Exercise 6.1: Using RPM

> **i** **Please Note**
>
> To do these labs you need to have access to a system that is **RPM**-based, such as **RHEL**, **CentOS**, **Fedora**, **SUSE**, or **openSUSE**.

Here we will just do a number of simple operations for querying and verifying **rpm** packages.

This lab will work equally well on **Red Hat** and **SUSE**-based systems.

1. Find out what package the file /etc/logrotate.conf belongs to.

2. List information about the package including all the files it contains.

3. Verify the package installation.

4. Try to remove the package.

✅ Solution 6.1

1. `$ rpm -qf /etc/logrotate.conf`

   `logrotate-3.8.6-4.el7.x86_64`

2. `$ rpm -qil logrotate`

   `...`

   Note a fancier form that combines these two steps would be:

   `$ rpm -qil $(rpm -qf /etc/logrotate.conf)`

3. `$ rpm -V logrotate`

   ```
   ..?......    /etc/cron.daily/logrotate
   S.5....T.  c /etc/logrotate.conf
   ```

> **On RedHat**
>
> 4. On **RHEL 7**:
>    ```
>    $ sudo rpm -e logrotate
>
>    error: Failed dependencies:
>    logrotate is needed by (installed) vsftpd-3.0.2-9.el7.x86_64
>    logrotate >= 3.5.2 is needed by (installed) rsyslog-7.4.7-7.el7_0.x86_64
>    ```

> **On openSUSE**
>
> On **OpenSUSE-Leap 42.1**:
> ```
> $ sudo  rpm -e logrotate
>
> $ sudo rpm -e logrotate
> error: Failed dependencies:
>         logrotate is needed by (installed) wpa_supplicant-2.2-6.2.x86_64
> ```

```
        logrotate is needed by (installed) mcelog-1.20-3.2.x86_64
        logrotate is needed by (installed) iscsiuio-0.7.8.2-40.1.x86_64
        logrotate is needed by (installed) xdm-1.1.11-10.1.x86_64
        logrotate is needed by (installed) libvirt-daemon-1.2.18.4-14.2.x86_64
        logrotate is needed by (installed) apache2-2.4.16-15.1.x86_64
```

Note that the exact package dependency tree depends on both the distribution and choice of installed software.

LFS201: V␣2018-12-25