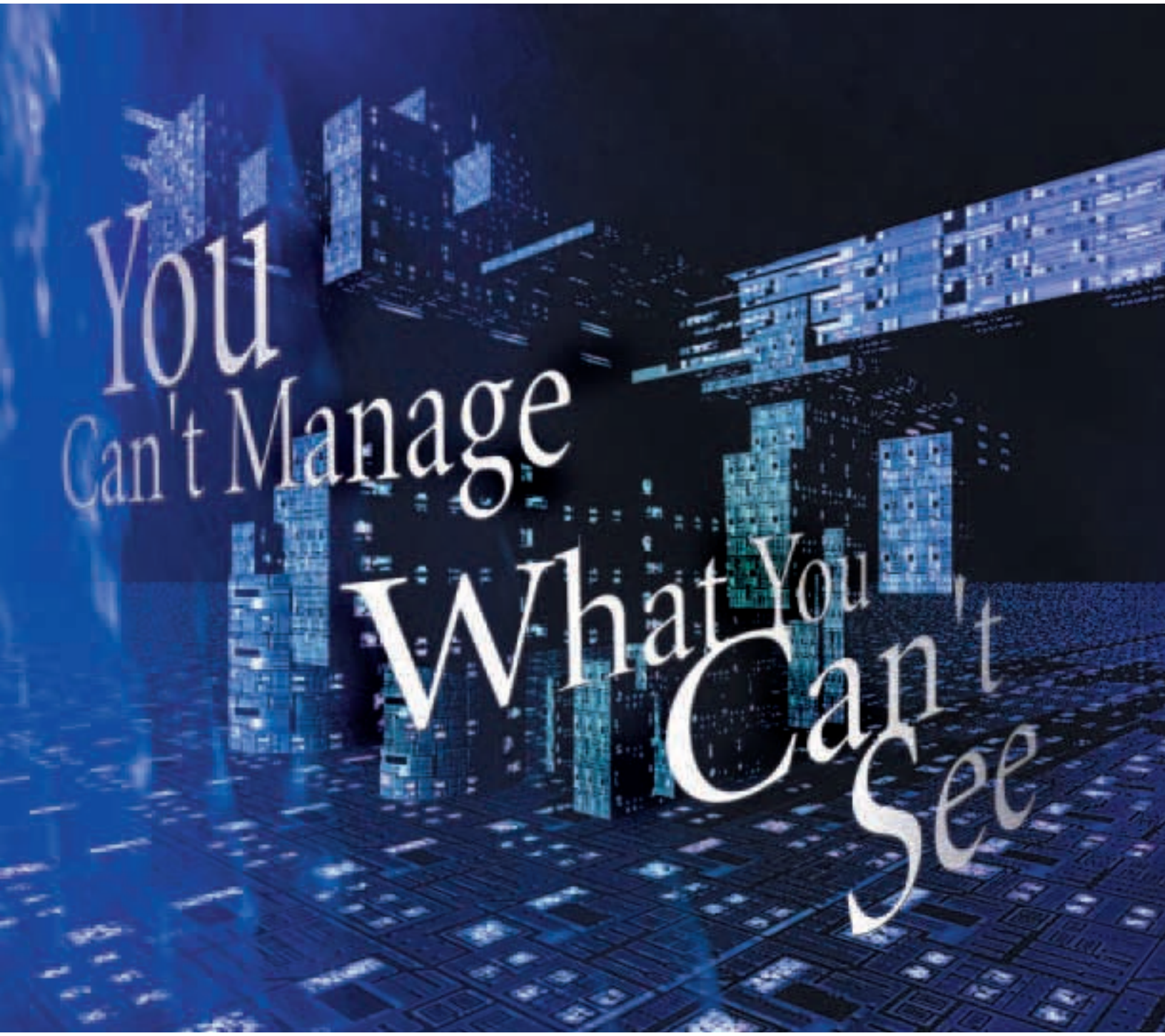


Mainframe Network Management

Software Diversified Services

Software Diversified Services'
VisionNet IP Monitor (VIP)

Real-Time and Historical IP data monitoring with an enterprise-wide view and diagnostics!

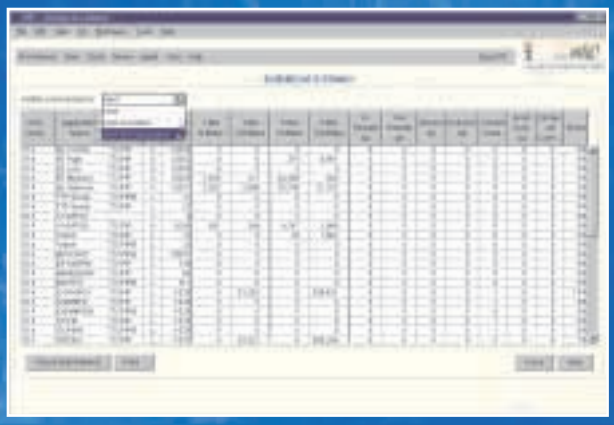
As network management needs escalate and available resources decline, it's more important than ever to have fingertip access to efficient, practical, and comprehensive real-time monitoring capabilities.

Ensuring your network's availability, responsiveness, and ability to adjust to changing demands requires proactive monitoring tools to forewarn you of critical problems and reactive diagnostics for troubleshooting unpredictable events.

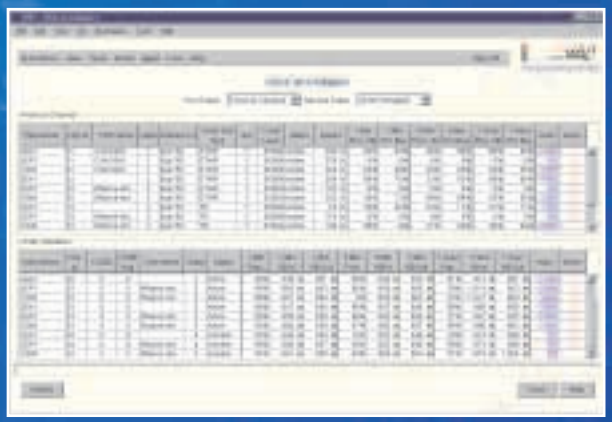
SDS VisionNet IP Monitor (VIP) lets you monitor your mainframe's IP-centric resources, as well as IP-enabled devices outside the network. Easy to install and even easier to use, it's an affordable, real-time IP monitor with a full suite of diagnostics and innovative user dashboards.

Built from the ground up as a leading edge, browser-based, z/OS IP monitor, VIP makes your network available, responsive and adjustable. It's easy to install and even easier to use!

Applications at a Glance
In a single screen, VIP's Applications at a Glance presents a central access point for monitoring the health of every monitored application on your network. You can track application availability and status—in addition to important metrics such as backlog counts and dropped connections—to identify problem areas before they become critical.



Activity at a Glance
Identify where your heaviest traffic loads are and sort by Host, Host and Stack, or Host and Application. The built-in sorting lets you pinpoint application traffic loads by bytes transferred; current, accepted, or dropped connections; and retransmissions. You can also drill down on each application for more detailed information and print the results.



OSA
VIP version 3 breaks new ground for Open System Adaptor (OSA) support by providing three views: Physical Channel, LPAR Utilization, and OSA Usage. Use it to highlight specific entries, access additional details, stay apprised of associated alerts and be able to act on those alerts: i.e. ignore, resolve, and re-instate with just a few straightforward clicks.

In today's fast-paced world you need proactive tools such as VIP's user dashboards for Networks, Applications, Alerts, OSA, Enterprise Extender, FTP, and Telnet. VIP At-a-Glance dashboards offer print capability, logical links to associated panels, access to seventeen 2D and 3D chart formats, and user controllable options.

Proactive or Reactive? Why not have both?

You also need reactive tools and a real-time packet trace that's the best in the business. VIP offers seven distinct diagnostic tools, including a Real-Time Packet Trace that serves multiple users running concurrent traces, SNMP MIB Inquiry, Traceroute and PING utilities that support both UDP and ICMP, MVS Operator Command Console, DNS Lookup, and Connections Explorer.

Effective tracking of FTP and Telnet activity requires visibility of current activity and activity from the past weeks or months. Customer configurable "linger" parameters enable you to control how long current FTP sessions (both successful and failed) remain available for viewing.

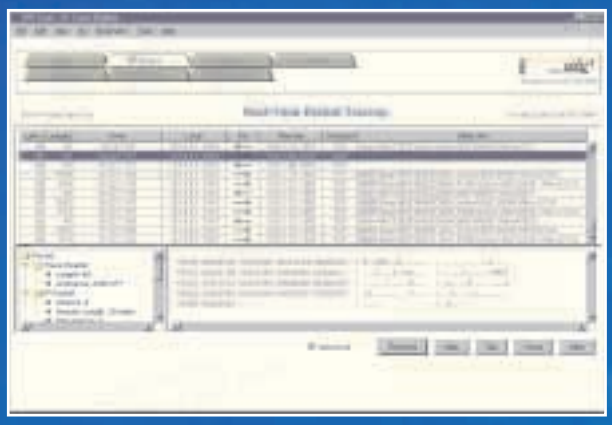
Quickly identify your heavy traffic loads by system, system and stack, or system and application. With VIP's Activity at a Glance utility, you can find your "Heavy Hitters" by ranking interfaces and connections according to their traffic volumes. Or "double sort" to rank stacks and systems according to the share of total traffic they handle. A simple double-click enables you to access additional details or drop unauthorized connections.

Remote Host Monitor provides automatic tracking of any IP-enabled device that can be reached by the z/OS stack. You control how often remote hosts are monitored as well as the monitoring of paths and path lengths. Automatically receive alerts when the paths or path lengths change or when a primary path has failed and the secondary has kicked in. VIP's Remote Host Monitor even allows you to bump the probe's packet size and issue thousands of pings for stress testing.

Don't wait for surprises or for users to report the failure!

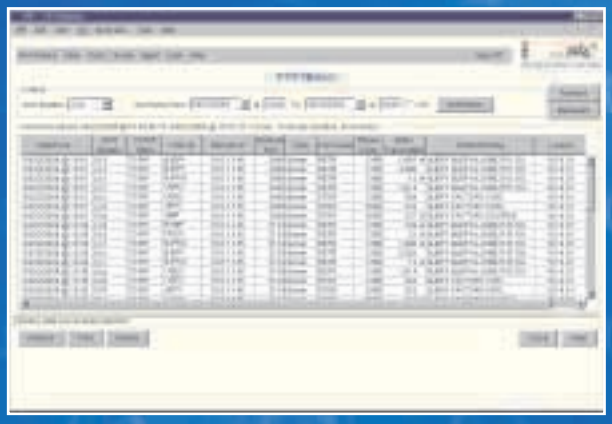
Enterprise Extender

VIP's Enterprise Extender at a Glance provides a real-time monitor for all Enterprise Extender connections and ports. Connection and port summaries report status, availability, network response times, and bytes and datagrams transferred — inbound and out.



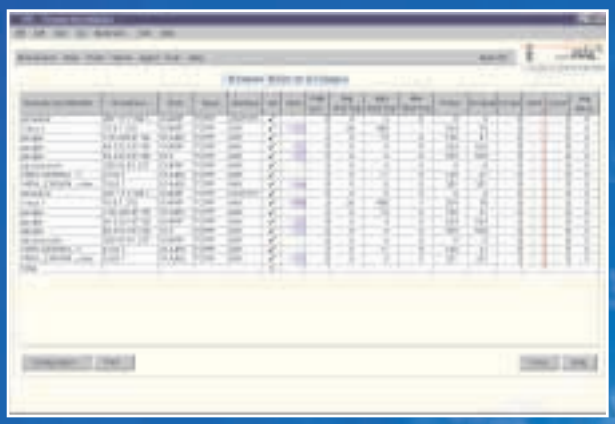
Real-Time Packet Trace

IBM's packet trace is notoriously difficult to use, and you can't see the results in real time. VIP solves that problem with a trace that's simple to use and extremely powerful. Start a packet trace in just a few easy steps. VIP trace archives are in standard IBM Component Trace format, so they can be viewed with IPCS. VIP's packet trace can be easily converted to a format (.enc) for viewing with sniffers or shareware products such as Ethereal.



FTP History

VIP's FTP History dashboard enables comprehensive tracking of past FTP activity, including details such as user IDs, IP addresses, bytes transferred, FTP return codes, and dataset names. Using it in conjunction with FTP at a Glance, network managers have detailed information for current, recent, and long-term FTP activity. Drill down on specific session details and navigate from session to session from this intuitive interface.

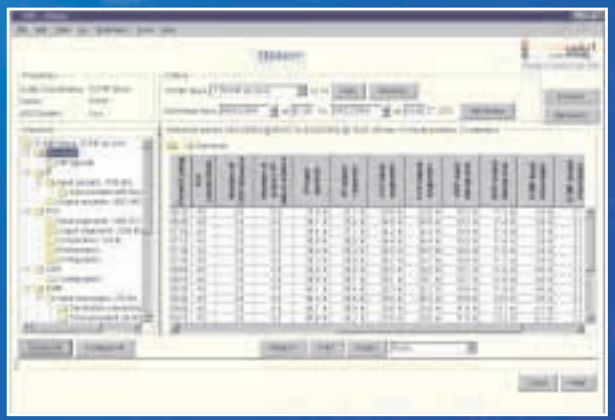


Remote Host Monitor

Remote Host Monitor enables network managers to automadically monitor remote hosts outside the mainframe. It enables managers to easily find nodes that are no longer active, and monitor the path, path length, round trip time, response time, and number of connections between a z/OS system and the remote host.

Graphing/Charting

With VIP's powerful and dynamic charting tool and history reporting, you can display your critical data in 17 different views, even in 3D! Select fields, time spans. Compare values or deltas. Rotate your 3D charts to see different angles. Zoom in and out to suit your needs.



History

Comprehensive historical information for capacity planning and analysis — via GUI interface. History data can quickly be graphed and exported in tab- or comma-delimited formats or even printed. Use VIP's hierarchical tree structure to control which column headers are displayed and retrieve the data that you need.

VIP's reactive diagnostic tools are accessible from context-sensitive menus and dashboards whenever troubleshooting is warranted. Avoid launching DOS windows or other utilities to run basic diagnostics.

Logical links between the primary dashboards and user panels ensure troubleshooting tools are accessible when you need them.

Real-Time IP Packet Trace – Serve multiple users running concurrent traces. Output IPCS format compatible with IBM's Packet Trace Utility or convert traces for viewing with SNIFFER or shareware products like Ethereal.

Traceroute – A convenient way to estimate a path's MTU size. Using either UDP or ICMP pings, set do-not-fragment and bump the packet size to pinpoint which node requires fragmentation.

MVS System Operator Command Console – Issue system operator commands from your browser!

PING – The UDP Ping, unique to VIP, provides a "hop count" of each forwarding interface, providing a more accurate measure of network transit times than ICMP pings. With do-not-fragment support.

SNMP MIB Inquiry – Support for Mandatory, IBM Enterprise, and OSA MIBs.

DNS Lookup – Resolve host name to IP address or IP address to host name with ease.

Connections Explorer – Use filters to identify and list connections by application, current state, VTAM Application ID or LU Names.

* VIP's monitoring approach prevents blind spots so you can see connection backlogs, hung connections and packet discards due to bad checksums.

* VIP automatically discovers local (OS/390 or z/OS) stacks, interfaces, connections, Enterprise Extender connections, and TCP or UDP applications, including all stacks on an LPAR.

* VIP enables you to monitor enterprise-wide with a single browser instance.

For more information:
1-877-737-8274, www.sdsusa.com

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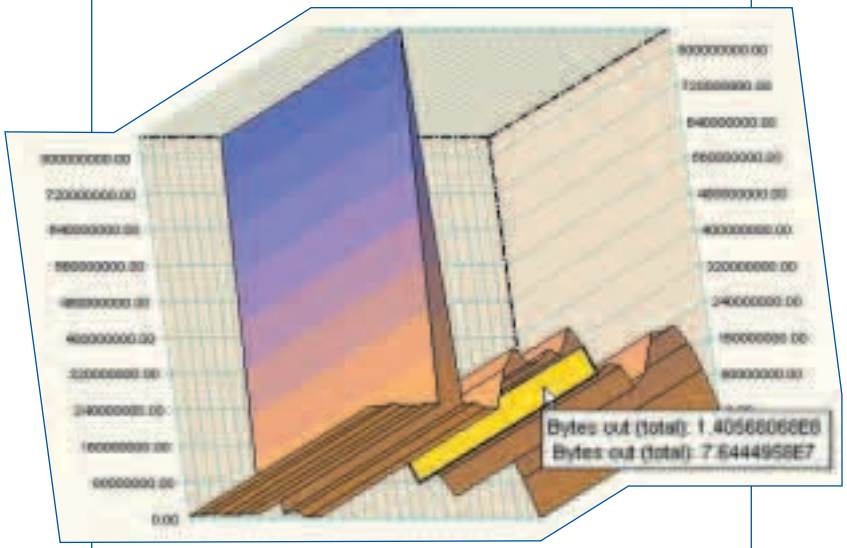
Proactive monitoring, diagnosis, and performance management of your mainframe network



SDS VIP is the only z/OS-centric TCP/IP monitor built from the ground up using state-of-the-art web technology. Get a free download of SDS VIP at www.sdsusa.com/vip today.