



Exercise 28.1 Using RPM

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 28.1

```
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
```

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-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) iscsiui-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.