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# Mount Filesystem via SSH

- SSHFS stands for Secure SHell [FileSystem](#). Its a filesystem for [FUSE](#) (Filesystem in Userspace) so its possible for unprivileged user to mount the fs over an SSH connection.
- On server-site a running ssh-server which understand SFTP (SSH File Transfer Protocol) is needed.
- With the built-in SSH authentication and encryption SSHFS is a safe and convenient way for data transfer across insecure networks (Internet).

## Installation (Ubuntu 8.04 LTS)

```
sudo apt-get install sshfs
```

## Verwendung

1. create mountpoint

```
mkdir ~/sshfs
```

2. mount (possible without root privileges)

```
sshfs user@host:/data/ ~/sshfs
```

3. umount

```
fusermount -u /sshfs/
```

## Problems

### Connection Timeout

#### Solution:

- in your local ssh configuration you can define the host (~/.ssh/config). There must be set a "ServerAliveInterval".

```
ServerAliveInterval 60 # alle 60 Sekunden
```

**you ever mount 1T Dataspace ... ignore that**

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