Rocket® Mainstar MXI for z/OS

Simplified Access to Critical Information About Your Active z/OS Systems

- Install and monitor your z/OS system easily
- Create, edit, and view graphical displays of current and historical system information
- Find changes in MXI data over time
- View and analyze historical system behavior
- Integrate an autonomic event and response system
- View and manage message boards and important messages about your systems
- Issue MXI commands into our systems
- Collect and cache data and automate site-defined thresholds and actions
- Perform in-depth analysis of MXI command results
- Manage authentications to mainframes

Performing health checks on your mainframe can be a burdensome process. Deciphering long pages of reports generated by monitoring and auditing is not only inefficient, but also time consuming and frustrating. Rocket® Mainstar MXI gives you instant access to critical information about your active z/OS system in an easy-to-read and understandable format, making monitoring and auditing processes faster, efficient and far more effective. With MXI, you have easy access to critical system information.

Extended Capabilities

Mainstar MXI provides a fast and easy-to-use ISPF interface combined with REXX API and batch reporting capabilities. Take advantage of the extended functionality of MXI with a browser interface that provides graphical reports, historical trending and an operations dashboard displays.

Enhanced ISPF Interface and REXX Interface

The enhanced ISPF interface in MXI supports widescreen formats. With some displays measuring hundreds of columns wide, MXI allows you to easily re-arrange, filter, scroll and sort data. In addition, a comprehensive set of line commands and point-and-shoot capabilities provide a powerful, yet easy-to-use and intuitive, user interface.

MXI Consolidation and Analysis Engine and Client (CAE)

The comprehensive set of tools available in CAE allows you to easily view your systems and analyze your results with clear "look and read" data.

In-Depth Analysis of Command Results

The Command Analyzer tool enables you to summarize MXI command results in the way that is most useful to you. For example, you can sort aux storage usage by active address spaces via parameters such as 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 MXI command executions, dramatically reducing the time it takes to find memory leaks in any application, along with other useful information.

View and Analyze Historical System Behavior

The CAE in MXI gathers historical data, which allows you to analyze the data in the same way you would from MXI command results.

Autonomic Event Notification and Response

The CAE in MXI includes a full-featured event and response system that alerts you to exceptional events as they happen and can issue automatic responses. This event system is smoothly integrated with historical data analysis, allowing you to identify the source of system problems quickly.

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Context-Sensitive Analytical Assistance

When exception events occur, appropriate analytical tools that help quickly determine underlying problems are only one click away.

Extending Mainstar MXI

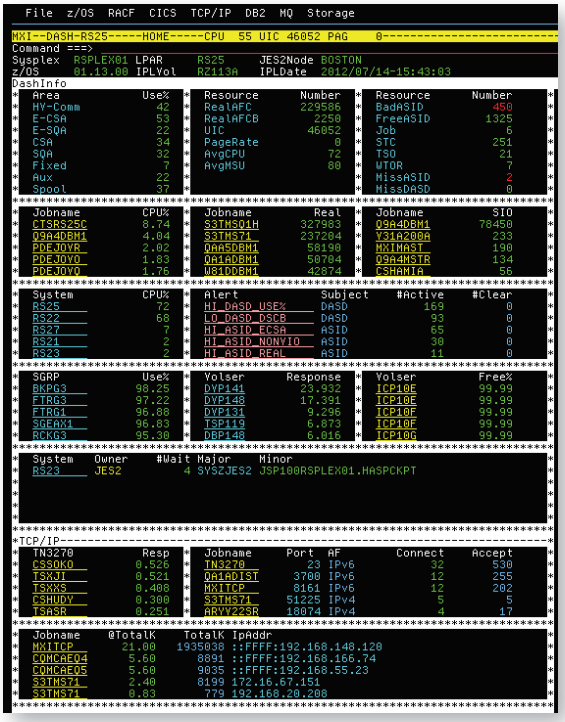
Through a suite of plug-ins, you can extend the functionality and benefits of Mainstar MXI and gain easy access to a range of information about DB2 subsystems, CICS regions, and MQ subsystems.

Storage Manager

Load post-processed DCOLLECT data into VSAM datasets controlled by MXI. This gives you the ability to discover detailed information about the site DASD farm at the dataset level. Information is summarized and indexed by HLQ, DASD volume and each SMS class and storage group. Discover who the big users of DASD space are, and who's responsible for wasting space.

TCP/IP Plug-In

The TCP/IP plug-in enables you to view listeners, connections and interfaces. Interactive packet trace facilities are included, while MXI trace data can be offloaded and read in other tools, including IPCS and Ethereal/Wireshark.



CICS Plug-In

Get access to information about CICS regions and active tasks and transactions. Track and summarize CICS transaction history and automatically see average and high water mark resource usage for each minute interval for every transaction. MXI can manages CICS objects, including the ability to purge and kill active tasks.

Spectrum SMF Writer for MXI

Combining the flexibility and power of Spectrum SMF Writer with the features in MXI. Extract mainframe performance data in usable formats and easily create production and custom reports, analyses, and queries.

DB2 Plug-In

View DB2 information and statistics at both the subsystem and thread level. Track and summarize DB2 thread termination statistics interactively at the thread or package level. Interactively trace DB2 buffer pool activity. View the SQL statement currently being executed by any active thread.

MQ Plug-In

Display MQ subsystem information and statistics. View MQ queues and channels and monitor MQ buffer pool performance.

High Level Features/Benefits

Instant Access to Information	❖ Access critical data easily and in a readable format.	❖ Reduce the time spent on monitoring and auditing.
Sort Information Meaningfully	❖ Set display parameters for the data you need.	❖ View the information that is important to you.
Easy-to-Use ISPF Interface	❖ Sort information using widescreen formats.	❖ Create a dashboard that is easy to read and understand.
Simplify Day-to-Day Automation	❖ Automate certain functions with REXX API.	❖ Get quick access to the system-related data.
In-Depth Analysis of Command Results	❖ Summarize command results to enable meaningful analysis.	❖ Understand what you need to in order to optimize your system.
Quickly Identify Changes over Time	❖ Identify changes between MXI command executions.	❖ Quickly find memory leaks.
Automated Alert and Response	❖ Get notified of exceptional events as they happen and issue automatic responses.	❖ Respond faster and understand the source of issues.
Extended Capabilities	❖ Extend the functionality and benefits of Mainstar MXI with valuable plug-ins.	❖ Gain easy access to a range of information about DB2 subsystems, CICS regions, and MQ subsystems.
Increase Reporting Options	❖ Produce reports, analyses, and queries with Spectrum SMF Writer.	❖ Create custom reports based on any SMF dataset input.
Extract Mainframe Data	❖ Extract mainframe performance data in useable formats.	❖ Format for use in a variety of applications, including HTML.

Technical Specifications

System Requirements

- Any version of z/OS supported by IBM

CAE Server Requirements

- Operating System:
  64-bit Windows 7
- RAM:
  8GB. 200MB per monitored mainframe.
- Disk Space:
  2 GB free
- Processor Speed:
  At least 2 cores at 2.5 gHz
- Display Requirements:
  SVGA monitor; 256 colors or greater

MXI Web Client Requirements

- Browser:
  Firefox v14 or later, Internet Explorer v8 or later, Google Chrome v20 or later.
- Other:
  Adobe Flash Player 10 or later

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