



# Mainstar MXI for z/OS

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## Provides Ready Access to Critical Information about Active z/OS Systems

Mainstar MXI for z/OS (formerly Rocket MXI Generation II for z/OS) gives system programmers ready access to critical information about the active z/OS system. Mainstar MXI offers a fast and easy-to-use ISPF interface along with a REXX API and batch reporting capability. This version extends further than any previous release, and offers an enhanced ISPF interface, a REXX API, and a Java-based consolidation and analysis engine and client.

### Features and Functionality

Mainstar MXI includes a number of new features and functions:

- ▶ View details about all defined z/OS systems
  - ▶ Cache device data (such as DASD space usage) at user-defined intervals against criteria including device range, volser or SMS storage group
  - ▶ Kill a subtask or address space
  - ▶ Obtain a summary of user subpool storage as well as the more detailed view
  - ▶ Receive 64-bit support for the MEM command
  - ▶ Obtain a formatted DSECT view of memory with equate values
  - ▶ Browse dataspace storage
  - ▶ Get information about private region usage
  - ▶ Access out-of-the-box monitoring of important events on a system (resource problems, enq conflicts, etc.)
  - ▶ Use a full-featured event management system that has state-of-the-art event correlation and a variety of notification tools including email and wto
  - ▶ Receive context-sensitive analytical assistance so when exception events occur, appropriate analytical tools are one click away to help quickly determine underlying problems
  - ▶ Access a rich set of analytical tools for performing manual problem determination, including historical trend charts, distribution analysis, and specialized problem analysis tables (e.g. historical memory information of address spaces for analyzing system aux storage problems)
  - ▶ Most column names are now optional keywords to the MXI command and accept logical operators. For example, 'DA CPU%(>0) SORT(CPU%,D)'
- ▶ Mainstar MXI offers a number of enhancements to product usability that enables users to:
- Access valid line commands via pop-up menus
  - View more information via new columns and widescreen layout
  - Arrange columns and filter display data

## Enhanced ISPF Interface and REXX Interface

Mainstar MXI's enhanced ISPF interface supports widescreen formats. Some MXI displays are now hundreds of bytes wide and can be easily filtered, scrolled and sorted. Columns can be fixed or arranged according to user-defined specifications and line commands, and over-typeable fields are now available on most displays. Additionally, Mainstar MXI's REXX API interface enables users to address column data directly using 'row.column.i' stem variable names.

## Workstation-Based Consolidation and Analysis Engine (CAE) and Client

In-depth analysis of MXI command results: MXI's Command Analyzer tool enables users to summarize MXI command results in ways that are most useful to them. For example, aux storage usage by active address spaces can be summarized by Job Name, Proc Step, User ID, Job Priority, or Service Class.

Find changes in MXI data over time: The command analyzer quickly highlights changes between two executions of an MXI command. For example, this tool can drastically reduce the time it takes to find memory leaks in any application. Additionally, users can monitor systems, address spaces, CICS regions (requires the CICS Plug-In), and ICF catalogs.

View & analyze historical system behavior: MXI's CAE can gather historical data, allowing the same analysis on this data as MXI command results.

Autonomic event and response system: MXI's CAE has a full-featured event and response system that alerts users to exceptional events as they happen and can issue automatic responses. This event system is smoothly integrated with the Historical Data Analysis, allowing quick identification of the sources of system problems.

Context-sensitive analytical assistance: When exception events occur, appropriate analytical tools are one click away to help quickly determine underlying problems.

## Extending Mainstar MXI

Mainstar MXI's suite of plug-ins enables users to extend the Mainstar MXI base product and gain easy access to a range of information about DB2 subsystems, CICS regions, and MQ subsystems.

**TCP/IP Plug-In:** The MXI TCP/IP Plug-In lets users display TCP/IP stack information, manage TCP/IP connections and listener tasks, display information about a site's FTP activity, and much more.

**CICS Plug-In:** The MXI CICS Plug-In enables access to information about CICS regions, CICS active tasks and transactions, CICS storage subpools, and CPU elapsed and wait times for CICS active tasks and transactions.

**DB2 Plug-In:** The MXI DB2 plug-in lets users to view DB2 subsystem information (version, data sharing, and statistics), access information about DB2 thread statistics and SQL activity information, issue DB2 commands and cancel threads.

**MQ Plug-In:** The MXI MQ plug-In enables users to display MQ subsystem information (version and status), view MQ active thread information, and issue MQ commands.

## Find Out More:

Mainstar ([www.mainstar.com](http://www.mainstar.com)), founded in 1978, provides innovative data access solutions for System z environments. The company, which is now part of Rocket Software ([www.rs.com](http://www.rs.com)), offers outstanding products and services backed by an extraordinary depth of knowledge and a focus on MVS and large system installations. For more information, e-mail [info@mainstar.com](mailto:info@mainstar.com), or call (800) 233-6838.