

rsync

“ rsync

rsync Linux

`cp` | `mv`

```
sent 1176418929 bytes received 1439 bytes 32230695.01 bytes/sec
total size is 1324389190866 speedup is 1125.78
G:VMs to J:VMs
sending incremental file list
BackTrack 5 R1/
BackTrack 5 R1/BT5R1-GNOME-
BackTrack 5 R1/BT5R1-GNOME-
Centos 6.2 x64/
Centos 6.2 x64/CentOS 6.2 x
Centos 6.2 x64/CentOS 6.2 x
Centos 6.2 x64/CentOS 6.2 x
Centos 6.2 x64/vmware-0.log
Centos 6.2 x64/vmware-1.log
Centos 6.2 x64/vmware-2.log
Centos 6.2 x64/vmware.log
Centos 6.2 x64/vprintproxy.log
Centos 6.2 x64/CentOS 6.2 x64-8b4227b8.vmem.1ck/
Centos 6.2 x64/CentOS 6.2 x64-8b4227b8.vmem.1ck/M22845.1ck
Centos 6.2 x64/CentOS 6.2 x64.vmdk.1ck/
Centos 6.2 x64/CentOS 6.2 x64.vmdk.1ck/M19254.1ck
Centos 6.2 x64/CentOS 6.2 x64.vmdk.1ck/M19254.1ck
```

`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 -anv 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

Revision #2

Created 19 July 2021 18:12:21 by

Updated 19 July 2021 18:33:14 by