VFTP-SSH Tectia Server for z/OS

Easily Secure FTP for All Mainframe File Transfers – No JCL Changes

It's easier than ever to secure, monitor, and manage all FTP traffic. When SDS VitalSigns for FTP™ (VFTP) is used in conjunction with the SSH Tectia Server for IBM z/OS, you get automatic, drop-in security, authentication, and encryption of FTP – without making any JCL changes.

The combination of VFTP and the Tectia server delivers comprehensive data security for all mainframe file transfers, plus a complete audit trail that meets the requirements of today's demanding regulations.

Integrated, Automatic Mainframe Security

VFTP integrates the z/OS FTP server with mainframe SAF security such as IBM RACF, CA Top Secret, and CA ACF2.

Administrators can selectively allow or disallow any individual user or FTP command. They can allow read access to a dataset while preventing its off-site transfer, for example, or allow transfer of sequential files but not the JES spool.

FTP transfers from batch jobs can be simply and transparently redirected through SSH "tunnels" or dynamically converted to SFTP. Because file transfers to and from mainframes are automatically secured, programmers no longer need to alter every job that encrypts a file transfer.

Comprehensive, Real-Time Control from One Interface

VFTP provides real-time visibility for all FTP traffic from one vantage point. From an intuitive GUI browser interface, network security staff can control end-to-end security for FTP and data in transit.
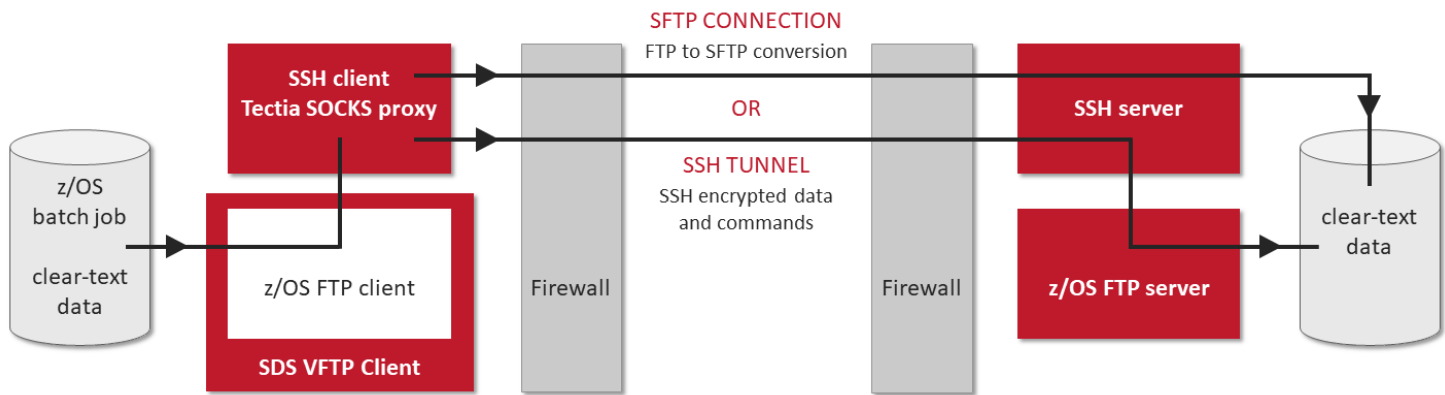
The Tectia Server for IBM z/OS is an advanced, cost-effective, secure solution for the IBM mainframe environment. State-of-the-art authentication and encryption technologies quickly and easily secure files and data moving among mainframe, UNIX, Linux, and Windows environments.

FTP Authentication, Encryption, and Security
Automatically, Without Revising JCL

The Best Solution for Secure Mainframe Communications

- Multi-layer z/OS FTP security

- One solution handles all mainframe transfers to/from Linux, UNIX, and Windows

- Works with any mainframe SAF: RACF, Top Secret, ACF2

- Provides visibility for all FTP traffic

- Automatic FTP-to-SFTP conversion

- File integrity checking

- Support for z/OS and ZFS file systems – no staging of data is required

- Automatic ASCII/EBCDIC conversion

- Interactive z/OS dataset listing

- SMF logging and auditing

- Hardware acceleration of cryptographic operations

- FTP Control Language (FCL) for automating batch jobs

- Expert SDS 24/7 support

SFTP CONNECTION
FTP to SFTP conversion

SSH client
Tectia SOCKS proxy

OR

SSH server

z/OS batch job

clear-text data

SSH TUNNEL
SSH encrypted data and commands

z/OS FTP client

Firewall

Firewall

z/OS FTP server

clear-text data

SDS VFTP Client

The Tectia SOCKS proxy server intercepts FTP traffic executed by the z/OS FTP client and sends FTP traffic via an encrypted tunnel or converts FTP to SFTP protocol.

Automatic Monitoring for Tectia Servers and Clients

Robust monitoring and auditing of FTP traffic provides powerful oversight, diagnostics, and proof of regulatory compliance.

VFTP's FTP Control Language (FCL) is an efficient tool for automating mainframe batch jobs and associated file transfers. Failed transfers are automatically logged and retried, and operators are notified if recovery fails.

For more information about securing FTP on z/OS, please visit www.sdsusa.com/vftp-ssh/.

Multiple-Layer Security that Meets Regulations

▷ Automatic and transparent FTP-to-SFTP conversion

▷ Complete data-in-transit security

▷ Secures mainframe FTP traffic to and from Windows, UNIX, and Linux environments

This solution includes native support for SFTP and SSH, the secure protocols used by Tectia servers and clients.

Multiple-layer security meets the data protection compliance standards required by government and industry regulations, including GDPR, SOX, GLBA, PCI DSS, and HIPAA.

The collaboration between SDS and SSH delivers a cost-effective solution for FTP file transfers with better usability, SAF integration, and transparent encryption while ensuring compliance with the latest security policies.

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. To learn more, please visit our website.

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