

rsync 简介

简介

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安装

rsync 在 Linux 上通常已经预装了

```
sudo apt-get install rsync
```

```
rsync -r /local/path remote://remote/path
rsync -r /local/path remote://remote/path --rsync-path=/usr/bin/rsync
```

rsync SSH



rsync

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

# Red Hat
$ sudo yum install rsync

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

rsync



rsync rsync

-r

rsync cp mv

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

-r destination -r source rsync destination/source

```
$ 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

`rsync`
`--delete`

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

`--delete` `destination` `source`



--exclude

xxxxxxxxxxxxxxxxxxxxxxxx

--exclude xxxxxx

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

xxxxxxx TXT xx

xx rsync xx " "xxxxxxxxxxxxxxxxxxxxxxxx

--exclude=".*"

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

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

xxxxxxxxxxx

--exclude xx

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

xxxxxxxxxxx

Bash xxxxxxxxxxxxxx

--exclude xx

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

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

--exclude-from xxxxxxxx

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

--include

--include xxxxxxxxxxxxxxxxxxxxxx

--exclude xxxxx

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

xxxxxxxxxxxxxxxxxxxxxxxx

TXT xx

xxxx

SSH

rsync

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

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

rsync SSH

rsync SSH -e -e ssh

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

ssh -e 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}/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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☐ cocobook-sync ☐☐ 2026-10-28 11:29:17 UTC