

# cargo File Transfer Proxy Module

- Secure, private file exchange
- Internal infrastructure protected from direct external access
- Easy administration and reporting
- Full control over the location of your data
- Software and service secured and monitored

The File Transfer Proxy Module (FTPM) is a standalone component of the ncode cargo File Exchange Server, offering additional protocol support. The module serves as a secure relay between the Internet and internal networks in setups, where security policies forbid direct file transfers to specific internal network zones. Using the FTPM, files can be uploaded from data providers and other external parties onto a secure and easy to manage platform.

## Module Features

- HTTPS, SFTP, FTPS (implicit/explicit) and FTP available for file transfers (allowed protocols configurable per user)
- Web based management (SSL encrypted)
- Service protection (event based)
- Failover with data synchronization
- SSH-key authentication for SFTP
- Strong authentication for web-management with token or SMS (optional)
- Unlimited storage
- Account quotas
- Usage reporting
- Hardened operating system
- Support plans, managed options and SLAs available

## Service Protection

All file transfer services are actively monitored for brute-force attacks and abuse. Internal mechanisms will analyze and automatically



remediate the effects of such attacks. In addition, access to file transfer services can be limited to predefined IP addresses or networks.

## Installation, Maintenance and Support

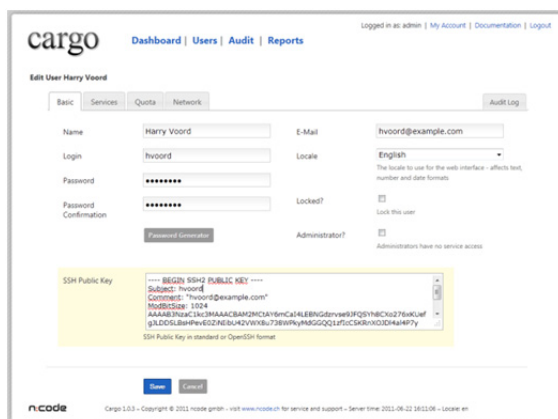
The software will be initially installed, configured and tested by an ncode engineer on site. A maintenance contract ensures the service remains secure and up to date at all times. Maintenance tasks will be performed from remote, direct onsite support is optionally available. Critical security fixes will always be deployed immediately, while regular maintenance will be scheduled with customers in advance.

## Failover and Redundancy

The file transfer services can be set up in a high-availability mode using a master-slave setup. Both hosts share a common IP address, which will always be accessible, even if the master host becomes unavailable. The data on the master host will regularly be synchronized to the slave server. The service availability can be further enhanced by choosing hardware with redundant parts, such as RAID storage.

## User Interface

The secure, web based user interface lets you manage the module from predefined hosts or networks. Comfortably edit users, quotas and services, view activity logs and reports.



## FTP Support

The basic File Transfer Protocol (FTP) is available for compatibility reasons, since some data providers still rely on this protocol. Plain FTP is not a secure protocol and is not recommended for file transfers requiring confidentiality, because data is not encrypted during transfers. Employing the Secure Shell based SFTP protocol as a secure FTP replacement is recommended. The encrypted FTPS protocol (implicit and explicit) is also available.

## Technical Requirements

The module is available as a software appliance (supporting most x86 64 bit server hardware) or as a virtual appliance for VMware® or Linux KVM. The base system requires 2GB of local storage space and 1GB memory. Depending on the expected amount of data to be stored, additional storage space will be required.

Web management is compatible with the latest supported web browsers (Microsoft Internet Explorer 8+, Mozilla Firefox 3.6+ and Apple Safari 5+, Google Chrome 12+).

An official SSL certificate is recommended for FTPS and HTTPS, if these protocols are required.

## About ncode

ncode GmbH has specialized in consulting, development and support in the areas of server and embedded systems, dynamic web applications and databases. The ncode team combines more than 30 years of experience in UNIX® and IT security engineering, as well as programming secure web applications, making it a competent partner for its customers. This experience and technical know-how are key elements when working on customer projects.

## Contact

ncode GmbH  
Badenerstrasse 431  
CH-8003 Zürich

Tel: +41 43 817 01 88  
Mail: [info@ncode.ch](mailto:info@ncode.ch)  
Web: <http://www.ncode.ch>