

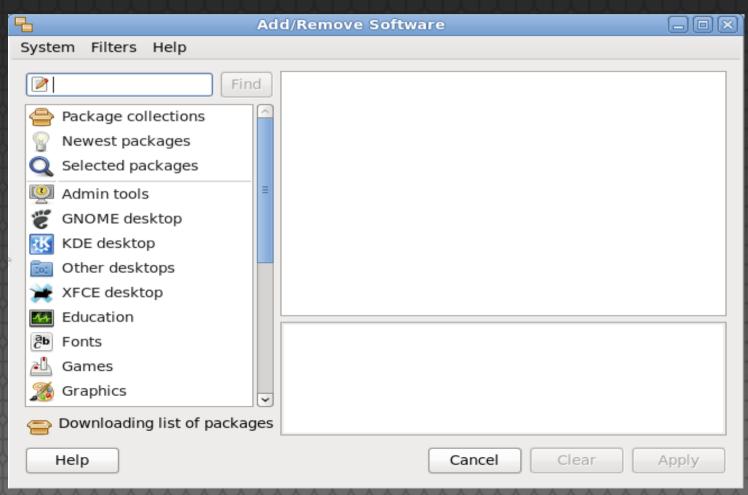
Package Management yum and rpm

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PackageKit

PackageKit, the default package manager front-end on Fedora





PackageKit

Front-ends:

There are three front-ends for PackageKit:

- gnome-packagekit to be used in the GNOME desktop.
- kpackagekit to be used in the KDE desktop.
- pkcon to be used on the command line.



PackageKit

Back-ends

There are number of back-ends for PackageKit. Few of them are:

- YUM
- Opkg
- Simple Package Manager
- Advanced Packaging Tool



Yellowdog Updater Modified



Yellowdog Updater Modified (YUM) is an opensource command-line package-management utility for RPM-compatible Linux operating systems

Yum is System administration commands (usually only for root)

RPM Package Manager



RPM stand for Redhat Package Manager.

Features of RPM include:

- RPM packages can be cryptographically verified with GPG and MD5
- Original source archive(s) (e.g. .tar.gz, .tar.bz2) are included in SRPMs, making verification easier
- PatchRPMs, the RPM equivalent of a patch file, can incrementally update RPM-installed software
- Automatic build-time dependency evaluation.



- Install packages:
- # rpm -ivh <package_name>

The above command has inability to resolve dependencies.

yum install <package_name>

The **yum** application can call upon several repositories for dependency resolution.



- Install packages: (continue)
- # yum localinstall <rpmfile>
- This command will install the local rpm file and also search for dependencies to pull in.
- # yum groupinstall <groupname>
- Eg: yum groupinstall "GNOME Desktop Environment"



- Update packages
- # yum update

(for all packages)

- # yum update <package>
- #rpm -F <rpmfile>

If old version currently not install, it will skip

#rpm -U <rpmfile>

If old version currently not install, it will install the rpmfile



- Delete packages
- # yum remove <package>
- # rpm -ev <packagename>
- # yum groupremove < groupname >



Listing packages
yum list [all] [package_glob]
yum list (installed | available | updates ... [package_glob])
yum grouplist
rpm -qa (only installed packages)

- Package information
- # yum info <package>
- # rpm -qi <package>
- # yum groupinfo <packagegroup>
- Searching packages and files
- # yum search <searchterm>
- # rpm -qf <filesname>
- # yum provides <filesname>



Questions?

