

14.1.4 Crashes in SimLab

See [A.4](#) for information on avoiding firefox crashes when it is restarted in SimLab.

14.2 Wireshark

Wireshark will not run as root in Labtainer containers. The wireshark installion in the labtainer.wireshark image is configured to not require root to collect network packets:

When using the wireshark image, after the existing

```
RUN adduser $user_name sudo
```

add:

```
RUN adduser $user_name wireshark
```

14.3 Elgg

The xsite/vuln-site/myelgg.sql file needs to be loaded for elgg to run. First edit it to change xss-labelgg.com to your site name (two changes). Copy the sys_tar/var/www/xsslabelgg.com/elgg to your new lab. Note the elgg/views/default/output files have been modified to permit cross site scripting.

14.4 Host OS dependencies

On rare occations, performance of a lab may depend on the host Linux OS. An example is some kernel tuning parameters viewed and set via sysctl are not visible within containers on eariler versions of Ubuntu. If your lab has such OS dependencies, you can check the OS and warn the student/instructor via a script named "hostSystemCheck.py" placed withe the _bin directory of any of the lab's containers. This script shall return the value '0' if dependencies are met, and '1' if dependencies are not met. In the latter case, the startup.py will prompt the use to continue or abort. Your script should explain the situation to the student. An example of such a script is in the labs/tcpip/server/_bin directory.

14.5 Login Prompts

See the centos-log lab for an example of a lab that prompts users to login to the virtual terminal. In particular, you will need the bin/student_startup.sh script, and the _system/sbin/login program and the _system/etc/login.defs and securetty files.

14.6 Networking Notes

14.6.1 SSH

The labtainer.network baseline Dockerfile includes the following:

```
ADD system/var/run/sshd /var/run/sshd
RUN sudo chmod 0755 /var/run/sshd
```

For containers derived from the kali base, and others non-labtainer bases, use this line in your dockerfile to enable ssh into the box.

```
RUN sed -i 's/UsePAM yes/UsePAM no/' /etc/ssh/sshd_config
```