



# **BaswareONE SFTP Technical documentation**

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## REVISION HISTORY

Rev	Description of the change	Author	Date
1.0	Initial release	Robin De Keyzer	09/03/2012
1.1	Basware styling	Thomas Dekeyser	15/10/2015
1.2	Added BaswareONE	Sven Melkebeek	01/12/2015

## 1 Introduction

This document is meant to describe the SSH File Transfer Protocol as implemented as a server on BaswareONE.

## 2 SSH File Transfer Protocol

A network protocol that provides file access, file transfer, and file management functionality over any reliable data stream. This protocol assumes that it is run over a secure channel, such as SSH, that the server has already authenticated the client, and that the identity of the client user is available to the protocol.

## 3 Technical specifications

The currently used version of the SSH File Transfer Protocol is SSH-2.0.

## 4 Practical guidelines

When uploading a file to our server, we will pick the message up in a fixed timeframe (usually in less than a minute) and remove the file from the upload directory.

When downloading a file from our server, you will need to remove the file after downloading it to avoid downloading the file more than once.

## 5 Authentication

Authentication needs to be happen using a username / password combination. Login through certificates isn't supported.

## 6 Commands

### 6.1 Connecting

**sftp [user@]host**

Connect to the server with an optional user already defined. The server will then ask for the password to grant you access.

Test: ftp.ct.baswareone.com:5022

Production: ftp.baswareone.com:5022

### 6.2 Upload files

The implementation only foresees in uploading one file at a time. Uploading a directory isn't possible.

**put [flags ] local-path [remote-path ]**

Upload local-path and store it on the remote machine. If the remote path name is not specified, it is given the same name it has on the local machine. If the -P flag is specified, the file's full permission and access time are copied too.

### 6.3 Download files

The implementation only foresees in downloading one file at a time. Downloading a directory isn't possible.

#### **get [flags ] remote-path [local-path ]**

Retrieve the remote-path and store it on the local machine. If the local path name is not specified, it is given the same name it has on the remote machine. If the -P flag is specified, then the file's full permission and access time are copied too.

### 6.4 Directory structure

#### **cd path**

Change remote directory to path.

#### **lcd path**

Change local directory to path.

#### **lls [ls-options [path ] ]**

Display local directory listing of either path or current directory if path is not specified.

#### **lpwd**

Print local working directory.

#### **ls [flags ] [path ]**

Display remote directory listing of either path or current directory if path is not specified. If the -l flag is specified, then display additional details including permissions and ownership information.

#### **pwd**

Display remote working directory.

### 6.5 Delete files

#### **rm path**

Delete remote file specified by path.

#### **rmdir path**

Delete remote directory specified by path.

## 6.6 *Change files*

### **chmod mode path**

Change permissions of file path to mode.

### **rename oldpath newpath**

Rename remote file from oldpath to newpath.

## 6.7 *Misc*

### **exit**

Quit sftp.

### **help**

Display help text.

### **quit**

Quit sftp.