NcFTP → fringetest transfer problems

Current situation (Paul Boven collected stats from the server)

- Ef: 200 - 600 MB/s
- Jb: 6.5 MB/s
- Hh: 10 - 25 MB/s
- Ir: 2 MB/s
- Kc: 50 - 60 MB/s
- Ku: 50 - 60 MB/s
- Kt: 50 - 60 MB/s
- Ky: 50 - 60 MB/s
- Mc: 3 - 4 MB/s
- Mh: 260 - 300 MB/s
- Nt: 2 MB/s
- O6: 4 - 5 MB/s
- Sr: 2 - 3 MB/s
- Wb: 145 - 170 MB/s
- Ys: 2 - 3 MB/s

- Tr: was 3 - 4 MB/s, now > 100 MB/s

But the problem which forced us to do something wasn't just the slow transfer…

The connection was randomly freezing and then ncftpput was being killed by the FS (disk2file=abort,autoftp) at the beginning of the next scan.

What was attempted

- Forcing passive/active mode – same effect using both ncftp and ncftpput
- Examining ncftp debug log

Alternatives tried:

- “classical” FTP client (netkit-ftp)
- lftp
- curl

all those three had no issues: didn’t get stuck, transferred at “nominal” speed.

The “solution”

- Changed FS autoftp script to call curl instead of ncftpput

```
22 $pre_comment="autoftp: transfer to <$dest> of <$file> ";
23
24 inject_snap_comment("initialized: $string");
25
26 #@args = ("ssh", "$mark5_user\@$mark5_node", "ncftpput -v -u$dest_user -p$dest_pass $dest $dest_dir $file");
27 @args = ("ssh", "$mark5_user\@$mark5_node",
28          "/usr/bin/curl --upload-file $file ftp://fringetest.jive.nl/ftpdata/");
29 process_ssh_ncftpput_runcode(system @args);
```

The solution?

- We don’t know, whether the “slow transfer” and “getting stuck” is actually the same issue, it may be specific to Tr-JIVE connection
- Were other station also experiencing “getting stuck”?
- The “slow transfer” issue seem to depend on the connectivity of the stations?

We can:

- Fight and do further testing of the ncftpput in different conditions
- “Properly” modify the autoftp script (exit codes, messages) using curl or lftp or ftp