

Remove old Reports and Data

Goal: Find and remove old reports and test data.

Running tests on LANforge for long periods of time can leave a lot of data behind. The `check_expired_data.bash` script can find old files to delete. This file is similar to `check_large_files.bash` but looks at the age of files. Introduced in LANforge 5.4.5.

1. Download the script

Download the script if it is not in `/home/lanforge/scripts` already. If you need to download the script, use the following commands:

A.

```
$ cd /home/lanforge/scripts
```

B.

```
$ wget https://raw.githubusercontent.com/greearb/lanforge-scripts/master/check_expired_data.bas
```

C.

```
$ chmod +x check_expired_data.bash
```

2. Find the script help

```
$ ./check_expired_data.bash -h
```

```
-d Find data within this directory (required)
-t Find data this many days old or older (required)
-f Delete files (not a default option)
-v Print files

See the files you would delete:
./check_expired_data.bash -d /home/lanforge/report-data -t 11 -v

Actually delete the files:
./check_expired_data.bash -d /home/lanforge/report-data -t 11 -f

You may create a script in /etc/cron.daily like this:
-----
#!/bin/bash
LF='/home/lanforge'
E='/home/lanforge/scripts/check_expired_data.bash'
$E -d $LF/report-data -t 11 -f
$E -d $LF/html-reports -t 11 -f
-----
```

3. Running the script in likely places

Places we would expect large amounts of files to be saved include:

- A. `/home/lanforge/Documents`
- B. `/home/lanforge/lf_data`
- C. `/home/lanforge/report-data`
- D. `/home/lanforge/html-reports`
- E. `/home/lanforge/Downloads`

4. Survey where your data

You can use the `df` command to get an idea where data is accumulating. Example:

```
$ df -s * | sort -n | tail
```

| | |
|--------|-----------------------------|
| 12736 | interop-5.4.5.apk |
| 22164 | btserver |
| 23500 | MonkeyRemote-0.4-shaded.jar |
| 39500 | gua.64 |
| 116536 | local |
| 190444 | LANforgeServer-5.4.4 |
| 210004 | LANforgeServer-5.4.5 |
| 262628 | LANforgeGUI_5.4.4 |
| 267344 | backup-lanforge-gui.tar |
| 269196 | LANforgeGUI_5.4.5 |

5.

Please Avoid...

Please avoid running the script in the `/home/lanforge` directory itself. A command like `./check_expired_data.bash -d /home/lanforge -t 10 -f` would **delete** your LANforge Server, LANforge GUI and your saved scenarios.

Packet Capture Files

If you are saving PCAP files, please save them in `/home/lanforge/Documents` or `/home/lanforge/report-data`. Please do not save them in `/home/lanforge`. The `check_expired_data.bash` script should not be run with `-d /home/lanforge` it is **too destructive**.

Also avoid:

- A. /
- B. /boot
- C. /etc
- D. /home
- E. /lib
- F. /opt
- G. /run
- H. /usr
- I. /root
- J. /var/log
- K. /var/cache
- L. /var/spool
- M. /var/www
- N. /var/run

6.

Creating a cronjob

As the help text indicates, you can copy those lines into a cron job task that can run daily.

- A.

```
$ sudo -s
```
- B.

```
$ cd /etc/cron.daily
```
- C.

```
$ nano expired_data.bash
```

D. Copy in your script data and adjust:

```
#!/bin/bash
LF='/home/lanforge'
E='/home/lanforge/scripts/check_expired_data.bash'
$E -d $LF/report-data -t 11 -f
$E -d $LF/html-reports -t 11 -f
```

```
$ chmod +x expired_data.bash
```

E.

F. Check for errors by running it by hand:

```
$ ./expired_data.bash
```

G.