to RACF, ACF2 and Top Secret
- Access to *all* MVS supervisor services and macro instructions including memory and program management, multi-tasking and interprocess communication, resource control and process synchronization
- Functions to convert and translate data
- Parsing, tokenizing and sorting services for strings as well as arrays
- Facilities to browse and edit REXX stemmed variables directly in memory
- Global Variable Services that allow REXX modules to share variables and arrays. Support for global variables lets you split large REXX applications into separate modules and makes it much easier to develop generic, reusable components in REXX.

The SDK includes ISPF dialogs to develop your own frequently used routines *in REXX* and then deploy them within REXX *function packages* for the fastest possible access to subroutines and functions. Additional SDK dialogs let you customize your REXX environment to integrate your own function packages along with those supplied by vendors.

## Prerequisites

The RLX for z/OS suite runs with any release of z/OS whose IBM support status is current.

**RLX for z/OS:  
Don't Code REXX without it!**

**Contact the REXX experts at**

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