

rSync

What is rSync?

rSync is a file transfer command that can be used for both local and remote transfers.

Remember to be careful with rSync - it's a synchronisation command and can overwrite files.

example:

I have 2 directories:

/:

directory1:

|_>file1

directory2:

|_> file1

|_> file2

If I run `rsync directory1 directory2`, then file2 would be removed, and file1 would be synced.

rSync command syntax

`rsync [option] [user@host]`

Basic local file transfer

```
rsync /sourcefile /destinationfile
```

Basic remote file transfer:

```
rsync /sourcefile user@IP_IP_IP_IP:destination/location/on/remote/server
```

rSync Tunelling (secure rsync over SSH)

```
rsync -e ssh /sourcefile user@IP_IP_IP_IP:destination/location/on/remote/server
```

flags:

-a	archive
-z	gzip compression
-u	skip existing files at destination
-r	recursive
-P	show progress of transfer
--exclude=	specify files to ignore (ie "*.log") (needs to be paired with --include). Appended to command prior to source file specification.
--include=	(only needed if using --exclude) If you're excluding files from an rsync transfer, you'll need to add --include="*". Appended to command prior to source file specification.
--dry-run	Test run of rSync to display the changes that would be made. No file synchronisation is performed with this option enabled. Appended to end of command.

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