

disk/file management

disk

show disk size

- check disk space: `df`
 - `-h` - human readable

show folder size

- show folder size: `sudo du -shc ./*`

find biggest folders of current directory

```
du -hs * | sort -rh | head -5
```

file movements

rsync

Links

- <https://wiki.ubuntuusers.de/rsync/>

options

- `a` - contains **highly recommended**
 - `-r` copy subfolder
 - `-l` copy symbolic links
 - `-p` keep permissions of source files
 - `-t` keep timestamps of source files
 - `-g` keep group permissions of source files

- `-o` keep user permissions of source files (only root)
- `-D` keep device permissions of source files (only root)
- `v` - verbose
- `h` - human readable
- `z` - with compression
- `-e` - remote shell auswählen
 - `-e 'ssh -p 222'` ändert ssh port auf e.g. 222

local to remote server

```
rsync [option] [source] user@hostname-or-ip:[destination path]
rsync -avhz /home/source-rsync/ user@your-remote-server.com:/home/dest-rsync/
```

remote to local server

```
rsync -avhz user@your-remote-server.com:/home/dest-rsync/ /home/source-rsync/
```

scp

```
scp <Optionen> <Quellpfad> <Zielpfad>
```

- Quellpfad: `<Nutzer>@<Host>:<Verzeichnis/Datei.Endung>`
- optionen:
 - `-C` Kompression nutzen (compression)
 - `-p` Datei-Attribute auf Zieldateien übertragen (permissions)
 - `-r` Verzeichnisse rekursiv kopieren (recursive)
 - `-v` Erweiterte Ausgabe anzeigen (verbose)
 - `-q` Ausgabe unterdrücken (quiet)
 - `-3` Daten durch lokales System senden (third party)

example:

```
scp -r srv01-local_draab:/var/lib/docker/volumes/wireguard_wireguard-config/_data/
/home/danielraab/wireguard/
```