



# Rocket® TMON™ for TCP/IP

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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.

TCP Connection Summary											
Jobname: TJC326T											
Host ID: RS14											
Command:											
Cycle: MMSS											
Interval Duration : 1,094:42:56											
Lines: 72 to 86 of 183											
Valid time commands: P(Ping), T(Tracert), D(Drop), N(Name-lookup)											
Deltas are currently displayed											
_Total											
> 1											
Remote IP Address	Remote Port	Conn ID	Task	Conn ID	Task	Bytes	Bytes	Local IP Address	Local Port	Retran	RTT
IP Address	Port	State	Hex	Name	Bytes	In	Out	IP Address	Port	Count	BkLg
0.0.0.0	*	Listen	470073	THWDS0H	0	0	0	192.168.54.14	9376	0	0
0.0.0.0	*	Listen	501710	THQAT30H	0	0	0	0.0.0.0	15556	0	0
0.0.0.0	*	Listen	17446E	THWDM4H	0	0	0	192.168.54.14	9377	0	0
10.72.46.242	3957	SynSent	5F4B76	TMOAS30H	0	0	0	192.168.54.14	30805	0	0
10.117.142.101	47712	Establish	5F468E	AXR02	617.9K	1,018	616.8K	192.168.54.14	1087	0	1
10.200.213.10	9092	Establish	5EE977	QTIRHE1	637.9K	110.2K	526.9K	192.168.54.14	7909	5	20
10.200.213.10	9092	Establish	5EFP23	QTIRHE1	80.69K	56.71K	3.982K	192.168.54.14	12956	6	16
10.200.213.10	9092	Establish	5CC1E2	QT44TPH8	108.3K	76.280	32,022	192.168.54.14	25037	0	19
10.200.213.10	9092	Establish	5EFP2F	QTIRHE1	11.52M	9,166K	2,356K	192.168.54.14	12987	5	20
10.200.213.10	9092	Establish	5EE7C1	QT44TPH8	78.69K	41,77K	36.80K	192.168.54.14	7599	39	16
10.200.213.10	9092	Establish	5CC1E6	QT44TPH8	55.54K	2,549K	52.99K	192.168.54.14	25041	15	12
10.200.213.10	9092	Establish	5EE7E9	QTIRHE1	3.383K	121.2K	3,261K	192.168.54.14	7631	2	20
10.200.213.10	9092	Establish	5EFP22	QTIRHE1	532.0K	92,895	439.1K	192.168.54.14	12955	1	15
10.200.213.10	9092	Establish	5EE7E3	QTIRHE1	13.99K	9,635	3,763	192.168.54.14	7629	0	20
10.200.213.10	9092	Establish	5EE707	QT44TPH8	608.3K	97,611	510.7K	192.168.54.14	7460	6	16
Help Information w PFI											
D-TS4240											
JA326TCP											
PF Key Assignments w PAI											

ZERT Record Summary											
Jobname: TJC326T											
Host ID: RS14											
Command:											
Cycle: MMSS											
Start Date (MM/DD/YYYY): 12 / 17 / 2024											
Time: 10 : 29											
Record Count: 0100											
Lines: 1 to 16 of 100											
_Total											
> 1											
Date and Time	Type	Encrypt Method	Jobname	Port	Server IP	Server IP	Client IP	Starting Total	Ending Starting	Starting Inbound	Ending Inbound
Date and Time	Type	Encrypt Method	Jobname	Port	Server IP	Server IP	Client IP	Connects	Connects	Bytes	Bytes
2024/12/17-10:59:55	Server	None	TSTTAP	18411	TCP	192.168.54.14	10.117.142.101	0	1	0	0
2024/12/17-10:59:55	Server	None	TSTTAP	18410	TCP	192.168.54.14	10.117.142.101	0	1	0	0
2024/12/17-10:59:55	Server	None	TSTTAP	18409	TCP	192.168.54.14	10.117.142.101	0	1	0	0
2024/12/17-10:59:55	Server	None	TSTTAP	18408	TCP	192.168.54.14	10.117.142.101	0	1	0	0
2024/12/17-10:59:55	Server	None	TN3270	23	TCP	192.168.54.14	10.17.13.135	2	2	4,921	4,982
2024/12/17-10:59:55	Server	None	TN3270	23	TCP	192.168.54.14	10.17.12.99	2	2	3,504	3,965
2024/12/17-10:59:55	Server	None	TN3270	23	TCP	192.168.54.14	10.72.40.117	2	2	727	727
2024/12/17-10:59:55	Server	None	TN3270	23	TCP	192.168.54.14	10.17.13.63	1	1	3,702	3,747
2024/12/17-10:59:55	Server	None	TN3270	23	TCP	192.168.54.14	10.72.40.8	1	1	193	202
2024/12/17-10:59:55	Server	None	TN3270	23	TCP	192.168.54.14	10.12.40.165	4	4	7,955	7,955
2024/12/17-10:59:55	Server	None	TN3270	23	TCP	192.168.54.14	10.12.43.149	1	1	2,420	2,420
2024/12/17-10:59:55	Server	None	TCPETB17	7096	TCP	192.168.54.14	10.117.205.22	122	126	82,544	85,504
2024/12/17-10:59:55	Server	None	TN3270	23	TCP	192.168.54.14	10.12.42.59	9	9	93,445	93,445
2024/12/17-10:59:55	Server	None	TN3270	23	TCP	192.168.54.14	10.15.42.15	2	2	69,686	69,686
2024/12/17-10:59:55	Server	None	TN3270	23	TCP	192.168.54.14	10.15.10.222	4	4	47,598	47,598
Help Information w PFI											
D-TS4240											
JA326TCP											
PF Key Assignments w PAI											

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.

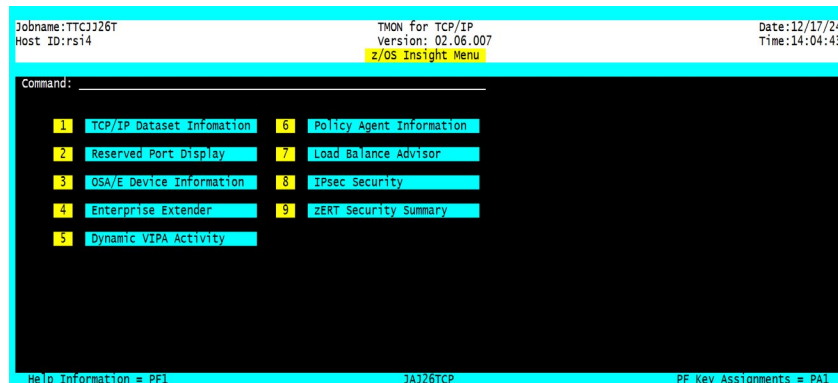
Continuous Availability Monitoring manages network devices to ensure critical components are available and responding within customer-determined thresholds.

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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