

Backing Up and Migrating LANforge Data

Goal: Learn what directories under `/home/lanforge` are important to backup and transfer to a new LANforge.

Most of the data that LANforge produces lives in the directory `/home/lanforge`. Not all the files and directories under there are useful to backup or migrate to a new LANforge machine. This guide relates to Linux based LANforge machines. We will assume for this cookbook during a restore situation you have the two LANforge systems connected on the same management network.



1. LANforge data lives in various directories under `/home/lanforge`, and this is a brief explanation of the directories you will want to transfer.

i LANforge scenario data for a realm is saved on the manager (typically resource 1).

i The LANforge client (GUI) can save reports on various machines where it is running. It does not save scenario data.

2. Below are listed the important sub-directories from `/home/lanforge`. Each has a note about how important it is to back up. Directories not listed are unlikely to contain LANforge related data.

i When in doubt backing up the entire `/home/lanforge` directory is OK

- A. `DB/`
YES this is were all your scenarios are saved
- B. `Desktop/`
only if you save things here
- C. `Documents/`
only if you save things here
- D. `Downloads/`
only if you save things here
- E. `html-reports/`
yes if you want the reports
- F. `1f_reports/`
yes if you want the data
- G. `local/`
unlikely unless you customize strongswan

- H. `report-data/`
yes if you want the data
- I. `scripts/`
only if you have modified or custom scripts in here
- J. `trb_entities/`
`trb_profiles/`
Table Report Builder saved settings only necessary if you use TRB frequently
- K. `vr_conf/`
only if you save virtual router settings, nginx configs or want to save dhcp lease files
- L. `wifi/`
only if you have customized `wpa_supplicant.conf` or `hostapd.conf` files

3.

Archiving Data

Starting on your old LANforge machine, use the tar command to archive data. Add directories you want to archive to the end of the command.

```
$ cd /home/lanforge  
$ tar cjf /home/lanforge-bu.tar.bz2 DB html-reports lf_reports report-data
```

i If you run out of space, try using `/home/lanforge/check_large_files.bash` to help clear room.

4.

Copy the Archive

Copy the archive to the new LANforge:

```
$ scp /home/lanforge-bu.tar.bz2 lanforge@your-new-machine-ip:/var/tmp
```

5.

Restore the Data

On the new machine:

```
$ cd /home/lanforge  
$ tar xvf /var/tmp/lanforge-bu.tar.bz2  
$ sudo service lanforge restart
```