

# rsync

Transfer files either to or from a remote host (not between two remote hosts).  
Can transfer single files, or multiple files matching a pattern.

- Transfer file from local to remote host:

```
rsync {{path/to/file}} {{remote_host_name}}:{{remote_host_location}}
```

- Transfer file from remote host to local:

```
rsync {{remote_host_name}}:{{remote_file_location}} {{local_file_location}}
```

- Transfer file in archive (to preserve attributes) and compressed (zipped) mode:

```
rsync -az {{path/to/file}} {{remote_host_name}}:{{remote_host_location}}
```

- Transfer a directory and all its children from a remote to local:

```
rsync -r {{remote_host_name}}:{{remote_folder_location}}  
{{local_folder_location}}
```

- Transfer only updated files from remote host:

```
rsync -ru {{remote_host_name}}:{{remote_folder_location}}  
{{local_folder_location}}
```

- Transfer file over SSH and show progress per file:

```
rsync -e ssh --progress {{remote_host_name}}:{{remote_file}} {{local_file}}
```

- Transfer file over SSH and show global progress:

```
rsync -e ssh --info=progress2 {{remote_host_name}}:{{remote_file}}  
{{local_file}}
```