

TCP/IP FOR VSE™

TCP/IP FOR VSE™ provides a complete solution for connecting the mainframe to today's Internet world

TCP/IP FOR VSE™ provides a seamless interface with the Internet, allowing z/VSE mainframe applications to participate fully in the global business arena.

Built-in tools make z/VSE functions and facilities immediately available to network-attached users. Optional and third-party products bring the full power and reliability of mainframe computing to the e-commerce world.

- Runs on VSE/ESA 1.4 through the latest z/VSE version
- Supports network connections through OSA, OSA-Express, CTCA, CLAW, and equivalent hardware
- Extensive monitoring and tuning capabilities can be extended to any level of granularity, including specific destination addresses
- Customizable security features protect both network access and configuration information
- Built-in connection management provides request queuing and automatic detection and clean-up of “lost” connections
- Offers a complete set of servers, including TN3270, FTP, and LPD
- Features client software such as FTP, LPR, e-mail, and Telnet
- Provides additional support software, such as PDF creation

Additional optional features distributed with TCP/IP FOR VSE

- GPS™—General Print Server
- NFS™—Network File System
- SSL/TLS FOR VSE™—Secure Sockets Layer and Transport Layer Security
- SECUREFTP FOR VSE™—SSL-enabled FTP server and client
- SEE-TCP/IP FOR VSE™—Performance monitor for z/VSE and TCP/IP FOR VSE™

Additional TCP/IP FOR VSE features

- Easy configuration with standard z/VSE library members
- Ping, Traceroute, Discover, and other powerful tools so that a site can analyze its TCP/IP network from z/VSE
- Advanced diagnostics for detailed problem analysis
- User-defined security processing to limit access or functions to a remote user or group of users
- Message output control, and if you have BIM-FAQS™, TCP/IP activity inspection and automated z/VSE processing



TCP/IP FOR VSE™

FTP (File Transfer Protocol)

- Enjoy easy, direct access to VSAM, BIM-EDIT™, LIBR, Power, ICCF, and other VSE resident files
- Use FTPBATCH for quick, easy, efficient batch FTP transfers
- Retrieve VSAM KSDS files completely or by key range
- Automatically send Power files directly to end users
- Convert text files to PDF format for easy viewing
- Allow users on Windows to retrieve or store files directly on z/VSE
- Use a PC/Unix-like Hierarchical File System (HFS) on your z/VSE system
- Securely transfer confidential files with the SECUREFTP FOR VSE™ feature

Telnet TN3270 server

- Allow users to log directly onto 3270 VTAM applications such as CICS
- Give end users direct access to the z/VSE system using a TN3270 PC client
- Print directly to printers on remote hosts with an LPR client
- Automatically print Power LST queue entries to remote printers
- Send your data as normal print text or as a PDF to an LPR server

E-Mail

- E-mail most z/VSE-resident files directly to remote users with a batch client
- Allow PDF generation of text and embedded graphics

Web

- Provide static z/VSE data to the browser or write your own CGI (web) programs

Create TCP/IP applications with the provided Application Programming Interfaces (APIs).

- SOCKET MACRO interface for assembler programs
- BSD/C interface useable from C, COBOL, assembler, or any other language that supports standard linkage
- High-Level Preprocessor Interface for COBOL, PL1, or assembler
- Cryptographic interfaces for using SSL/TLS with strong encryption algorithms like AES, Triple-DES, RSA, or SHA1, MD5, etc.
- Socket interface for REXX programs
- EZASOCKET calls by all languages are also supported for easier portability