**CLEVER® Solutions**
Empowering Global Enterprise

# Enterprise Packet Based Diagnostics with a Mainframe Focus

*Greetings!*

## Laura's Corner

Our last email blast generated many questions from our valued readers. We have selected several representative of those received to answer at this time.

## Effective Way to Coordinate Enterprise Packet Trace generation

**Situation:** "I have been trying to resolve a problem between a Windows Server, a Linux Server, and the mainframe. While the Windows and Linux administrators all agree to generate traces at a specific time to capture the problem, it has been frustrating to get them to actually do it. Can AES help?

**Solution:** The answer is to use **CleverView for cTrace Analysis**. This product is designed to capture traces on all multiple systems at the same time. Using the scheduling feature all three traces can be automated to start at a specific time, trace for a specified period of time, and repeated. Schedules can be saved as a trace profile, in order to be repeated if needed.

Once the traces are generated, they can be easily downloaded to the CleverView for cTrace Analyzer, loaded into the inventory and evaluated to reveal the packet summaries and details. In this situation **Trace Diff** will be a useful function. It allows two traces to be loaded and viewed side by side making it easier to see the packet communication between the systems. The intelligent matching of either sequence number or RU to line up the two traces is a productivity aide reducing the time to resolve the problem under investigation.

## Mainframe Trouble Shooter visibility into Packets Generated Elsewhere

**Situation:** "We have packet traces being generated by so many different groups using a variety of tools. When trying to resolve a problem as a mainframe trouble shooter I feel severely limited because I need to rely on other teams to tell me what they see in their traces. I am also dealing with many new operations personal who don't understand the mainframe and have a very difficult time running mainframe traces. Can AES help with these situations?

**Solution:** The answer is to use CleverView for cTrace Analysis. Packets with a .pcap (AIX, Unix, Linux, VSE, Windows), .cap (Sniffer) extension as well as those generated from z/OS, IBM I System, iOS, and Android can all be transferred to the CleverView for cTrace Analysis Analyzer (windows based) for examination. Once downloaded the traces are inventoried and can be loaded for evaluation. This allows a trouble shooter to analyze traces from a multitude of sources.

Packet decoding not only focuses on mainframe specific protocols like EE, Telnet, TN3270, OSAENTA, IDS, but also OSPF, TLS, NetBIOS, IPv4, IPv6, TCP, DNS, and more. With built in intelligence through Query Builder, Trace Diff, response time details, and sequence of execution, a

trouble shooter has a wealth of detailed information at their hands regarding the situation under evaluation.

CleverView for cTrace Analysis can greatly assist in the running of mainframe (z/OS) specific traces, such as Data, IDS, and OSAENTA traces. First a mainframe module can be loaded onto your z/OS systems that presents a ISPF menu driven interface to run z/OS traces. An alternate method is to use the CleverView for cTrace Analysis Generator Console to start and stop mainframe packet traces from a windows desktop.

We would love to hear from you with your Packet Trace requirements or other mainframe problem determination questions!  Click the box below to send those questions to us in an email.

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| **Learn More about CleverView for cTrace Analysis** | **Download SHARE Session on Packet Trace Analysis** | **Send us your IP Packet Trace Questions** |

# Product Spotlight

AES is pleased to announce:

CLEVERDetect® for IDS v1.2 is a z/OS Intrusion Detection solution providing an effective way to analyze IDS logs and messages, route z/OS messages to SNMP and SIEM managers, track FTP server logon failures, and issue system commands from either a browser or mobile interface. New functions in v1.2 include Dashboard, IDS Analyzer, IDS Policy Explorer, IDS Status and Logview.

CleverView® for cTrace Analysis v8.2 uniquely provides users the ability to generate and analyze IP packet traces across multiple systems concurrently. The expert functions enhance diagnostic efforts accelerating virtualization, cloud, application, security, and IPv6 deployments. Check out the existing z/OS DATA trace and OSAENTA trace and the new support for z/OS IDS trace analysis.

CleverView®for TCP/IP on Linux v2.8 now offers BlockChainView and DockerView expanding support for microservices and DevOps.  With support for connectivity and process monitoring functions unique to a LinuxONE and z System platform, AES CleverView for TCP/IP on Linux offers extensive Linux monitoring environment without limits.

**Want to see these products in action?  Request a web based demo!**

**_Request a Web based Demo_**

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| **Learn More about CleverView for cTrace Analysis v8.2** | **Learn More about CLEVERDetect for IDS v1.2** | **Learn More about CleverView for TCP/IP on Linux v2.8** |

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