

# Rsync

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```
--bwlimit=30000
```

30000 = 30000 KB/ps = 30 MB/ps

## Dry Run

```
rsync -avh -n <source> <destination>
```

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```
rsync -avh --delete --exclude='path1/to/exclude' --exclude='path2/to/exclude' source/ destination
```

```
rsync -avh /source/*.log /destination
```

- source/ ????+?? ??????????
- source ????????? ????????
- --delete ?????????????????? (NOTE: ?????????????????? \*.log?  
????????????????????????????)

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```
rsync --partial --progress --rsh=ssh <local_file> user@host:<remote_file>
```

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```
rsync -avzh /root/rpmpkgs root@192.168.0.141:/root/
```

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```
rsync -avzh root@192.168.0.141:/root/rpmpkgs /tmp/myrpms
```

?? SSH

```
# Copy a File from a Remote Server to a Local Server
rsync -avzhe ssh root@192.168.0.141:/root/anaconda-ks.cfg /tmp

# Copy a File from a Local Server to a Remote Server
rsync -avzhe ssh backup.tar.gz root@192.168.0.141:/backups/
```

## Include & Exclude

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```
rsync -avh /source/*.log /destination

rsync -avh --include='*.log' --exclude='*' /source/ /destination
```

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```
rsync -avh --exclude-from=/root/exclude-files.txt /source/ /destination
```

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?? Linux ????

- [How to Clone a CentOS Server with Rsync](#)
- [How To Backup Your Entire Linux System Using Rsync](#)

```
mount /dev/sdb1 /mnt
rsync -aAXv / --exclude={"/dev/*","/proc/*","/sys/*","/tmp/*","/run/*","/mnt/*","/media/*","/lost+found"} /mnt
```

With a exclusion file

exclude-files.txt:

```
/boot  
/dev  
/tmp  
/sys  
/proc  
/backup  
/etc/fstab  
/etc/mtab  
/etc/mdadm.conf  
/etc/sysconfig/network*
```

## Cloning a Linux Server

```
sudo rsync -vPa -e 'ssh -o StrictHostKeyChecking=no' --exclude-from=/root/exclude-files.txt / REMOTE-IP:/
```

## How does rsync work

<https://michael.stapelberg.ch/posts/2022-07-02-rsync-how-does-it-work/>

## Other solutions

- [Syncthing](#) - It is a free and open-source file syncing application used to sync files between multiple remote devices over the internet. It works on peer-to-peer architecture and exchanges the data automatically between two devices.

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