

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
```

Note: -y is for yes to all

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

Steps: Install the new kernel (don't use -U or -F option). If the new kernel is installed the system should be rebooted properly with new kernel, else remove the new kernel as it is not working for your system.

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 its dependent packages

```
rpm -hiv packagename-aid
```

```
rpm -hiv nfs-aid
```

Note: To install or remove package forcefully use --force option

RPM Verification

```
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
```