

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.ba`
- 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 is 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
```

E. `$ chmod +x expired_data.bash`

F. Check for errors by running it by hand:

G. `$./expired_data.bash`

