**OWL** Cyber Defense

# SSH File Transfer Protocol (SFTP)

## Protocol Adapter

## Secure Server-to-Server File Transfers

SSH File Transfer Protocol (SFTP) is a common method to enable secure server-to-server file transfers. SFTP establishes an authenticated, secure connection to transfer files between two remote systems, encrypting both command and data connections between the client and the SFTP server to securely transfer sensitive information over the network.

## Combine SFTP with Owl Data Diodes

The SFTP Protocol Adapter for Owl data diodes provides secure, one-way SFTP file transfers for critical infrastructure organizations. The adapter software supports up to five simultaneous SFTP users and five pre-configured or custom user accounts. In addition to encrypting traffic in transit, securely transfer payload-only data across the data diode, meaning no source network routing information is passed to destination networks.

## Secure Authentication

As many IT policies commonly mandate the use of SFTP to provide authentication, the SFTP Protocol Adapter supports both password and public-key authentication to meet both use cases. The menu-based system administration simplifies configuration and eliminates the need for command line access or Vi editor-based system configuration.
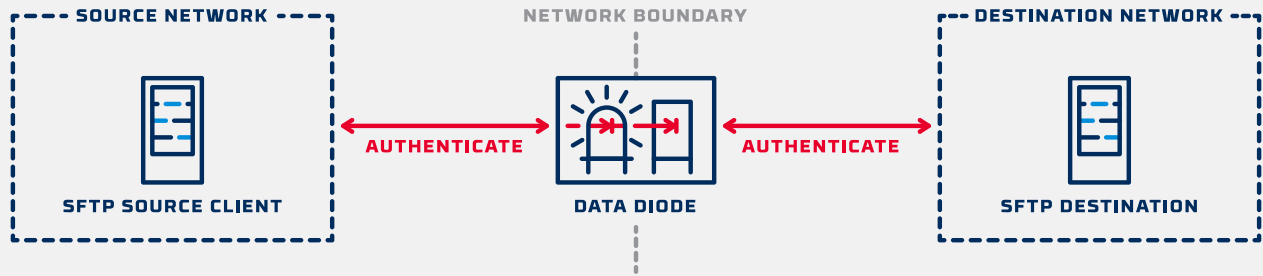
# Owl Vendor, Application, and Protocol Support

Owl products allow users to streamline their operations by supporting a variety of vendors, applications, data formats, and protocols to send data securely.

### VENDORS

- ABB
- Cisco
- Dell
- General Electric
- Honeywell
- IBM
- Industrial Defender
- Mitsubishi
- OSIsoft
- PAS Alarm Company
- Rockwell Automation
- Rockwell Collins
- Rolls Royce
- Schneider Electric
- Scientech
- Siemens
- Stratus
- Symantec
- Tripwire

### APPLICATIONS

- FoxGuard Patch Management
- GE Historian
- GE OSM Support
- PAS Alarm Management
- Schneider Electric
- AVEVA Wonderware eDNA Historian
- Scientech R*Time
- OSIsoft PI System
- Rockwell Automation RSLinx Classic
- Rockwell Automation FactoryTalk Gateway
- Rockwell Automation FactoryTalk – Historian
- Rolls Royce PMS

### NATIVELY SUPPORTED PROTOCOLS

- Email (SMTP)
- FTP
- Remote File Transfer
- SNMP Traps
- Syslog
- TCP
- UDP Unicast
- UDP Multicast
- UDP Broadcast
- NTP

### AVAILABLE PROTOCOL ADAPTERS

- DNP3
- HTTP
- ICCP
- IEC-104 Monitoring
- Modbus
- OPC A&E
- OPC DA
- OPC UA
- Remote HMI Screen Replication
- SFTP

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Owl Cyber Defense Solutions, LLC leads the world in data diode and cross domain network cybersecurity. With a constant focus on customers in the military, government, critical infrastructure, and commercial communities, Owl develops market-first, one-way data transfer products to meet a variety of operational needs, from entry level to enterprise.

**For more information on Owl, or to schedule a demo, visit www.owlcyberdefense.com**