

LFTP

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Overview

This is less about LFTP and more about an issue I was trying to resolve. I had just setup an Encoding on Demand server on a G8. I copied a couple of files to the /var/sources location, which is on the 220GB partition (G8 by default have a 240Gb SSD).

Filesystem	Size	Used	Avail	Use%	Mounted on
dev/mapper/vg_main-lv_root	66G	4.6G	58G	8%	/
devtmpfs	94G	0	94G	0%	/dev
tmpfs	94G	16K	94G	1%	/dev/shm
tmpfs	94G	3.1G	91G	4%	/run
tmpfs	94G	0	94G	0%	/sys/fs/cgroup
/dev/sdal	488M	75M	378M	17%	/boot
dev/mapper/vg_main-lv_opt	66G	1.8G	61G	3%	/opt
dev/mapper/vg_main-lv_var	220G	115G	94G	56%	/var
overlay	220G	115G	94G	56%	/var/lib/docker/overlay/569038e828fa90502037331d0f569b84d4c45f6c185a38d59ef528d86d847d7a/merged
shm	64M	0	64M	0%	/var/lib/docker/containers/46f8e89d7979e96b1a15f4ac030df87c5fb5879d6616301ceae028e46573044e/shm
overlay	220G	115G	94G	56%	/var/lib/docker/overlay/d2fe724a52ba2d21bf188d98413458af813795857b8c5849467285fb07711185/merged
shm	64M	0	64M	0%	/var/lib/docker/containers/ba3fbd2b2ad7731bf131477c0c60ac3d2b60b42a98dee30d4d159d74dee4783c/shm
tmpfs	19G	0	19G	0%	/run/user/0

These two files were around 4GB and 15GB respectively. I had no issues with copying these files. I copied them from a local machine (Windows 10) using MobaXterm (which I believe uses sFTP when drag and drop file copying is used).

However, the third file was 90GB, and every time it got to 71% it failed. And during the third attempt, I noticed that the /opt partition was filling up, and its only 66GB in size. So for some reason, the files were being copied (or cached) before going to the final destination partition.

Long story short, I needed a way to get the files directly on to my desired partition.

LFTP

LFTP is an FTP client for Linux that supports ftp, http, sftp, fish, torrent etc. I used LFTP because just installing FTP on CentOS7 (yum install FTP) installs an FTP client that the customers FTP server did not like.

Installing LFTP

To install just use: `sudo yum install lftp -y`

Using LFTP

To connect to an FTP server use: `lftp username@ftp.server` (you will then be prompted for a password)

I then copied the file to my required destination partition by using the following: `get filename -o /destination/filename`

An example would be: `get UHD_File.mxf -o /var/sources/UHD_File.mxf`

Using this method, the file was transferred to the correct partition, without first being copied to/cached somewhere else.

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