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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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