



Tectia® SSH Server for IBM z/OS

Enterprise mainframe security

Secure, automate, and optimize your mainframe communications and file transfers with the industry's most trusted remote access and secure FTP server software.



In today's complicated IT landscape, mainframes provide the reliability, speed, and security many enterprises need to run their networks and critical IT processes. Large masses of data are being transferred by big corporations every minute, and the mainframes doing the work need proper security controls.

Tectia® SSH Server for IBM z/OS is an SFTP solution for secure mainframe access and encrypted file transfers. It's easy to set up and combines enterprise-grade reliability with high performance, a light toll on cryptographic processing, and industry compliance.

Benefits

Streamlined operations

Simplify operations and boost productivity by working natively with z/OS datasets, JES, PDS/PDSE, and other mainframe utilities.

Operational efficiency

Ensure business processes run smoothly - multi-terabyte file transfers and complex workloads without interruptions.

Compliance

Ensure compliance with PCI-DSS, SOX, HIPAA, FIPS, FISMA, and more.

1. Automated FTP-SFTP conversion

- Improve wider compatibility and enable file transfers in and out of z/OS mainframes
- Automate FTP-to-SFTP conversion natively within the application

3. Robust authentication

- Multiple authentication options, including passwords, smartcards, X.509 certificates, and public keys

5. Maintained business continuity with 24/7 support

- Around-the-clock support and regular product updates
- Maintain availability, protect sensitive information, and ensure systems remain operational and compliant

2. Transparent application tunneling

- Eliminate the challenges of complex firewall and port configurations to connect applications
- Automatically encrypt and route communications without disrupting existing workflows

4. Intuitive & configurable

- Install, configure, and manage SSH environments efficiently with a configurable interface and an ISPF application

6. Quantum readiness

- Protect against emerging quantum computing threats and future-proof your mainframe security
- Support for hybrid post-quantum algorithms, combining classical and next-generation encryption



Why Tectia® SSH Server for IBM z/OS?

Protect access to your mainframes and secure encrypted data flows with the most trusted software in the industry. Tectia is the proven market leader that combines enterprise-grade reliability with high performance. Trusted by 40% of Fortune 500 companies, it's the only choice for enterprises that need fast and reliable encrypted file transfer for critical processes.

4/5

4 out of 5 world's largest banks trust and use Tectia.

Feature highlights

FEATURE	DETAILS
Direct data access without staging	• Run batch jobs in parallel instead of in sequences • Work with different dataset definitions, retain metadata for a wide variety of dataset types, such as PDS(e) load libraries • Direct access to datasets without having to write datasets to files • Notifications of successful or failed data transfers with retry/restart options • Seamless character-set conversions from preexisting and customizable code pages, enabling clean transfers between mainframe, Windows, and Unix
Smart Data Access	• Transferring JES batch jobs and access to spooled job output • Dumping/restoring complicated dataset structures during file transfers with ADDRDSU • Support for DFSORT command for selective file transfers • Inter-process communication to pass data between processes i.e., Transfer I/O using Unix named pipe • Support for variety of PDS/PDSE definitions, including IEBCOPY commands as part of file transfers
Secure File Transfer Protocol (SFTP)	• Automatic FTP-SFTP conversion • Transparent FTP tunneling • Secure against the quantum threat with Post-Quantum Cryptography (PQC) algorithms
User and server authentication	• Authentication and access control through SAF calls to RACF, ACF2, and TSS • Authentication with passwords, X.509 certificates, smartcards, or public keys • Logging and auditing using SMF records and Syslogd facilities
Ease of use	• ISPF application for installation and configuration • Configurable FTP fallback option for controlled and phased deployment • System-wide and user-specific file transfer profiles • Listing of MVS data sets as files and folders for easy interactive command line
Automation features	• Seamless FTP-SFTP conversion to ramp up mainframe security without JCL modifications • Direct access to MVS formats and efficient automation tools, while avoiding preprocessing, staging, and manual actions