

Secure SFTP Free Edition

Professional File Transfer Solution

Version 1.0

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Product Overview

Secure SFTP Free Edition is a professional, feature-rich file transfer application designed for secure and efficient file management between local and remote systems. Built with Java Swing, it provides an intuitive dual-pane interface similar to the popular WinSCP application, making it familiar and easy to use for both novice and advanced users.

Platform	Java-based (Windows, macOS, Linux)
Protocol	SFTP (SSH File Transfer Protocol)
Interface	Dual-pane GUI with drag & drop
License	Free Edition

Core Features

-  **Dual-Pane Interface** Side-by-side local and remote file browsers for intuitive file management
-  **Secure File Transfer** SFTP protocol ensures encrypted data transmission over SSH
-  **Drag & Drop Support** Seamless file transfer with drag and drop from desktop or between panels
-  **Progress Tracking** Real-time progress bars showing transfer speed, size, and percentage
-  **Batch Operations** Upload or download multiple files and folders simultaneously
-  **Activity Logging** Detailed timestamped log of all operations for auditing and troubleshooting

File Operations

-  **Upload/Download** Transfer files and folders with full recursive directory support
-  **Create Folders** Create new directories on both local and remote systems

	Delete Files	Remove files and directories with confirmation dialogs
	Rename Items	Rename files and folders with F2 hotkey support
	View Properties	Display detailed file information including size, date, and permissions
	Navigation	Browse directories with up, home, and refresh buttons

Advanced Features

1. Comprehensive Drag & Drop

The application supports multiple drag and drop scenarios for maximum flexibility:

Type	Description
External → Remote	Drag files from Windows Explorer or Mac Finder to upload
Local → Remote	Drag files within app from left panel to right panel to upload
Remote → Local	Drag files from right panel to left panel to download

2. Quick Folder Navigation

The Browse button provides instant navigation to any folder on your system. Instead of clicking through multiple directory levels, simply click Browse, select your destination folder, and navigate there instantly. Supports all folder types including network drives and mapped locations.

3. Keyboard Shortcuts

Shortcut	Action
Enter	Open selected folder
Backspace	Go to parent directory
F5	Refresh both panels
F2	Rename selected item
Delete	Delete selected items
Ctrl+Click	Multi-select files
Shift+Click	Select range of files

Technical Specifications

Category	Specification
Programming Language	Java 8 or higher
GUI Framework	Java Swing
SFTP Library	JSch (Java Secure Channel)
Supported OS	Windows, macOS, Linux
Connection Protocol	SFTP over SSH (Port 22 default)
Authentication	Username/Password
Encryption	SSH-2 protocol
File Transfer	Binary mode with integrity checking
Multi-threading	Background transfers, non-blocking UI
Memory Usage	Lightweight (~50MB typical)

Use Cases

Web Development: Upload website files to web servers for deployment and updates

System Administration: Manage configuration files and logs on remote Linux/Unix servers

Data Backup: Transfer important files and folders to backup servers securely

Team Collaboration: Share large files with team members via shared SFTP server

Content Management: Upload media files, images, and videos to content servers

Software Deployment: Deploy applications and updates to production servers

Key Benefits

1. Enhanced Productivity

Dual-pane interface and drag & drop functionality significantly reduce the time spent on file transfers, allowing

users to focus on their core tasks.

2. Security First

Built on SSH protocol with strong encryption, ensuring all data transfers are secure from interception and tampering.

3. User-Friendly Design

Intuitive interface inspired by WinSCP makes it easy for users to get started immediately without extensive training.

4. Cross-Platform Compatibility

Works seamlessly on Windows, macOS, and Linux, providing consistent experience across all major operating systems.

5. Reliable File Transfers

Robust error handling and progress tracking ensure successful file transfers even with large files and folders.

6. Free to Use

Free Edition provides powerful SFTP capabilities at no cost, making enterprise-grade file transfer accessible to everyone.

Installation Guide

Prerequisites

- Java Runtime Environment (JRE) 8 or higher
- JSch library (jsch-0.1.55.jar)
- Network access to SFTP server (port 22 by default)

Installation Steps

1. Download the WinSCPStyleSFTP.java file
2. Download JSch library from Maven Central or included package
3. Import project into Eclipse or IntelliJ IDEA
4. Add JSch JAR to project build path
5. Compile and run the application

Getting Started

Step 1: Launch Application

Run the application using your Java IDE or command line.

Step 2: Configure Connection

Enter your SFTP server details in the connection panel:

- **Host:** Server IP address or hostname
- **Port:** SFTP port (default: 22)
- **Username:** Your SFTP username
- **Password:** Your SFTP password

Step 3: Connect

Click the 'Connect' button and wait for the green status indicator.

Step 4: Start Transferring

You can now transfer files using:

- Drag and drop between panels
- Upload/Download buttons
- Right-click context menus

Support & Resources

Documentation

Comprehensive user guides and technical documentation are included with the application:

- USER-GUIDE.md - Complete user manual
- DRAG-DROP-BROWSE-GUIDE.md - Drag & drop feature guide
- FOLDER-FIX-SUMMARY.md - Folder operations guide

Troubleshooting

The Activity Log panel provides real-time feedback on all operations, making it easy to identify and resolve any issues. Common problems and solutions are documented in the user guide.

Testing Server

For testing purposes, you can use the public Rebex test server:

- Host: test.rebex.net
- Port: 22
- Username: demo
- Password: password

Best Practices

- Always verify connection status before transferring files
- Use the Activity Log to monitor transfer progress
- Keep the application updated with latest security patches
- Create regular backups of important data
- Use strong passwords for SFTP authentication

Conclusion

Secure SFTP Free Edition represents a powerful yet user-friendly solution for secure file transfers. With its intuitive dual-pane interface, comprehensive drag & drop support, and robust feature set, it serves as an excellent tool for individuals and organizations requiring reliable SFTP connectivity.

Whether you're a web developer deploying applications, a system administrator managing servers, or a business professional transferring important documents, this application provides the tools you need to work efficiently and securely.

The combination of professional features, cross-platform compatibility, and zero licensing costs makes this SFTP client an attractive choice for users at all levels of technical expertise.

Get Started Today!