



# Why Upgrade From MXI 4.3 Free version to Rocket® Mainstar MXI for z/OS

# Why Upgrade to Rocket MXI 6.2?

- A More Robust Feature Set
  - Web interface, enhanced ISPF interface, sysplex-wide data sharing & views, zIIP awareness & exploitation, and more.
- Informative Displays
  - Expanded z/OS, RACF, CICS, TCP/IP, DB2, MQ, and DCOLLECT related displays.
- Analysis and Notifications
  - Historical analysis and trending, event management, dashboards, email alerts.
- Maintenance and Support
  - Support for MXI and current versions of hardware and z/OS, CICS, DB2, and MQ.

# Why Upgrade to Rocket MXI 6.2?

## More Robust Feature Set

Feature	Description	MXI 6.2	MXI 4.3 (Freeware)
ISPF interface with “point and shoot”	Cursor sensitive fields that allows execution of an command by just using the enter key.	Yes	Yes
Wide screen support	View performance data on large 3270-type screens allowing more data to be shown.	Yes (160x62)	No (80x43)
Line commands	Issue MXI and z/OS commands against a specific object displayed on a MXI tabular display.	Yes	No
Sysplex data sharing	Share performance data between MXI instances running in the same sysplex.	Yes	No
Sysplex-wide views	View performance data across all systems in the sysplex from a single screen.	Yes	No

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## More Robust Feature Set (continued)

Feature	Description	MXI 6.2	MXI 4.3 (Freeware)
Maximum CPUs	Maximum number of CPUs supported	256	16
64-bit aware	Monitors and utilizes 64-bit addressable storage.	Yes	No
zIIP awareness and exploitation	Monitors and utilizes zIIP specialty processors	Yes	No
EAV DASD and 5 digit UCBs	Supports Extended Access Volume DASD and 5 digit Unit Control Block addresses	Yes	No
Web Interface	Provides the option for both ISPF and web interfaces	Yes	ISPF Only
Extended REXX API	Allows direct access to display column data without having to screen-scrape	Yes	No

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## Informative Displays

Display	Description	MXI 6.2	MXI 4.3 (Freeware)
z/OS related displays	Number of displays containing information relating to the z/OS operating system including workload, address space, memory, and device information.	140+	60
RACF related displays	Number of displays related to RACF information including profiles and classes.	15	4
CICS related displays	Number of displays containing such information as regions, active tasks, and transactions.	32	0
TCP/IP related displays	Number of displays related to TCP/IP networks including listeners, active connections and interfaces, port activity and TN3270 response time.	11	0

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## Informative Displays (continued)

Feature	Description	MXI 6.2	MXI 4.3 (Freeware)
DB2 related displays	Number of displays related to DB2 subsystems including thread termination statistics, buffer pool activity, and SQL statements currently being executed by an active thread.	21	7
MQ related displays	Number of displays containing information on queues, channels, and buffer pool performance	15	6
DCOLLECT related displays	Number of displays containing information on data sets and DASD volume usage.	16	0

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## Analysis and Notifications

Feature	Description	MXI 6.2	MXI 4.3 (Freeware)
Historical analysis	Users can create, edit, and view graphical displays of current and historical system information.	Yes	No
Trend charts	Provides a graphical representation of statistics over time for easier analysis.	Yes	No
E-mail alert notification	Automates notification of events to allow for faster response time.	Yes	No
Event management	Full function event management system.	Yes	No
Operations dashboards	Displays mainframe data in an easy to read and usable format.	Yes	No

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## Support and Updates

Support Level	Description	MXI 6.2	MXI 4.3 (Freeware)
MXI product support	Offers technical support and product updates to stay current.	Yes	No
z/OS	Supports z/OS 2.1+	Yes	No
DB2	Supports DB2 version 9+	Yes	No
MQ	Supports MQ version 8+	Yes	No



# Take advantage of Rocket MXI Consolidation and Analysis Engine (CAE)

MXI CAE Welcome Screen

MXI CAE Dashboards

**MXI WebAgent**

Welcome to the MXI WebAgent. The MXI WebAgent provides you with access to MXI's Web-based functionality which included the Message Board, Dashboard, and MXI commands.

**Access Your MXI Web Components**

Select from the following MXI Web Components:

- Message Boards**: View and manage message boards and important messages about your systems
- Dashboards**: Create, edit, and view graphical displays of current and historical system information
- MXI Commands**: Issue MXI commands against your systems
- Configuration**: Edit and Manage Configuration Information
- Tools**: View Tools
- Help**: Access online help for the MXI Consolidation and Analysis Engine (CAE)

**Status**

You are currently running: **MXI 6.1 Fixpack 3 (build 5232)**

Login Status: Logged in as: PDSCOT (role: Administrator). Logout >

Discovery: Last discovery completed at 05/11/2014 16:24:38

Local Date/Time: Fri Mar 13 2015 13:28:05 GMT+0000 (GMT Standard Time)

**Find Out More About MXI and Rocket Software**

To find out the latest news about Rocket MXI Generation II, visit the Rocket Software Corporate Website.  
To ask questions, report issues, or get latest updates, visit Rocket Service Pages.

**Element Status Summary**

Name	Unack'd Alerts	Actknvl Alerts	Average CPU	Page Rate	SID	Spool	Non Reusable ASDs
AR04	0	0	3.00%	0	5	14.43%	1
DEV1	72	0	48.80%	0	107	31.55%	149
DVLP	8	0	6.60%	0	27	27.51%	0
MKTO	0	0	24.20%	1	13	26.45%	14
MNT	33	0	7.80%	0	13	27.51%	0
RS06	105	0	28.60%	0	10	3.49%	8
RS07	86	0	27.20%	0	21	3.49%	4
RS21	114	0	10.40%	0	590	58.44%	0
RS22	309	1	6.80%	0	1,283	58.43%	376
RS23	196	0	55.00%	0	207	56.44%	838
RS25	586	0	7.40%	0	22	56.43%	2,423
RS26	139	0	2.60%	0	67	56.43%	0

**Top-N by CPU**

Average Cpu Percent	Histogram	Name	Cpu Percent	Average MSU
57.00%		RS40	73.00%	9
55.00%		RS23	59.00%	70
48.80%		DEV1	10.00%	6
42.40%		RS52	66.00%	70
28.60%		RS06	19.00%	4
27.20%		RS07	19.00%	4
24.20%		MKTO	50.00%	1
15.80%		RS27	10.00%	49
10.40%		RS21	17.00%	8
7.80%		MNT	33.00%	3
7.40%		RS25	15.00%	50
7.00%		RS28	6.00%	12
6.80%		RS22	10.00%	75

**Lowest by AFC**

Available Frame Count	Histogram	Name	Page Rate	Available Frame Count Below	High Lic
1,304		MKTO	1	401	23,979
4,918		RS73	0	52	39,664
5,854		RS40	0	359	14,854
7,039		RS74	0	3,891	65,535
7,349		RS45	0	65	65,535
9,532		RS47	0	40	65,535
11,100		RS43	0	2,006	65,535
16,075		RS35	0	1,128	65,534
16,617		RS07	0	74	65,535
16,755		RS34	0	301	65,534
18,527		RS06	0	712	65,535
22,204		DVLP	0	3,262	58,194
31,279		MNT	0	3,513	65,535

**Event Summary**

Category	Count
All System Events	758
Performance	0
Memory	0
Storage	1741
AddressSpaces	510

**System Memory**

Name	Aux Storage	CSA	SQA	E-CSA	E-SQA
AR04	14.00%	14.55%	19.52%	26.03%	84.63%
DEV1	23.00%	37.03%	24.10%	69.80%	63.65%
DVLP	16.00%	14.79%	24.60%	27.84%	19.84%
MKTO	26.00%	26.71%	18.60%	77.08%	50.92%
MNT	15.00%	10.98%	23.66%	28.34%	19.04%
RS06	4.00%	10.68%	23.13%	11.63%	13.23%
RS07	4.00%	10.46%	23.07%	11.38%	13.08%
RS21	0.00%	15.77%	28.79%	12.67%	22.11%
RS22	2.00%	51.24%	41.77%	56.25%	31.21%
RS23	0.00%	26.00%	35.95%	40.15%	27.54%
RS25	0.00%	26.60%	41.79%	58.56%	29.94%
RS26	0.00%	16.33%	31.79%	14.35%	22.03%
RS27	8.00%	24.10%	37.37%	53.52%	28.40%
RS28	0.00%	27.08%	34.86%	40.73%	25.00%

**Top-N SMS Storage Groups by Percent Full**

Percent Full	Histogram	Name	Volume Count	Free Space	Total Capacity
94.91%		SQEAX3	6	1.395 GB	27.421 GB
93.21%		RCKG3	16	6.335 GB	93.233 GB
92.17%		SSEBIB02	6	1.287 GB	16.453 GB
91.35%		HFSQ2	10	22.119 GB	255.687 GB
89.08%		RCK01	18	33.810 GB	309.494 GB
88.49%		FTRO4	11	3.473 GB	30.163 GB
86.84%		TSOO1	26	18.767 GB	142.591 GB
85.28%		ZFSO1	10	8.880 GB	60.328 GB
85.14%		FTRO1	7	2.851 GB	19.195 GB
83.63%		SVS01	26	26.039 GB	159.054 GB
83.31%		BKPG3	12	28.952 GB	173.424 GB
81.44%		MSSVS01	11	8.652 GB	46.616 GB
78.19%		SQEAX4	10	13.159 GB	60.326 GB





 **Rocket**®