

Provides Ready Access to Critical Information About Your TCP/IP Stacks

About MXI Generation II

Rocket MXI Generation II for z/OS (MXI G2) provides systems programmers ready access to critical information about the active z/OS system. MXI offers a fast and easy-to-use ISPF interface along with a REXX API and batch reporting capability.

Introducing the TCP/IP Plug-In

The new MXI TCP/IP Plug-In provides you with a set of commands that slot seamlessly into the existing MXI command set and integrate fully with the MXI base product. The new MXI TCP/IP Plug-In commands can:

- Display TCP/IP stack information
- Display and manage TCP/IP connections and listener tasks
- Display information about your site's FTP activity
- Display information about TN3270 users and monitor groups
- Interactively display packet trace records

Displaying TCP/IP Stack Information

The MXI TCP/IP Plug-In provides you with easy access to a wide range of information about your TCP/IP stacks. The new "IP" command includes information about TCP/IP stack version, status, and host name as well as CPU percentage usage and CPU time.

```
File PlugIn IP
MXI2-IPCO-RS40-----HOME-----CPU 25 UIC 2540 PAG 0-----Row 00001 of 00055
Command ==>
Jobname =TN3270 Status =* Type =*
Stack =TCPIP Port >=0
Field Value
Address Space Name TN3270
Connection Type TCP
Connection Status Establish
Connection ID 00005D83
Remote Port Number 1387
Remote TCP/IP Address 192.168.203.203
Remote Address Family IPv4
Local Port Number 23
Local TCP/IP Address 192.168.55.140
Local Address Family IPv4
Bytes Received 786
Bytes Sent 19107
Segments Received 63
Segments Sent 70
Buffers Received 0
Buffers Sent 0
ASID 0070 (TWLAURA) DB2(M8A1) MQ(CSQ3) CICS(CICSA) 2008/02/12 12.39.40
```

Displaying and Managing TCP/IP Connections and Listener Tasks

The new IPCO command puts information about TCP/IP connections at your fingertips by providing details such as local port number, remote port number, connection type, connection status, telnet mode, and much more. The 'IPLI' command provides you with ready access to information about TCP listener tasks.

Displaying Information About Your Site's FTP Activity

The MXI TCP/IP Plug-In provides you with a wide range of details about your site's FTP activity. The IPFT command displays information such as user IDs, data set types, data format, data structure, and transmission start/end dates and times.

```
File PlugIn IP
MXI2-IPLI-RS40-----HOME-----CPU 58 UIC 2540 PAG 0----->-Row 00001 of 00013
Command ==>
Jobname =*
Stack =*
Cmd Jobname Port Connect Accept Backlog MaxBack DropBack AF
---
BPXOINIT 10007 0 0 0 4 0 IPv4
FTPD1 21 0 3486 0 10 0 IPv4
INETD1 513 0 0 0 10 0 IPv4
INETD1 512 0 0 0 10 0 IPv4
INETD1 1023 0 0 0 10 0 IPv4
MXISERV 8001 0 0 0 5 0 IPv4
MXI2TCP 8052 0 0 0 10 0 IPv4
M8A1DIST 3801 0 0 0 10 0 IPv4
M8A1DIST 3800 0 0 0 10 0 IPv4
OSNMPD 1026 0 0 0 5 0 IPv4
PORTMAP 111 0 12 0 2 0 IPv4
SNMPQE 1025 0 0 0 5 0 IPv4
TN3270 23 2 16 0 10 0 IPv4
ASID 0070 (TWLAURA) DB2(M8A1) MQ(CSQ3) CICS(CICSA) 2008/02/12 12.41.48
```



Rocket MXI Generation II for z/OS: TCP/IP Plug-In

Version 5, Release 2

Displaying Information about TN3270 Users and Monitor Groups

The new IPTN command displays information about TCP/IP monitor groups and individual TN3270 connection performance including average IP and SNA response time.

Interactively Display Packet Trace Records

The IPPT command provides the ability to interactively view TCP/IP packet trace data and show common headers and packet payload data by just pointing and shooting. The packet trace data can be offloaded to datasets in IPCS and PCAP (aka TCPDUMP) formats for analysis by other tools.

Commands Introduced with the TCP/IP Plug-In

The MXI TCP/IP Plug-In introduces a wide variety of commands that show information for a stack including TCP/IP connections, FTP statistics, listeners, monitor groups, packet trace records, and telnet statistics.

Requirements

The MXI TCP/IP Plug-In requires the MXI Base Product, Version 5.2 or above.

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```

File PlugIn IP
-----
MXI--IP---RS4
Command ==>
Jobname =*
Cmd Jobname
/ TCPIP

```

```

MXI - Select Command
-----
Command ==> Row 1 to 15 of 21

```

S	Command	Description
-	CLR	Clear Packet Trace Buffer
-	DA	Address Space Information
-	DDNS	Allocated Datasets For ASID
-	DMP	Dump Packet Trace (INTL)
-	DMPI	Dump Packet Trace (IPCS)
-	DMPP	Dump Packet Trace (PCAP)
-	DNS	Refresh DNS Cache
-	IPCO	TCP/IP Connections For Stack
-	IPFT	TCP/IP FTP Statistics For Stack
-	IPLI	TCP/IP Listeners For Stack
-	IPMG	TCP/IP Monitor Groups For Stack
-	IPPT	TCP/IP Packet Trace Records
-	IPTN	TCP/IP Telnet Stats For Stack
-	LPKT	Load Packet Trace (INTL)
-	OB	Issue OBEYFILE Command