servicePIL⬡T

z SYSTEM MONITORING - IBM z/OS MAINFRAME TRACES

Why choose our software?

- ✓ Efficient architecture, passive probes, minimum CPU cycles
- ✓ Code 100% Assembler for optimum performance and low resource consumption
- ✓ Compliant with RACF security standards
- ✓ Solution with a modern HTML5 web interface

Answers to your needs

- ✓ IP Trace and Stack Activity
- ✓ Application performance
- ✓ Network performance

Decoding, protocol onversion

- ✓ Applications: HTTP, SMTP, FTP, Telnet, Enterprise Extender (EE), XOT, MQSeries IP
- ✓ Network: ICMP, IGMP, TCP, IGRP, UDP, GRE, ESP, AH, EIGRP, OSPF, and L2TP

Administration and Configuration

- ✓ Support for IBM z/OS v1r1 to v2r3
- ✓ Easy to install and configure with immediate results
- ✓ Automatic discovery of IP resources
- ✓ Collection with direct access to the IP dataspace

✉

Contact us
info@servicepilot.com

Easy to use and deploy our collector provides a comprehensive view of all IP traffic. It provides end-to-end network and application performance monitoring in real-time for the z/OS environment. Our tool captures traffic flows, analyzes and alerts on abnormal network behavior, such as bad application response time, bandwidth consumption. Network and host metrics are collected in detail to expedite problem identification and resolution while minimizing the risk of potential system outages. It correlates and consolidates complex transactions into intuitive PDF reports.

IP TRACES, NETWORK AND APPLICATION PERFORMANCE

**IP Trace and Stack Activity (Free and unlimited tool)**
A free trace tool is also available to collect and provide packet data for real-time display. There is no need to the stop the trace and wait for packet reformatting. Trace data is automatically recorded for subsequent re-run and analysis, and you can view the data in a variety of intuitive reportss.

Network and Application performance
This powerful tool provides a comprehensive view of TCP/IP network activity. It simplifies the process of addressing network performance and integrity issues by presenting context-sensitive information. NBA for z/OS can decode high level protocols, including HTTP, SMTP, FTP, Telnet, Enterprise Extender (EE), XOT, and MQSeries, It provides details of individual socket or packet data. The intuitive reports and dashboards help you identify network bottlenecks, and you quickly pinpoint problems and root causes by drilling-down to the details. Trend reports can be used to optimize resource utilization and reduce contention. ServicePilot NBA for z/OS enables IT teams to measure, analyze and maximize in real-time an application's performance. It provides powerful application traffic and user flow analyses with diagnostic information, statistics and errors for each connection.

Integration of the z/OS agent with ServicePilot Web interface
The typical behavior of an application and the underlying network can be profiled. If there are any meaningful changes in application behavior and usage patterns, NBA for z/OS can pinpoint a performance problem and automatically notify IT staff. A wide range of reports are available for trend analysis and exception reporting.
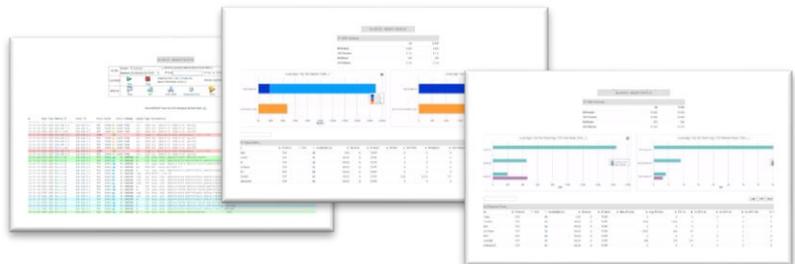
Flow statistics captured per:

- ✓ Application
- ✓ User
- ✓ Host
- ✓ Interface
- ✓ Port
- ✓ Protocol
- ✓ Zone

APM metrics and collected networks

- ✓ Several APM indicators including:
  - • Round Trip Time (RTT)
  - • Host response time
  - • Network response time, etc.
- ✓ Availability percentage
- ✓ Traffic – In/Out Bytes, In/Out Packets, Packet Size Distribution
- ✓ Bandwidth - In/Out bps and pps
- ✓ Response time – Host and Network, response time distribution
- ✓ IP – fragmented packets
- ✓ TCP - Connections Active/Started/Stopped, Anomalies (duplicate ACK, RST, Retransmits, Window < 1500 Bytes)

Data sending and integrations

- ✓ Trap
- ✓ Syslog
- ✓ SMF files
- ✓ SNMP
- ✓ Message WTO
- ✓ Email

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Frequent Ask Questions

How is NBA for z/OS licensed?
ServicePilot NBA for z/OS is licensed based on each System z logical partition (LPAR) with no MIPS limit.

What type of metrics is gathered by NBA for z/OS ?
NBA for z/OS analyzes mainframe traffic, correlates and consolidates complex transactions, and delivers the appropriate detailed statistics using more than 40 indicators.

How the collection helps with the detection of abnormal behavior on the network?
Our collecter offers a unified flow analysis system for applications and users by analyzing traffic on a z/OS platform and correlating and consolidating complex transaction components as they travel through CICS, DB2 or IMS.

Does NBA for z/OS monitor HPR activity?
Yes, NBA for z/OS monitors HPR and EE providing the following:
- ✓ List of Switched Pus
- ✓ List of Switched Pus: Status (CONNECTABLE, INACTIVE...), Nb of RTPs (Last Minute Value), List of RTPs for a Switched PU
- ✓ For each RTP: Nb sessions attached (Last minute value), Sent bytes (Real-time), Received bytes (Real-time), Sent Network Layer Packets (Real-time), Received Network Layer Packets (Real-time), List of Sessions for an RTP
- ✓ For each « CP Name » as well as information about the topology of an APPN network.
- ✓ ServicePilot NBA for z/OS also collects IP data from distant HPR nodes. It is then possible to know the traffic evolution for each distant node, as well as its prioritized distribution (Network, High, Medium, Low, LLC commands).
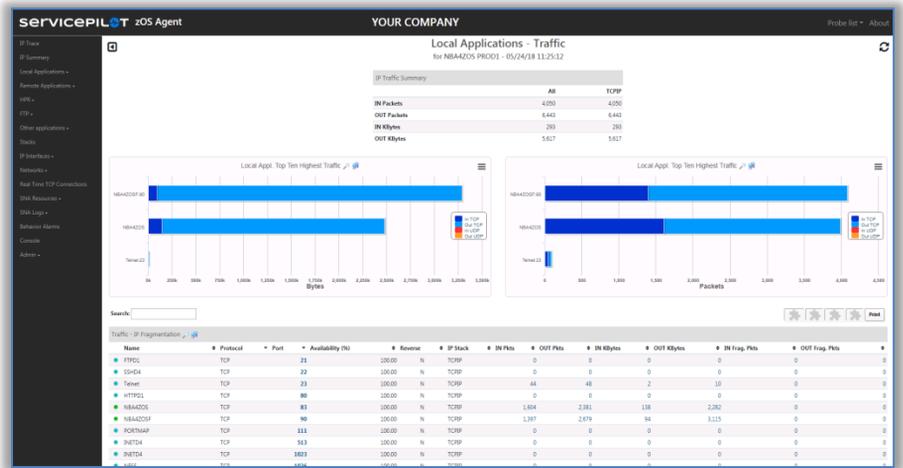
First worldwide pharmacy healthcare providers

"Easy installation, concise IP information, excellent graphic analysis, and a trace facility, to boot. ServicePilot's NBA for z/OS presents all the network monitoring and diagnostic capabilities most of us will ever need."