CleverView® for TCP/IP v8.2.1
The Leading Service Management Solution
Accelerate Virtualization Deployment with Performance Monitoring

CLEVER® Business Service Management

CleverView for TCP/IP v8.2.1 is the mainframe-based, industrial strength IP monitor that continues to set the pace in this domain, providing unsurpassed network performance and availability monitoring in virtualized environments. CleverView for TCP/IP uniquely supports network traffic monitoring from z/OS®, z/VM® and Linux on System z® with MXG Support.

CleverView for TCP/IP creates Interval-based SMF records (SMF 251, subtype 21). This provides TN3270 Performance Monitoring to measure End-to-End (ETE) response time with the break-out of host SNA time and network IP time. MXG Support of CleverView for TCP/IP enables the production of additional Service Level Reports to measure customer satisfaction. This release also provides the TN3270 Interval Performance Report, which conveys the daily TN3270 session response time information summarized by applications or application groups, monitor groups, and clients' IP addresses or subnets.

The TN3270 ETE support available with CleverView for TCP/IP expands the existing application performance reporting provided by our Round Trip Time (RTT) reports for all TCP/IP transactions.

When monitoring your network, security is every bit as important as performance and availability. It is important to know who is accessing your network, but also to know who has attempted and failed. Without proper security, FTP can also give hackers access your mainframe. CleverView® for TCP/IP enhances z/OS mainframe networking security for FTP with an online display of FTP session logon failures, as well as a historical summary.

Key Features

- Measure end-to-end TN3270 response time with TN3270 Interval-Based Monitoring (using SMF records) with MXG Support
- Summarize daily TN3270 session response time data with the TN3270 Interval Performance Report
- Strengthen z/OS mainframe networking security for FTP with an online FTP session logon failure display and historical summary.
- Capture user-defined system messages and optionally forward them as SNMP traps with Event Manager
- Start/Stop OSAENTA traces with the Trace Generator
- Monitor Channel, Ethernet Port, and CSS/Image interfaces to obtain performance data for OSA Express on z/OS
- Monitor z/OS based TCP/IP application and critical resource Service Level performance in real time with SysPoint
- View session information in real time for TCP and UDP endpoints (EE and non-EE sessions) with refresh interval and quick command facility in Connect Expert
- Benefit from enhanced alert notification with SNMP trap and email capabilities
- Issue Start/Stop commands with LinkView, which shows the traffic and status of channel-attached processors
- View EE Connections, APPN/HPR Connections, and UDP Port for real-time monitoring, alerting, and historical trends with EE Expert
- Obtain new data from SessionLog (including Segments In, Segments Out, and RTT), and generate optional SessionLog historical data
- Take advantage of available support for USS for z/OS-based deployment, in addition to WebSphere for z/OS

AES
149 Commonwealth Drive
Menlo Park, CA 94025
(650) 617-2400
www.aesclever.com
Applied Expert Systems - The Business Service Management Company

Highlights of CleverView® for TCP/IP v8.2.1

- **Event Manager** captures z/OS system-wide system messages with filtering and alert capabilities. Alerts can be forwarded to the MVS Console, NetView, SNMP Manager, and email notification.

- **OSAENTA Trace Generator** allows users to Start/Stop OSA-Express Network Traffic Analyzer (OSAENTA) traces.

- **Multi-Stack Monitoring** enhances the Monitor to enable monitoring of multiple TCP/IP stacks in a single LPAR.

- **Multi-Host (LPAR) Reporting** reports data across multiple LPARs or hosts.

- **SysPoint** provides a customizable view for monitoring z/OS-based TCP/IP applications in real time.

- **Issue commands for MVS and TSO, with z/COMM support, plus automation support for REXX and CLIST.**

- **Connect Expert** shows real-time application session activity for TCP and UDP (EE, non-EE) endpoint monitoring.

- **LinkView** shows the traffic and status of channel-attached processors and easily executes Start/Stop commands.

- **StackView** displays CPU, I/O, and other critical resource usage data for TCP/IP stacks within the application address spaces with the associated specific ports.

- **Real-Time Packet Tracing** capability plus **PinPoint** - a quick, easy way to zoom in on a specific category of resource or activity, including: Application, Client, Link, Port, Printer, Protocol and Resource.

- **Real-Time Monitoring** provides a continuous, interactive awareness of network response times and availability for critical resources that require communication to/from z/OS-based Business Services.

- **SessionLog Expert** provides Business Application Session Traffic and Round Trip Time (RTT).

- **Workload and Performance reports** available for FTP, Telnet, and API applications. Batch reports include Service Level achievement percentage calculations for availability and performance, plus **Round Trip Time** (RTT) reports.

- **SNMP MIB Browser support** includes BGP, CSS, OSPF, RMON, Bridge, Ethernet, and Printer MIBs.

- Available support for the industry’s most comprehensive Java server platforms including **support for WebSphere and USS for z/OS-based deployment**.

- **OSA Express Monitoring** provides monitoring and analysis of OSA Express performance on z/OS, including alerting capability. It monitors **Channel, Ethernet Port, and CSS/Image interfaces**, then provides real-time and historic reports.

- **Enterprise Extender Expert** has been enhanced with EE Connections (shows connection status and traffic data), APPN/HPR Connections (shows session information about HPR pipes, including current data and connection state, as well as flow and fault information), and **UDP Port** (provides real-time EE UDP workload data for EE assigned port).

- **Enhanced HPR-EE Alerts** focus on primary indicators of HPR-EE link health: link state availability and number of active sessions. **Alerts for EE Connections** include Minimum Active EE Sessions, NLP Retransmits, and Number of SR Retries. **Alerts for HPR Connections** include Minimum Active LU-LU Sessions, HPR Connection State, and Path Now Switching.

**CleverView for TCP/IP Version 8.2.1 with PTF TP180 (August 2011) introduces these new features:**

**TN3270 Performance Monitoring** uses interval-based SMF recording (SMF 251, subtype 21) to measure end-to-end response time, with host SNA and network IP time break-out. MXG support enables additional Service Level Reports.

**TN3270 Interval Performance Report** provides daily TN3270 session response time information summarized by applications or application groups, monitor groups, and clients’ IP addresses or subnets.

**z/OS Mainframe Networking Security for FTP** provides an online display of FTP session logon failures, as well as a historical summary, allowing you to identify and thwart potential hackers or other unauthorized access. (Requires PTF TP180.)

**CleverView for TCP/IP v8.2.1 is now generally available.**

**System Requirements:**

- **Mainframe:** z/OS V1R4 or later.
- **PC Workstation:** Pentium® PC or compatible, 500MHz or above w/512MB RAM and 200MB available disk space; Microsoft® Windows® 2000, Windows XP, Windows Vista, Windows 7 or Windows Server 2003.
- **Java Web Server:** WebSphere for z/OS 5.0 or later, or Apache Tomcat for USS 5.5.25 (included), or Apache Tomcat for Windows 5.5.25 (included), or Apache Tomcat for Linux 5.0.28 (included).
- **Web Browser:** IE 7.0 or 8.0, or Mozilla Firefox 2.x.

AES
149 Commonwealth Drive, Menlo Park, CA 94025 USA
Phone: (650) 617-2400  Fax: (650) 617-2420
Website: www.aesclever.com  Email: info@aesclever.com

CleverView, CLEVER, CLEVER TCP/IP, CLEVER eRoute, CLEVER eTrace, CLEVER Buffer, CLEVER Web, CLEVER/SNA and CLEVER ePerformance are registered trademarks of Applied Expert Systems, Inc. The IBM logo, Business Partner emblem, zEnterprise, z/OS, and z/VM are trademarks of International Business Machines Corporation in the United States, other countries, or both. The HP Business Partner logo is a trademark of Hewlett-Packard Development Company, L.P. The Red Hat Ready ISV Partner logo is a trademark of Red Hat, Inc. in the U.S. and other countries. Used under license. The Novell PartnerNet Silver Partner logo is a trademark of Novell, Inc. in the U.S. and other countries. Microsoft and the Microsoft Partner Network logo are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are the property of their respective owners.