



The Basic Services component is loaded with full-blown access methods interfaces and powerful productivity extensions to the REXX language.

Major features of the REXXTOOLS/MVS Base component include:

REXX - VSAM interface

- All VSAM dataset types are supported:
 - KSDS
 - ESDS
 - RRDS
 - VRDS
 - LDS
- Comprehensive ACB and RPL options
- Special REXX variables are used to return information to your REXX program
- Very fast! VSAM functions modeled after the standard DFP format:
 - OPEN
 - CLOSE
 - GET
 - PUT
 - ERASE
 - ENDREQ
 - POINT
 - VERIFYV
- Unlimited number of VSAM datasets
- ISPF split-screen mode, multi-tasking and file sharing
- Batch LSR (BLSR)
- REXX - IDCAMS (NEW)

REXX Interpretive Compiler

- Only REXXTOOLS gives you parameter passing support between REXX and other programming languages:
 - COBOL
 - PL/1
 - Assembler
- Puts your encrypted REXX source and data into secure load modules, which can even be put in the LPA or the Linklist for performance purposes.
- Link edit with objects from other languages
- Create your own function packages
- Creates re-entrant, 31-bit load modules

REXX - BPAM (NEW)

- PDS support
- PDSE support
- Process multiple members of a PDS with just one OPEN function!

REXX - QSAM (NEW)

- Record Parsing now made easy with REXX
- Functions for:
 - OPEN
 - CLOSE
 - GET
 - PUT

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MVS AND TSO SERVICES FUNCTIONS

REXX functions are provided to access MVS control program services.

Using these services, you can write REXX programs that:

- Explicitly manage virtual storage
- Obtain system-wide control of resources
- Query the system authorization facility about a user's authority to use a resource
- Write messages to the system log and operator's console
- Access TSO terminal I/O functions to create line mode and full-screen applications

DYNAMIC ALLOCATION

- ALLOCATE and FREE commands
- FAST, NO TSO TMP OVERHEAD!!
- Consider combining with COBOL to achieve allocations, which could not be done before.

REXX ENHANCEMENT SERVICES

Basic Services includes many REXX functions to increase the efficiency of REXX programs.

This includes functions for:

- Data conversions
- COBOL style numeric editing
- Word sorting
- Handling difficult strings
- MVS/Quick-Ref[®] interface
- Storage manipulation
- Global variables

YOU ALSO GET MUCH MORE!

- APPC/MVS multi-trans transaction shell
- TCP/IP REXX Sockets Aids for client/Server
- Working business sample programs



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REXX - DYNAMIC and STATIC DB2® SQL

REXXTOOLS/MVS contains two very high performance REXX - DB2 SQL interface components which may be licensed and used together or separately: Dynamic DB2 SQL and Static DB2 SQL

The Dynamic and Static SQL components run on any CPU supporting MVS and TSO/E Version 2.1 or higher, and DB2 Version 2.2 or higher. DB2 Version 4 specific features are supported. Many sample programs are included.

REXX applications can be easily ported between the Dynamic SQL and the Static SQL components. You can even combine Static and Dynamic SQL in the same REXX program.

Both Dynamic and Static SQL components operate in the following environments:

- TSO
- APPC/MVS
- REXX Batch
- ISPF
- NetView®
- AF/Operator®

Features Include:

- Automatic conversion and support for the full range of DB2 datatypes for both input and output host variables including DBCS data.
- The results of SQL statements are returned in REXX variables
- DSNALI Call Attach Facility
- Full DB2 Version 4.1 exploitation
- True Static DB2 SQL
- Interactive Static SQL preprocessor with on-line tutorial
- Multiple formats for dates and times
- SQL statement length only limited by DB2 and CPU storage
- Multiple DB2 support
- SPUFI - style SELECTS (all rows retrieved without a fetch loop)
- Cursors, including positioned UPDATE and DELETE
- Supports DESCRIBE, TABLE and DECLARE host variables
- Complete reporting of SQLCA and SQLDA values
- Supports all formats of SET
- Supports SQL CONNECT verb
- Distributed processing from LOCAL DB2
- Supports implicit qualification of tables, views and synonyms
- DB2INFO function lets you query the system for the subsystem names of installed DB2 systems and for DB2 default values.
- SP2RXX utility to convert SPUFI SQL statements
- Sample programs

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