



VitalSigns™ Integrated Mainframe Solutions

VFTP • VIP • VNAC • VST

Collaborative Software for Mainframe Security, Automation, and Monitoring

Robust, easy-to-use SDS VitalSigns products deliver the superior security, reliable control, and end-to-end visibility you need to effectively manage your mainframe network.

The VitalSigns suite of products is a full-spectrum tool set for automating, monitoring, and troubleshooting z/OS communications servers, mainframe TCP/IP networks, and SNA applications. Graphical, browser-based software delivers a modern, efficient interface.

Multi-layer mainframe security, with support for SSH and existing SAF, protects your z/OS data infrastructure from FTP threats. VitalSigns solutions defend the entire enterprise and help meet today's stringent data regulations.

VitalSigns network management tools can significantly cut costs by automating processes, conserving resources, and diagnosing and resolving problems.

These multi-tasking products can be used individually to address specific challenges or work together as an integrated suite for mainframe network management.

Integrated solutions: bundle for collaborative advantages

VFTP + VIP + VNAC

Full-spectrum tool set for monitoring, automating, and securing mainframe data and processes.

VFTP + VST

Cost-effective, automatic security for outbound mainframe FTP sessions.

VIP + VNAC

Comprehensive z/OS mainframe monitoring, diagnostic tools, and automated messages, with substantial cost savings.

Mainframe Network Management

Replace your expensive legacy software and save!

VitalSigns for FTP™

VFTP fully integrates mainframe FTP with SAF security, guarding access and redirecting traffic through protected routes.

VitalSigns for Secure Transfer™

VST is a SOCKS proxy server that leverages OpenSSH to secure outbound mainframe data transfers, automatically converting FTP to SFTP. VST works in conjunction with VFTP.

VitalSigns for IP™

VIP provides total visibility into the network, including real-time alerts, performance metrics, and real-time IP packet traces.

VitalSigns for Network Automation & Control™

VNAC is an efficient mainframe automation manager that can trigger scripts in response to system, network, and application messages.

VitalSigns for FTP

Integrate FTP with SAF Security

Using FTP in a mainframe environment is vulnerable to sniffing and other cyber attacks. VFTP reinforces z/OS FTP traffic by fully integrating mainframe FTP with SAF security such as RACF, ACF2, or Top Secret.

VFTP wraps around FTP servers and clients to secure access and redirect traffic through protected routes. VFTP provides an end-to-end audit trail to help meet today's rigorous security requirements.

The combination of VFTP and VST provides automatic authentication, encryption, and security for outbound mainframe FTP traffic.

VitalSigns for Secure Transfer

Automatically Secure Outbound FTP Sessions

VST is an easy solution to secure mainframe client data transfers. This SOCKS proxy server automatically converts FTP to SFTP, securing FTP sessions without any batch JCL changes.

By leveraging the features of OpenSSH, VST provides complete authentication and encryption while also offering additional advantages such as both password and public key authentication. Server transfers to z/OS rely on the supported features of OpenSSH.

VST runs in conjunction with VFTP to provide effective, automatic FTP security.

VitalSigns for IP

Monitor and Manage the Network

Detect, diagnose, resolve, and prevent TCP/IP problems on z/OS networks with VIP. It's the most efficient, effective, and economical tool for monitoring the z/OS communications server and the mainframe network.

VIP eliminates blind spots and delivers real-time diagnostics and alerts. You get total visibility into the network, including IP network monitoring, Enterprise Extender monitoring, OSA monitoring, FTP monitoring, network history reporting, and monitoring of remote applications such as printers, servers, and socket apps.

IP packet traces can be run as batch jobs on the mainframe or scheduled and viewed on the UI, with real-time results. Packet traces can be downloaded in PCAP format, allowing collaboration with network teams that use tools like Wireshark.

When used with VNAC, VIP can send alerts that trigger automatic repairs.

VitalSigns for Network Automation and Control

Automate and Manage the Mainframe

VNAC is a streamlined, cost-saving replacement for legacy network management software. VNAC can trap system, network, and application messages that traverse the system console and trigger REXX scripts to automate environments.

SDS customers who have migrated to VNAC from legacy automation monitors have saved up to 50% on costs. Migration requires no user training, and installation takes less than an hour with a z/OS TSO ID that has the appropriate access.

VNAC delivers the most widely-used features, including a command interface, browsing of logs, session awareness information, and context-sensitive help for system and network messages. VNAC integrates with VIP to provide an extra layer of detail for IP networks.

VNAC servers run on Windows, Linux, and AIX, which conserves mainframe CPU cycles. On z/OS, the VNAC server can exploit a zIIP processor. VNAC agents run on LPARs where network and system visibility are required. Users can view all information on the VNAC web server.

For more information about SDS VitalSigns products, please visit www.sdsusa.com/mainframe-network-management/.

Quality Mainframe Software Since 1982

Software Diversified Services delivers comprehensive, affordable mainframe and distributed software with a focus on cybersecurity and compliance. Hundreds of organizations worldwide, including many Fortune 500 companies, rely on SDS software. Our expert development and award-winning technical support teams are based in Minneapolis, MN.

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