

CrySyS Challenge 2021 - TBD (Misc)

In this challenge we download a file called 'finalfinalvesrionforrealthistime'.

Run the 'file' command:

```
daniel@DESKTOP-ESKH5GM:/mnt/d/Downloads$ file finalfinalversionforrealthistime
finalfinalversionforrealthistime: Linux jffs2 filesystem data little endian
```

After a bit of research I found the following tool, named jefferson, to mount the filesystem:

<https://github.com/sviehb/jefferson>

On the filesystem there are hundreds of files, each containing hundreds of lines of the following format:

'cd21{im_very_indecisive_<some random characters>}'

The task is now to find the correct flag out of the thousands of flags which are given. Luckily, there is a README that tells us:

```
daniel@DESKTOP-PLMGOR7:/mnt/c/Users/Daniel/ctf/crysys/misc/finalfinal/mn$ ls
fs_1
daniel@DESKTOP-PLMGOR7:/mnt/c/Users/Daniel/ctf/crysys/misc/finalfinal/mn$ cd fs_1
daniel@DESKTOP-PLMGOR7:/mnt/c/Users/Daniel/ctf/crysys/misc/finalfinal/mn/fs_1$ ls
README
daniel@DESKTOP-PLMGOR7:/mnt/c/Users/Daniel/ctf/crysys/misc/finalfinal/mn/fs_1$ cat README
I hate coming up with flags, they always sound lame. So with this challenge I wanted to make the perfect flag. I may have gone a bit overboard though... Anyways I wrote all the flag candidates under /pi/flags/ folder in multiple files, so I can organize them, and select the best one. Sadly I now realize, that I accidentally overwrote the perfect flag, and I can't remember it. Luckily I can remember that I wrote it in the file "flag404" on the 5. line at exactly 1612346514 unix time. I must have overwritten it later, because I can't find it anymore. Can you help me?
```

I thought, that's a bit too easy. But I got a hundred attempts, so it won't hurt. I copied the flag at the specified place, and it actually was the flag:

```
daniel@DESKTOP-PLMGOR7:/mnt/c/Users/Daniel/ctf/crysys/misc/finalfinal/mn/fs_1/flags$ cat flag404 | head -n 10
cd21{im_very_indecisive_tTuDqC}
cd21{im_very_indecisive_crxwhR}
cd21{im_very_indecisive_MgXEAU}
cd21{im_very_indecisive_MgGzQv}
cd21{im_very_indecisive_1612346514}
cd21{im_very_indecisive_YiVqeY}
cd21{im_very_indecisive_CTQLZq}
cd21{im_very_indecisive_NjLozo}
cd21{im_very_indecisive_dfNunP}
cd21{im_very_indecisive_grUyHq}
```