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.
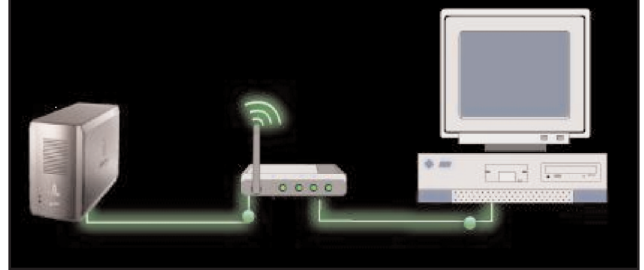
TRANSFER FILES FROM IOMEGA STORCENTER NAS
To get the files back from your Iomega NAS StorCenter Device to your computer, you reverse the file transfer.

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.

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