

## HOW TO: RSYNC

### TRANSFERRING FILES AND FOLDERS FROM YOUR LINUX COMPUTER TO YOUR IOMEGA® NAS DEVICE



**SITUATION:** I'm running Linux on my computer and I want to use Rsync to transfer my computer's files and folders to my Iomega StorCenter NAS device as a way to back up the data on my computer.

#### USING RSYNC FOR FILE TRANSFERS

You can transfer files and folders to your Iomega NAS StorCenter device using Rsync. Rsync is already included in your installation of Linux.

#### MOUNT STORAGE SHARES

First, create a directory to mount a storage share to, for example, `/net`. Next, mount the storage share to that directory by going to the terminal line prompt, opening a text editor (such as `gedit`), and modifying the `/etc/fstab` file. In the `fstab` file, type a line similar to the following:  
`//IomegaStorCenter/public /net cifs rw, noperm, password= 0 0`

where `IomegaStorCenter` is the name of your Iomega NAS device, `public` is the share on the NAS device, `/net` is the directory where the share will be mounted to, `cifs` is the type of share, `rw` means read/write, `noperm` means no special permissions, and `password=` means there is no password on the share. Save the file.

#### TRANSFER FILES TO IOMEGA STORCENTER NAS

Rsync does not let you create a defined backup plan with predetermined files being backed up at predetermined times. Rather, it is a file transfer command that can mirror what is on your computer's hard drive to another device's hard drive. It is possible to write a script that would execute file transfers at predetermined times.

To transfer files, type the following command at a command line terminal:

```
rsync -delete -av /home/user /net/backup
```

Where the `-a` option means to archive, the `-v` option is for verbose (this lets you see the files being backed up on your monitor), `/home/user` is the directory on your Linux computer, and `/net/backup` is the backup directory on your Iomega StorCenter NAS device.

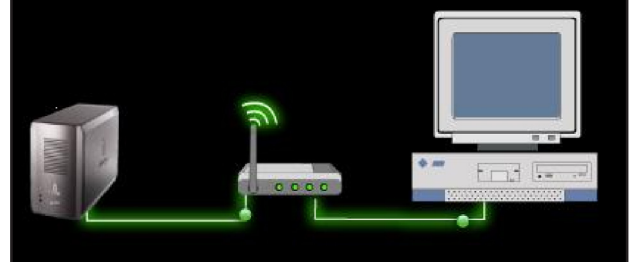
#### TRANSFER FILES FROM IOMEGA STORCENTER NAS

To get the files back from your Iomega NAS StorCenter Device to your computer, you reverse the file transfer.

At a command line terminal, type

```
rsync -delete -av /net/backup /home/user
```

Rsync transfer files back and forth from your linux computer to your Iomega StorCenter NAS device.



The Iomega StorCenter family of NAS storage solutions blends award-winning EMC® storage and security technologies with easy-to-use configuration and management tools purpose-built for small businesses and remote offices. Learn more about Iomega NAS solutions at [www.iomega.com/NAS](http://www.iomega.com/NAS).