ASG-TMON® FOR TCP/IP
Cross-Platform Performance Monitoring and Management of TCP/IP Networks

OVERVIEW

Because today’s business applications rely heavily on TCP/IP networks, it has become critical to monitor and manage the availability of network devices and overall network performance. You need a seamlessly integrated solution for enterprise wide TCP/IP availability, configuration, performance, monitoring, and reporting. ASG-TMON for TCP/IP provides real-time and historical performance information on the TCP/IP host—the information you need to manage performance tuning, configuration, and resolve problems quickly.

A COMPLETE ENTERPRISE-WIDE, CROSS-PLATFORM TCP/IP MONITOR

ASG-TMON for TCP/IP is a single-point solution to monitor and manage critical TCP/IP networks. Using ASG-TMON for TCP/IP, you can:

- Monitor TCP/IP hosts and routers in real time
- Analyze resource utilization and contention
- Take action before thresholds are exceeded
- Identify and correct performance anomalies
- Perform historical reporting for trend analysis and service-level agreement verification

ASG-TMON for TCP/IP identifies network bottlenecks, implementation problems, and the network’s impact on business applications. It is the only z/OS-centric TCP/IP product that monitors and manages non-z/OS stacks and devices, and thus, the only complete enterprise-wide TCP/IP monitor.

BENEFITS

- Accelerates problem determination by displaying the number and severity of exceptions on a single screen for all TCP/IP stacks (z/OS and non-z/OS), with built-in, drill-down capabilities to see details for any stack
- Provides an easy way to define and view conditional exceptions to quickly pinpoint problems and root causes
- Simplifies application identification, network performance, and integrity issues by providing context-sensitive individual packet or socket trace information
- ASG-NaviPlex combines availability and performance data from all ASG-TMON monitors enterprise-wide into one Windows® application
- Comprehensive Performance Analysis and Reporting - includes both online and offline features for performance analysis and reporting. These features help you meet service objectives through real-time access to data, the visualization and correlation of metrics, and historical reporting.

ASG-TMON for TCP/IP provides everything needed to manage TCP/IP performance.
IMPROVE PERFORMANCE AND AVAILABILITY

ASG-NaviPlex® combines availability and performance data from all ASG-TMON monitors enterprise-wide into one Windows® application. ASG-TMON for TCP/IP, combined with ASG-NaviPlex, provides alerts via WTO, e-mail, text messaging, and SNMP, along with proactive, automated actions that can prevent application degradation and outages.

ASG-TMON for TCP/IP rapidly pinpoints problems and root causes throughout the entire network by providing conditional monitoring/alarming across SNMP and non-SNMP entities.

ASG-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 FTP, Telnet, CSM and ICMP).

- 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.

- 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.

- Entity Monitors provides in-depth monitoring of supported SNMP-enabled entities, including TCP/IP stacks, and CISCO routers.

- View Expander enhances the scope of monitoring by making performance data visible from any SNMP-enabled entity.

- 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.

- Enterprise Extender Support provides information on SNA traffic over TCP/IP including physical interface activity, virtual activity (loopback data between VTAMP 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).

- Dataset Access Reporter maps User ID’s and/or IP addresses by dataset to identify potential FTP performance enhancement opportunities.

- User ID Reporter displays all activity for any user over any time period to identify non-priority activities that are impacting network performance.

TECHNICAL SPECIFICATION

SUPPORTED ENVIRONMENTS/PLATFORMS/OPERATING SYSTEMS

- Supports z/OS 1.9 or later
- Communications Server for z/OS 1.9 or later
- SNMP agent 1.0 and 2.0
- Supports all hardware devices that support 3270 datastreams
- Supports IPV4 and IPV6