

.rpm is the package name and tools to manage the package is yum/dnf and rpm

### **Become root before doing this exercise**

1. List all the installed rpm packages
  - a. rpm -qa | more
  - b. rpmquery -a | more
  - c. rpm -qa | wc -l
  - d. rpmquery -a | wc -l
  - e. rpm -qa --last
2. Check whether acl ,shadow-utils,passwd,firewalld package is installed
  - a. rpm -qa acl
  - b. rpm -qa | grep acl
  - c. rpmquery acl
  - d. rpmquery -a | grep acl
  - e. rpm -q acl
3. Repeat the 2.a –e for shadow-utils,passwd and firewalld
4. Install vsftpd package
  - a. Download the package from internet ([vsftpd-3.0.3-49.el9.x86\\_64.rpm CentOS 9 Stream Download \(pkgs.org\)](https://pkgs.org/download/vsftpd-3.0.3-49.el9.x86_64.rpm))
  - b. Install using rpm -ivh vsftpd.....rpm
5. Download Apache server – httpd package and before installing
  - a. Check for dependencies using – rpm -qRp packagename
  - b. Get info abt the package using – rpm -qip packagename
  - c. Get the config files using – rpm -qcp packagename
  - d. Get the docs using -rpm -qdp packagename
6. Install httpd package
7. List all files of the package using – rpm -ql vsftpd
8. Upgrade an rpm package using – rpm -Uvh packagename

9. Get info about the installed rpm package using `rpm -qi packagename`
10. Query the files that belongs to which rpm package
  - a. `rpm -qf /usr/sbin/useradd`
  - b. `rpm -qf /etc/vsftpd`
  - c. `rpm -qf /usr/bin/passwd`
  - d. `rpm -qf /usr/bin/getfacl`
11. List the doc and config files of the installed packages
  - a. `rpm -qcf /usr/bin/passwd`
  - b. `rpm -qdf /usr/bin/passwd`
  - c. `rpm -qcf` or `-qdf /etc/vsftpd`
12. Remove the package using – `rpm -evv` or `-evh packagename`
13. Remove the package without checking for dependencies
  - a. `rpm -ev --nodeps packagename` (nodeps option should be used very carefully as it will remove the package even if it is a dependency for other packages)
14. Query Format – display columns
  - a. `rpm -qa --queryformat '%{name}---%{release}---%{version}\n' | more`
  - b. `rpm -qa --queryformat '%{name}---%{size}---%{release}\n' | more`
  - c. `rpm -qa passwd --queryformat '%{name}---%{size}---%{release}\n'`
  - d. `rpm -qa acl --queryformat '%{name}---%{size}---%{release}\n'`