



Rocket® TMON™ for TCP/IP

Cross-platform Performance Monitoring
and Management of TCP/IP Networks



Overview

Modern business applications rely heavily on TCP/IP networks, and it is critical to secure, monitor and manage availability and performance. Rocket® TMON™ for TCP/IP provides real-time and historical information on the TCP/IP communication server. Manage network tuning, configuration, and resolve problems quickly.

An enterprise-wide, cross-platform TCP/IP Monitor

Rocket TMON for Db2® enables an organization to quickly pinpoint the root cause of performance problems in Db2 and integrated systems — from the high-level Db2 subsystem details to the low-level performance impact of an SQL statement. It provides the information you need to improve business application availability and limit costly performance degradation and downtime. Leverage essential in-depth analysis and reporting for the validation of your business service levels and continuous improvement of application performance.

Jobname: TTCJ26T TCP Connection Summary Date: 12/17/24
 Host ID: rs14 Cycle: MMS5 Time: 14:08:19
 Command: Interval Duration : 1,094:42:56
 Lines: 72 to 86 of 183
 Unless currently displayed valid line commands: P(Ping), T(Tracert), M(Mnu), D(Drop), N(Name-lookup)

Remote IP Address	Remot Conn Port	Conn ID	Task	Total Bytes	Bytes Local	Bytes In	Out IP Address	Local Port	Retran Count	RTT	Bkg	Excd
0.0.0.0	*	Listen	47003	TMONSOH	0	0	0	192.168.54.14	8976	0	0	0
0.0.0.0	*	Listen	301710	TQAT30H	0	0	0	0.0.0.0	15556	0	0	0
0.0.0.0	*	Listen	3744E	TMONSOH	0	0	0	192.168.54.14	2377	0	0	0
10.72.46.242	3957	SynSent	5F4976	TQAS30H	0	0	0	192.168.54.14	30805	0	0	0
10.117.142.101	47712	Establish	5F468E	AWR02	617.9K	1,018,616.8K	192.168.54.14	1087	0	1	0	0
10.200.213.10	9092	Establish	5EE927	QT1RHE1	637.9K	110.9K	526.9K	192.168.54.14	7969	5	20	0
10.200.213.10	9092	Establish	5EE923	QT1RHE1	60.69K	56.71K	3.983K	192.168.54.14	12916	6	16	0
10.200.213.10	9092	Establish	5CC1E2	QT44TPH8	108.3K	76,280	32,022	192.168.54.14	25037	0	19	0
10.200.213.10	9092	Establish	5EFP2F	QT1RHE1	11.52M	9,168K	2,356K	192.168.54.14	12987	5	20	0
10.200.213.10	9092	Establish	5EE7C1	QT44TPH8	78.69K	41,779	36,910	192.168.54.14	7599	39	16	0
10.200.213.10	9092	Establish	5CC1E6	QT44TPH8	55.54M	2,549K	62,99M	192.168.54.14	25041	15	12	0
10.200.213.10	9092	Establish	5EE7E9	QT1RHE1	3.383K	121.2K	3,261K	192.168.54.14	7631	2	20	0
10.200.213.10	9092	Establish	5EFP22	QT1RHE1	332.0K	92,895	499.1K	192.168.54.14	12955	1	15	0
10.200.213.10	9092	Establish	5EE7E3	QT1RHE1	13.59K	9,635	3,963	192.168.54.14	7629	0	20	0
10.200.213.10	9092	Establish	5EE707	QT44TPH8	808.3K	97,811	810.7K	192.168.54.14	7460	6	16	0

Help Information = PFL D-TS4240 JA226TCP PF Key Assignments = PAL

Jobname: TTCJ26T ZERT Record Summary Date: 12/17/24
 Host ID: rs14 Cycle: MMS5 Time: 14:07:20
 Command: Start Date (MM/DD/YYYY): 12 / 17 / 2024 Time: 10 : 29 Record Count: 0100
 Lines: 1 to 14 of 100 Plan Sort Col: 01 Seq: 0

Date and Time	Type	Enctype Method	Jobname	Server Port	Server IP	Client IP	Starting Total Connects	Ending Total Connects	Starting Inbound Bytes	Ending Inbound Bytes
2024/12/17-10:59:55	Server Name	TSTTAP	18411	TCP	192.168.54.14	10.117.142.101	0	1	0	0
2024/12/17-10:59:55	Server Name	TSTTAP	18410	TCP	192.168.54.14	10.117.142.101	0	1	0	0
2024/12/17-10:59:55	Server Name	TSTTAP	18409	TCP	192.168.54.14	10.117.142.101	0	1	0	0
2024/12/17-10:59:55	Server Name	TSTTAP	18408	TCP	192.168.54.14	10.117.142.101	0	1	0	0
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.17.13.135	2	2	4,921	4,982
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.17.12.99	2	2	3,504	3,965
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.72.40.117	1	1	727	727
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.72.41.144	1	1	500	530
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.17.13.63	1	1	3,702	3,747
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.72.40.8	1	1	193	202
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.15.40.165	4	4	7,955	7,955
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.12.43.149	1	1	2,420	2,420
2024/12/17-10:59:55	Server Name	TCPPT817	7096	TCP	192.168.54.14	10.117.205.22	122	126	82,144	85,104
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.12.42.55	2	2	93,845	93,845
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.12.42.25	2	2	69,686	69,686
2024/12/17-10:59:55	Server Name	TN3270	23	TCP	192.168.54.14	10.15.10.222	4	4	47,598	47,598

Help Information = PFL D-TS4240 JA226TCP PF Key Assignments = PAL

TMON for TCP/IP shows the status of all TCP/IP connections coming into the mainframe.

Features and benefits

- Provides real-time and historical performance network monitoring of TCP/UDP/IP traffic.
- Monitors file transfer protocol (FTP), Secure FTP, client/server applications, and TN3270 sessions.
- Oversees performance of OSA and RoCE SMC adapters.
- Visualizes application connections, ports, packet size, and volume of data transferred to act before thresholds are exceeded.
- Observes and manages by user-defined exceptions and offers alerts, actions, and messages.
- Provides the ability to solve common problems using a variety of utilities.
 - Trace individual packet and socket information.
 - Secure IPsec VPN tunnels.
 - Receive policy agent definitions.

TMON for TCP/IP

Features Include:

z/OS® Insight provides a true picture of the z/OS impact on network performance by providing visibility into subsystems, applications, and resources that impact the z/OS TCP/IP stack and overall network performance (including SFTP, FTP, TN3270, CSM and ICMP).

Exception Processor provides a single-screen view of exception conditions to quickly determine overall network performance, as well as application performance from a network perspective.

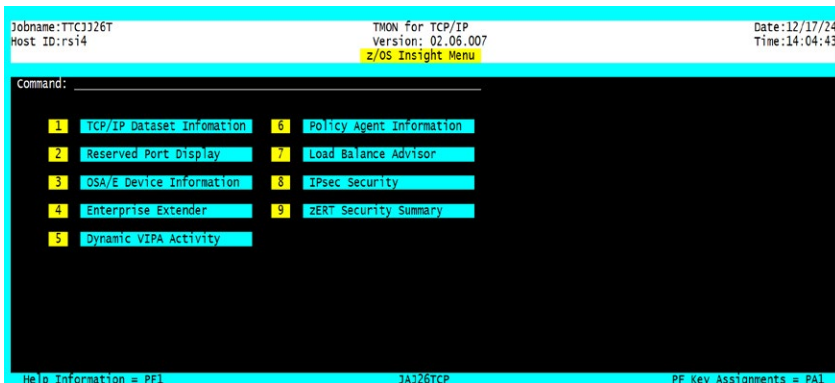
Continuous Availability Monitoring manages network devices to ensure critical components are available and responding within customer-determined thresholds.

Application Impact Monitoring assesses the business impact of network performance by defining and mapping exception conditions with business application services levels.

Enterprise Extender Support provides information on SNA traffic over TCP/IP, including physical interface activity, virtual activity (loopback data between VTAM and IP) and transport (UDP port activity). Domain Name Server Monitor provides capability to diagnose DNS configuration and performance problems (including resolving domain name to IP addresses and display of port number).

Host Monitor provides in-depth monitoring of supported SNMP-enabled hosts, including TCP/IP stacks, and Cisco routers.

Communications Storage Manager (CSM) Monitor provides detailed information of the amount of CSM allocated at the system level as well as at the address space level.



TMON for TCP/IP highlights the zERT record summary to view connections that are not encrypted.

Supported Environments / Platforms / Operating Systems

- IBM® mainframe z/OS.
- Communications Server for z/OS.
- SNMP agent 1.0 and 2.0.
- Supports IPV4 and IPV6.
- Cisco router switches.
- Rocket NaviPlex.

Resources

- [Rocket TMON One](#)
- [NaviPlex](#)

[Get a demo](#)

About Rocket Software

Rocket Software is the global technology leader in modernization and partner of choice that empowers the world's leading businesses on their modernization journeys, spanning core systems to the cloud. Trusted by over 12,500 customers and 750 partners, and with more than 3,000 global employees, Rocket Software enables customers to maximize their data, applications, and infrastructure to deliver critical services that power our modern world. Rocket Software is a privately held U.S. corporation headquartered in the Boston area with centers of excellence strategically located around the world. Rocket Software is a portfolio company of Bain Capital Private Equity. Follow Rocket Software on [LinkedIn](#) and [X](#).

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