Yum

Front-end for rpm designed to resolve package dependencies

1. To install package called zip

```
yum install zip
```

2. To update all available new files for installed packages

```
yum -y update
```

3. To remove package zip

```
yum remove zip
```

4. To search package

```
yum search <packagename> yum

search nfs
```

5. To list available packages yum list

```
yum list 'nfs*'
```

6. To get the information of package

```
yum info packagename
```

7. To search all package installed or available for file nfs

```
yum whatprovides nfs
```

Installing Offline with rpm

Lab on Package management with RPM and Yum

1. To install the package bind-utils

```
rpm -hiv bind-utils*
```

Note: i for install, h for hash, v for verbose

2. To install the package bind-utils from URL ftp://www.xyz.com/rpms

```
rpm -hiv ftp://www.xyz.com/rpms
```

3. To remove the package

```
rpm -e bind-utils.<version>
```

4. To upgrade the package user -U or -F options

-U will upgrade the package if exist else install new package   -F only upgrade the package if exist.

Updating the Kernel RPM

Query the packages

1. To find if the package is installed or not

   ```
   rpm -q portmap
   ```

2. To find the list of packages installed

   ```
   rpm -qa
   ```

3. To know the package to which the package belongs to

   ```
   rpm -qf /sbin/ifconfig
   ```

4. To get general information about the package rpm -qi packagename

   ```
   rpm -qi nfs
   ```

5. To install packets along with it's dependent packages rpm -hiv packagename—aid

   ```
   rpm -hiv nfs—aid
   ```

RPM Versification

```
rpm -Vp packagefile.i386.rpm rpm

-Va
```

Signature verification before package is installed

```
rpm –import RPM-GPG-KEY rpm

-k packagefiles.i386.rpm
```

Verification example

```
rpm  -V zip rpm -Va rpm -Vp

zip-2.3-8.i386.rpm
```