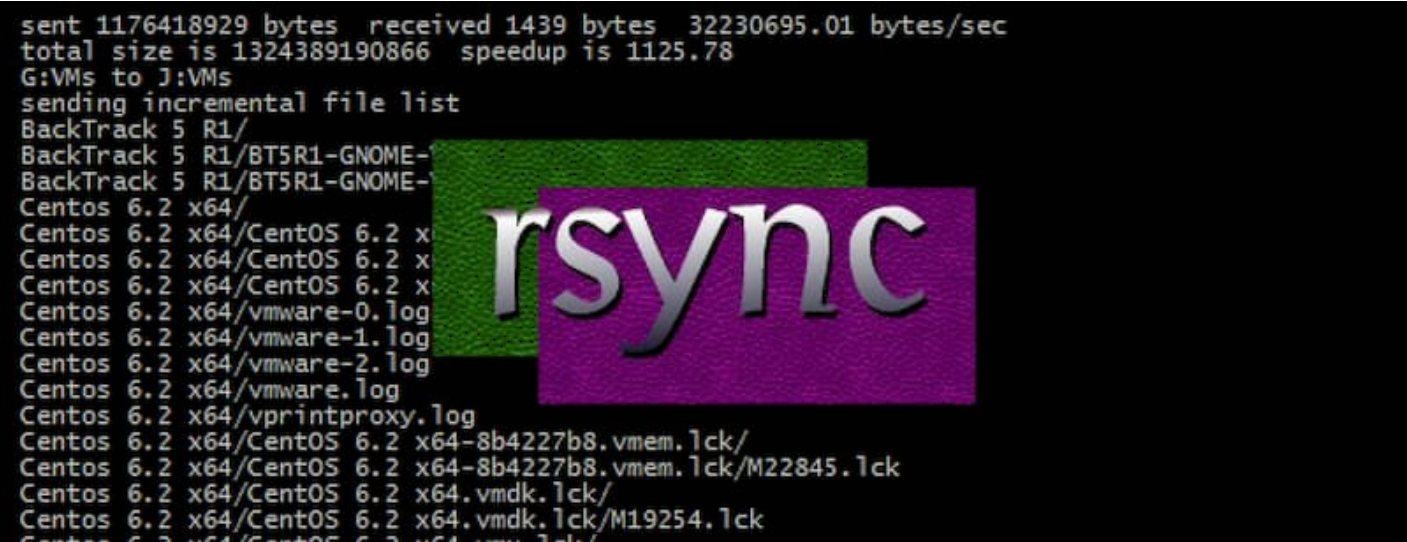


rsync

“ rsync

rsync Linux

cp | mv



r remote rsync " " remote sync FTP scp rsync

rsync

```
# Debian
$ sudo apt-get install rsync

# Red Hat
$ sudo yum install rsync

# Arch Linux
$ sudo pacman -S rsync
```

rsync

-r

rsync cp mv

```
$ rsync -r source destination
```

-r -r rsync source destination

```
$ rsync -r source1 source2 destination
```

source1 source2 destination

-a

-a -r rsync -a -r

```
$ rsync -a source destination
```

destination rsync source destination destination/source

source destination

```
$ rsync -a source/ destination
```

source destination destination source

-n

rsync -n --dry-run

```
$ rsync -avn source/ destination
```

-n -v

--delete

r --delete

```
$ rsync -av --delete source/ destination
```

--delete destination source

--exclude

`--exclude`

```
$ rsync -av --exclude='*.txt' source/ destination
#
$ rsync -av --exclude '*.txt' source/ destination
```

TXT

`rsync``--exclude="*.txt"`

```
$ rsync -av --exclude 'dir1/*' source/ destination
```

`--exclude`

```
$ rsync -av --exclude 'file1.txt' --exclude 'dir1/*' source/ destination
```

`--exclude`

```
$ rsync -av --exclude={'file1.txt','dir1/*'} source/ destination
```

`--exclude-from`

```
$ rsync -av --exclude-from='exclude-file.txt' source/ destination
```

--include

`--include` `--exclude`

```
$ rsync -av --include="*.txt" --exclude='*' source/ destination
```

TXT

SSH

`rsync`

```
$ rsync -av source/ username@remote_host: destination
```

```
$ rsync -av username@remote_host:source/ destination
```

rsync SSH

```
rsync [-eS|-e ssh]
```

```
$ rsync -av -e ssh source/ user@remote_host:/destination
```

```
[-eS]      SSH
```

```
$ rsync -av -e 'ssh -p 2234' source/ user@remote_host:/destination
```

```
-e      SSH    2234
```

rsync

```
SSH    [rsync: //]    rsync:: 73
```

```
$ rsync -av source/ 192.168.122.32::module/destination
```

```
[module]      rsync
```

```
rsync      module
```

```
$ rsync rsync: //192.168.122.32
```

```
rsync [rsync: //]
```

```
$ rsync -av source/ rsync: //192.168.122.32/module/destination
```

rsync

rsync

```
--link-dest
```

```
$ rsync -a --delete --link-dest /compare/path /source/path /target/path
```

```
--link-dest    /compare/path    /source/path    /target/path
```

```
#!/bin/bash
```

```
# A script to perform incremental backups using rsync
```

```
set -o errexit
set -o nounset
set -o pipefail
```

```
readonly SOURCE_DIR="${HOME}"
readonly BACKUP_DIR="/mnt/data/backups"
readonly DATETIME="$( date ' +%Y- %m- %d_ %H: %M: %S' )"
readonly BACKUP_PATH="${BACKUP_DIR}/${DATETIME}"
readonly LATEST_LINK="${BACKUP_DIR}/latest"
```

```
mkdir -p "${BACKUP_DIR}"
```

```
rsync -av --delete \
    "${SOURCE_DIR}/" \
    --link-dest "${LATEST_LINK}" \
    --exclude=".cache" \
    "${BACKUP_PATH}"
```

```
rm -rf "${LATEST_LINK}"
```

```
ln -s "${BACKUP_PATH}" "${LATEST_LINK}"
```

```
|${BACKUP_DIR}/${DATETIME}| |${BACKUP_DIR}/latest| |${BACKUP_DIR}/latest| |${BACKUP_DIR}/latest|
```

`-a` `--archive` modification time

`--append`

`--append-verify` `--append`

`-b` `--backup` `--suffix` ~

`--backup-dir` `--backup-dir=/path/to/backups`

`--bwlimit` `KB/s` `--bwlimit=100`

`-c` `--checksum` `rsync` `rsync`

`--delete`

`-e` SSH

`--exclude` | `--exclude="*.iso"`

`--exclude-from`

`--existing` | `--ignore-non-existing`

`-h`

`-h` | `--help`

`-i`

`--ignore-existing`

`--include` | `--exclude`

`--link-dest`

`-m`

`--max-size` | `200KB --max-size='200k'`

`--min-size` | `10KB --min-size=10k`

`-n` | `--dry-run` | `-v`

`-P` | `--progress` | `--partial`

`--partial` | `rsync` | `--append` | `--append-verify`

`--partial-dir` | `--partial-dir=.rsync-partial` | `--append` | `--append-verify`

`--progress`

`-r`

`--remove-source-files`

`--size-only`

`--suffix` | `~`

`-u` | `--update`

`-v` | `-vv` | `-vvv`

`--version` | `rsync`

[How To Use Rsync to Sync Local and Remote Directories on a VPS](#), Justin Ellingwood

[Mirror Your Web Site With rsync](#), Falko Timme

[Examples on how to use Rsync](#), Egidio Docile

[How to create incremental backups using rsync on Linux](#), Egidio Docile

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