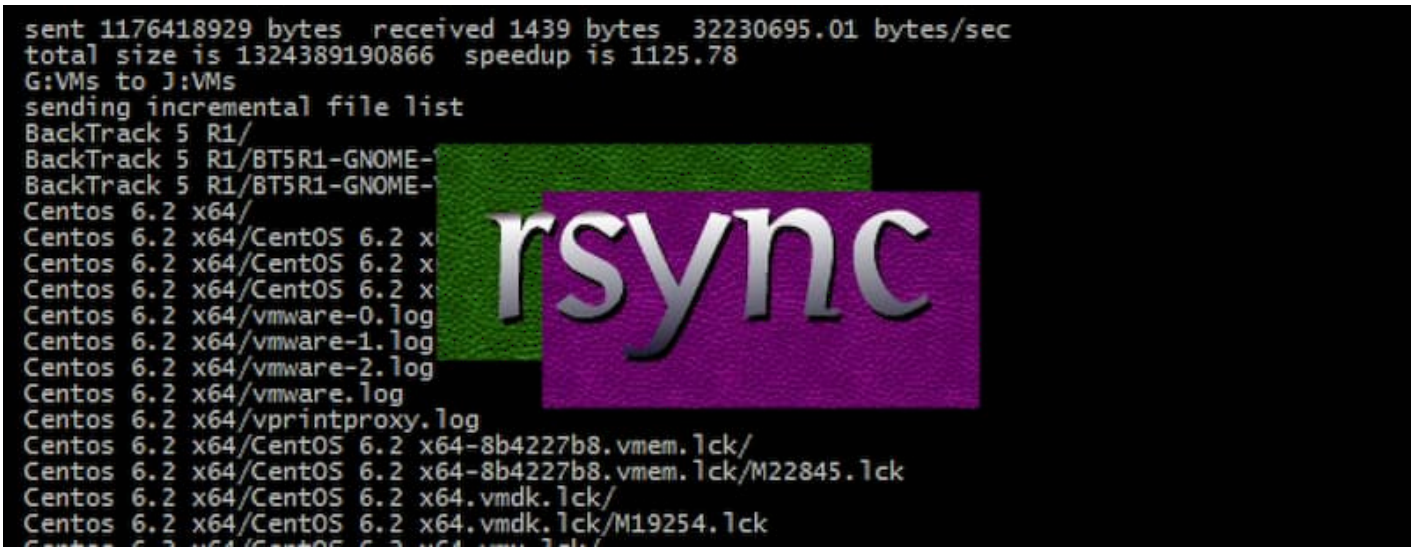
rsync

> 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 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 -anv source/ destination
```

-n -v

--delete

n --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=".*"`

```
$ 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 `-e SH` `-e ssh`

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

`-e h` SSH

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

-e SSH 2234

rsync

SSH `rsync://` `rsync::873`

```
$ 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|

`-z`

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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