Unified Sequence Diagram: SSH ECU Workflow

User	CLI Parser	SSH Client	SFTP	ECU	File System

Run ssh_connect.py with arguments

Parse config and initiate SSH connection

Connect with retries

Upload application

Execute deployment scripts

Upload recording script

Start recording

Trigger stop recording

Send Ctrl+C via shell

Download .bytesoup file

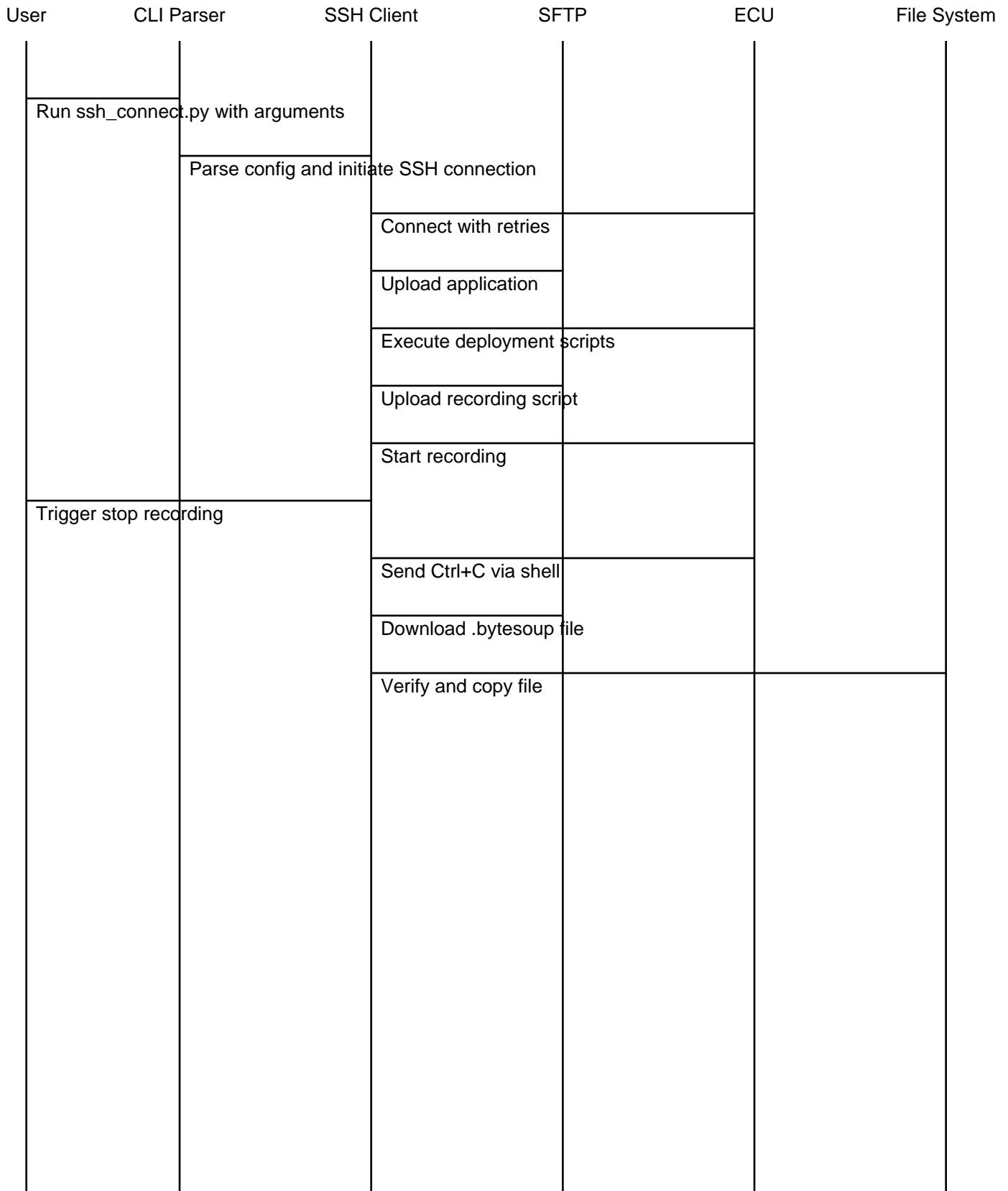Verify and copy file

Unified Sequence Diagram with Directional Arrows

User → CLI Parser: Run ssh_connect.py with arguments
CLI Parser → SSH Client: Parse config and initiate SSH connection
SSH Client → ECU: Connect with retries
SSH Client → SFTP: Upload application
SFTP → ECU: Store application
SSH Client → ECU: Execute deployment scripts
SSH Client → SFTP: Upload recording script
SFTP → ECU: Store recording script
SSH Client → ECU: Start recording
User → SSH Client: Trigger stop recording
SSH Client → ECU: Send Ctrl+C via shell
SSH Client → SFTP: Download .bytesoup file
SFTP → File System: Save file locally
SSH Client → File System: Verify and copy file