Lab 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 logrotrate
   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 13.1**:

   ```
   $ sudo  rpm -e logrotate
   error: Failed dependencies:
           logrotate is needed by (installed) xdm-1.1.10-24.2.1.x86_64
           logrotate is needed by (installed) syslog-service-2.0-772.1.2.noarch
           logrotate is needed by (installed) wpa_supplicant-2.0-3.4.1.x86_64
           logrotate is needed by (installed) mcelog-1.0pre3.6e4e2a000124-19.4.1.x86_64
           logrotate is needed by (installed) apache2-2.4.6-6.27.1.x86_64
           logrotate is needed by (installed) net-snmp-5.7.2-9.8.1.x86_64
           logrotate is needed by (installed) kdm-4.11.12-119.1.x86_64
   ```

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