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# **Yum Extender Documentation**

***Release 4.0.3***

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<b>1</b>	<b>Yum Extender (yumex-dnf) Documentation</b>	<b>3</b>
1.1	Introduction . . . . .	3
1.2	Usage . . . . .	4
1.3	Views . . . . .	4
<b>2</b>	<b>Yum Extender FAQ</b>	<b>11</b>
2.1	Generel . . . . .	11
2.2	Configuration . . . . .	11
2.3	Troubleshooting . . . . .	12



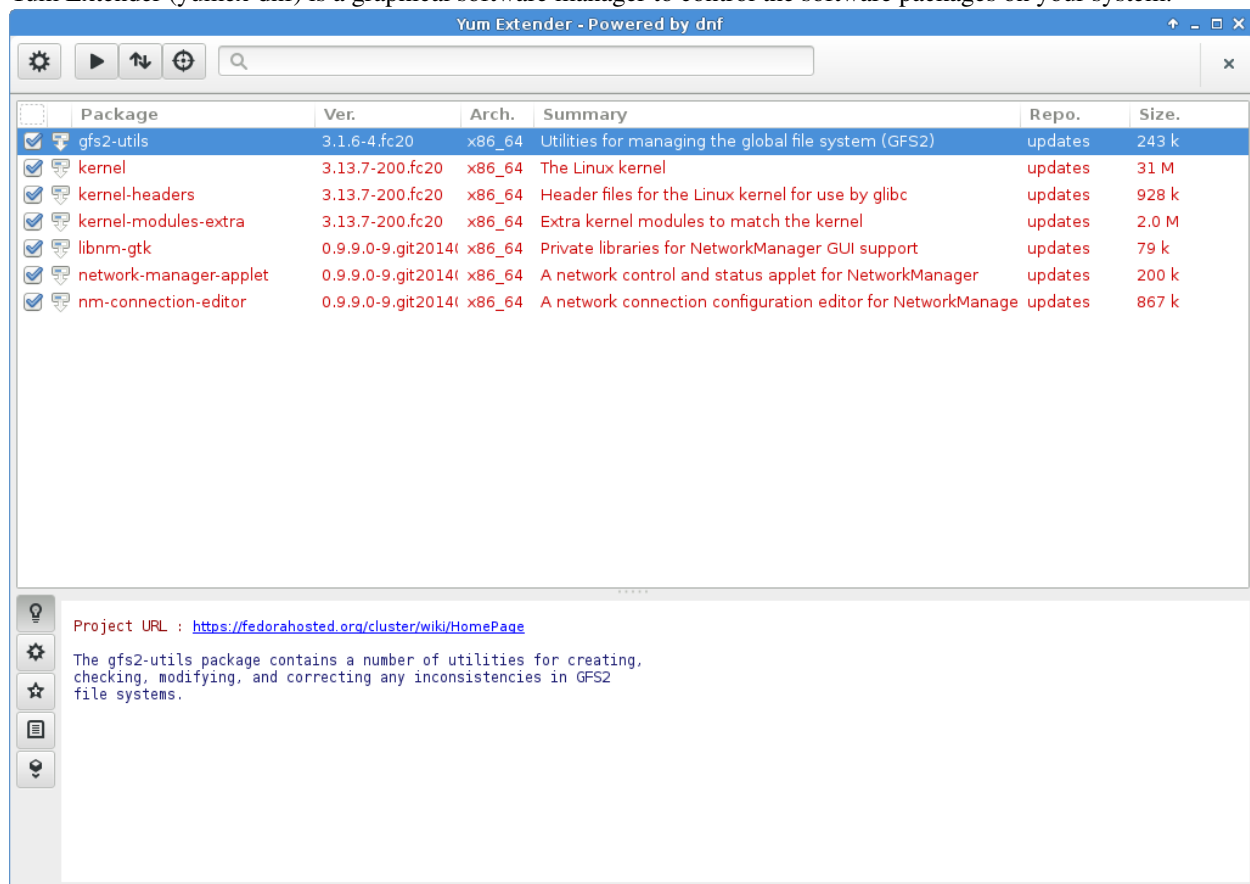
Contents:



# Yum Extender (yumex-dnf) Documentation

## 1.1 Introduction

Yum Extender (yumex-dnf) is a graphical software manager to control the software packages on your system.

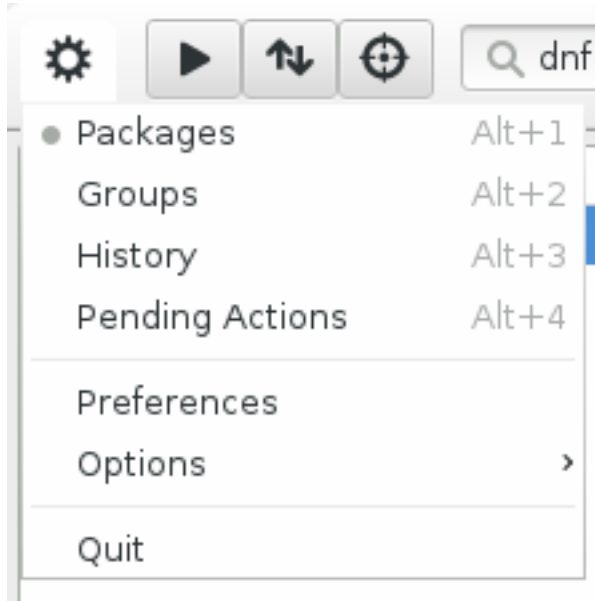


### 1.1.1 Links

- [Homepage](#)
- [Development](#)
- [Translation](#)

## 1.2 Usage

### 1.2.1 Main menu



The main menu used to select the different views available in Yum Extender. and other actions like preferences and options.

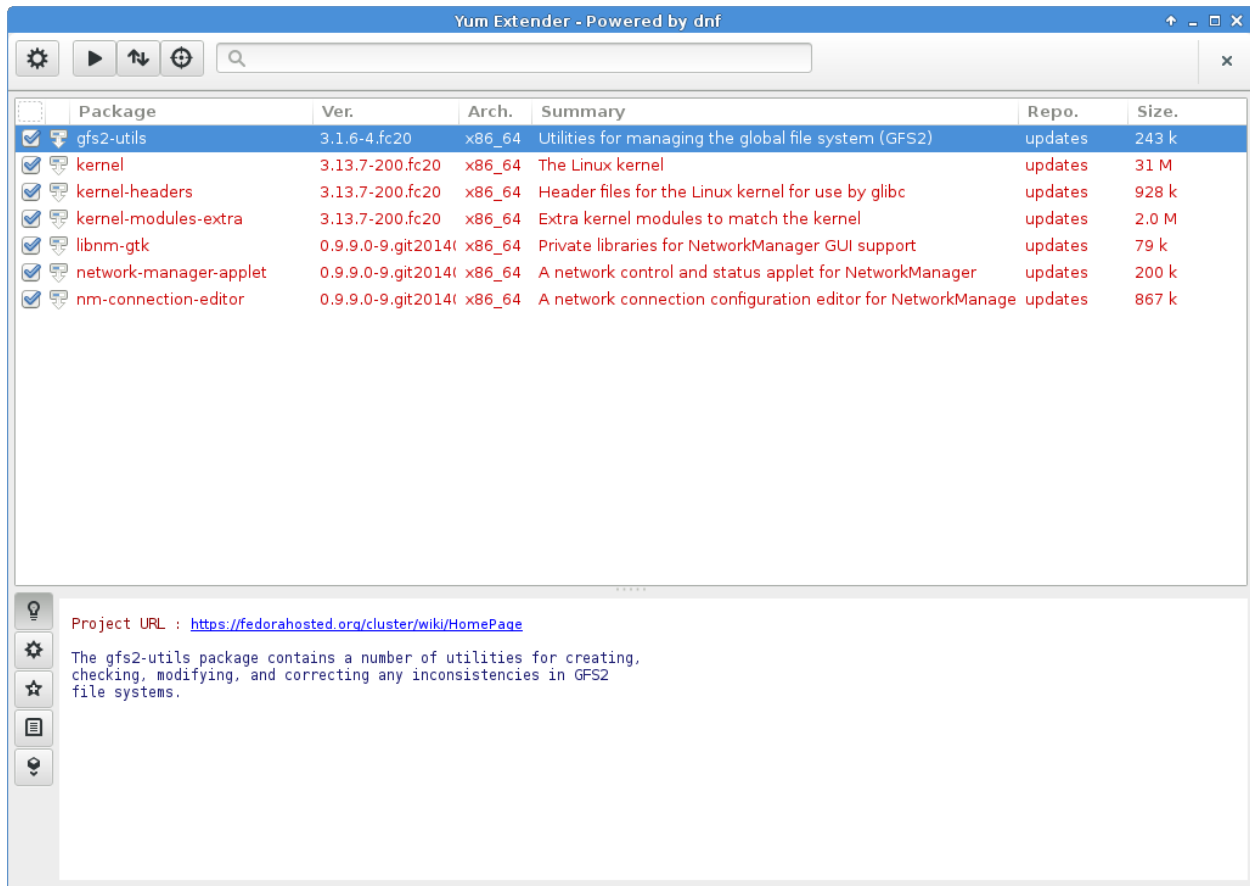
## 1.3 Views

Yum Extender contains 4 different views to show different things like packages, groups, history & pending package actions.

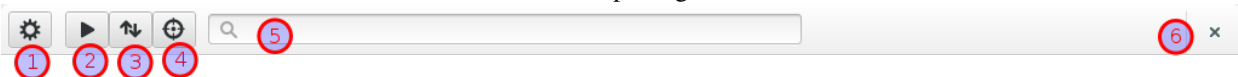
### 1.3.1 Packages View

This view is used for normal package operations like browser or search for packages and add packages to the pending action queue to be installed, upgraded or removed.





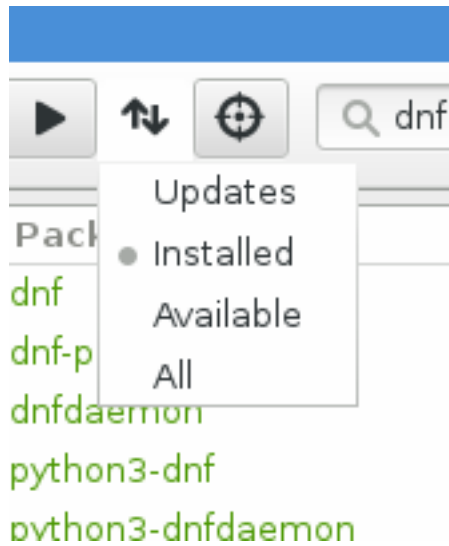
This is a overview of the Yum Extender header bar in the package views



1. The main menu
2. Apply pending actions
3. Filter menu
4. Search option menu
5. Search entry
6. Quit Yum Extender

## Filter menu

The filter menu is used to limit the packages show to a special kind of status, this can



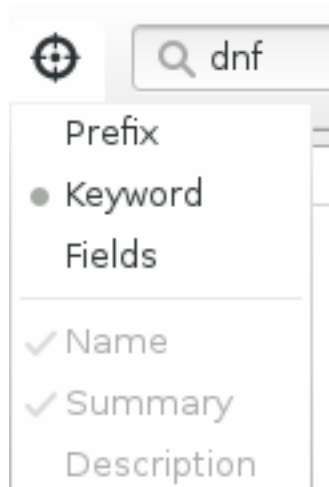
1. **updates** will show available updates for installed packages
2. **installed** will show packages installed on the local system
3. **available** will show packages available in the active repositories, there is not installed on the local system
4. **all** will show all of the above packages.

These filters apply both to the current search result or all packages if no search is performed.

**available** and **all** will take very long time, if used not limited by a search.

### Search Option Menu

The search option menu is used to specify what type of search is performed when something is entered in the search entry.

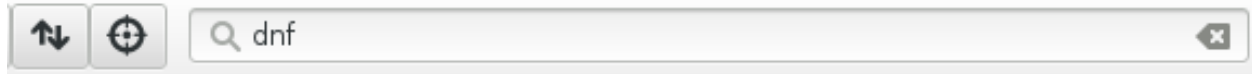


There are 3 kinds of available search types:

1. **prefix** is searching for package names that start with the keyword in the search entry.
2. **keyword** is searching for package names that contain the keyword from the search entry.

3. **fields** is searching for packages where packages attributes like name, summary or description is containing the keywords from the search entry

### Searching



Searching is performed by entering a keyword in the search entry and pressing **Enter**

If a new search is performed then all search results will be shown, but can be filtered for package states, using the filter

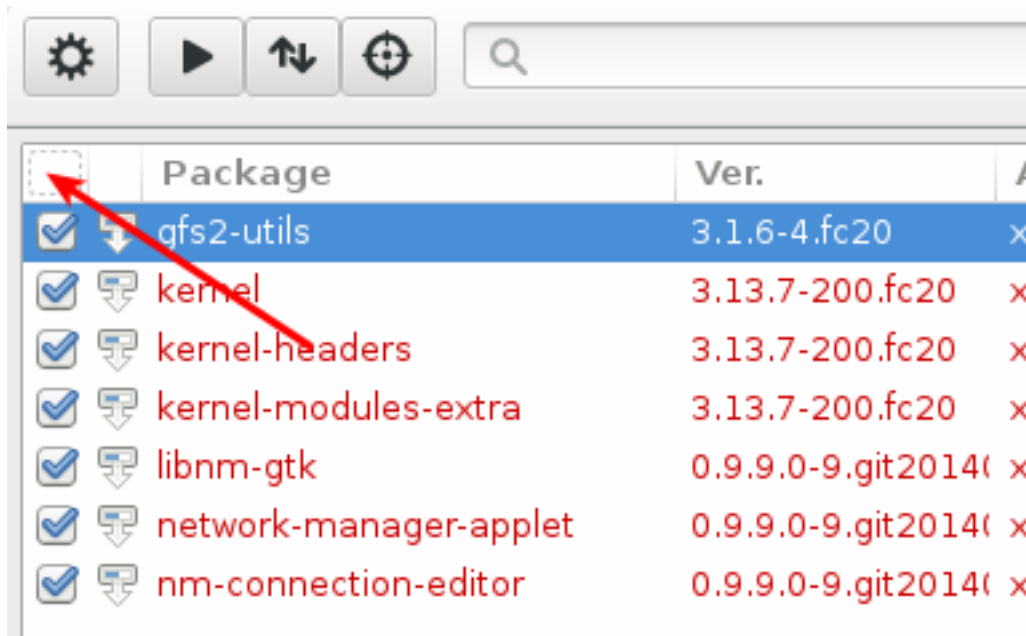


### Package selection

To perform action on packages in the view, you have to click on the checkbox in the selection column then checked, the package is add to the pending action queue, then action performed on the package depends on the current installation state of the selected package.

- An installed package will be queued for removal
- An available package will be queued for installation.
- An available update will be queued for update.

The selection column header (+) can be uses to perform actions on all shown packages in the view.



clicking on the column header will switch between there states

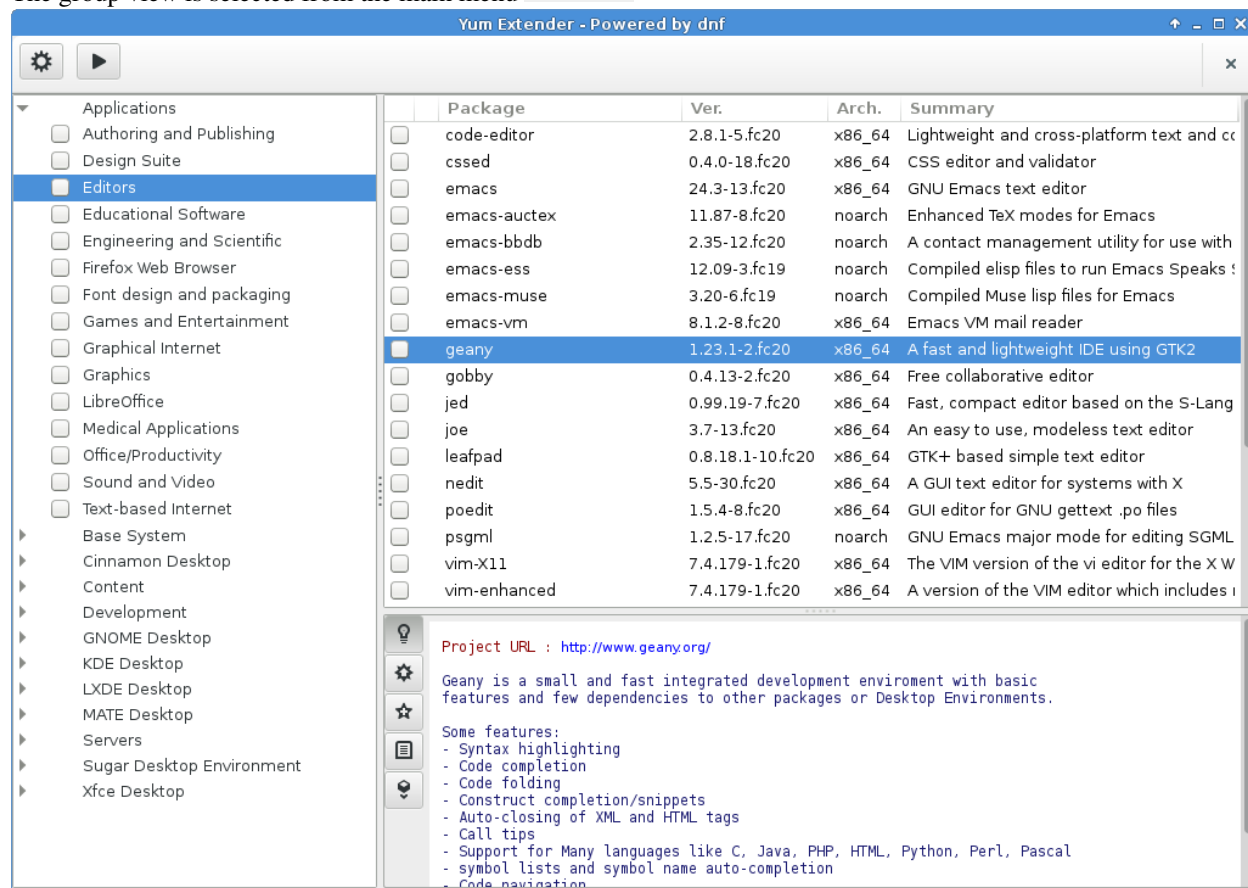
- Select all shown packages
- Unselect all shown packages
- Redo single selections by user

### 1.3.2 Groups View

The group view shows packages ordered by categories and groups, the selection of packages is the same as for the package view.



The group view is selected from the main menu



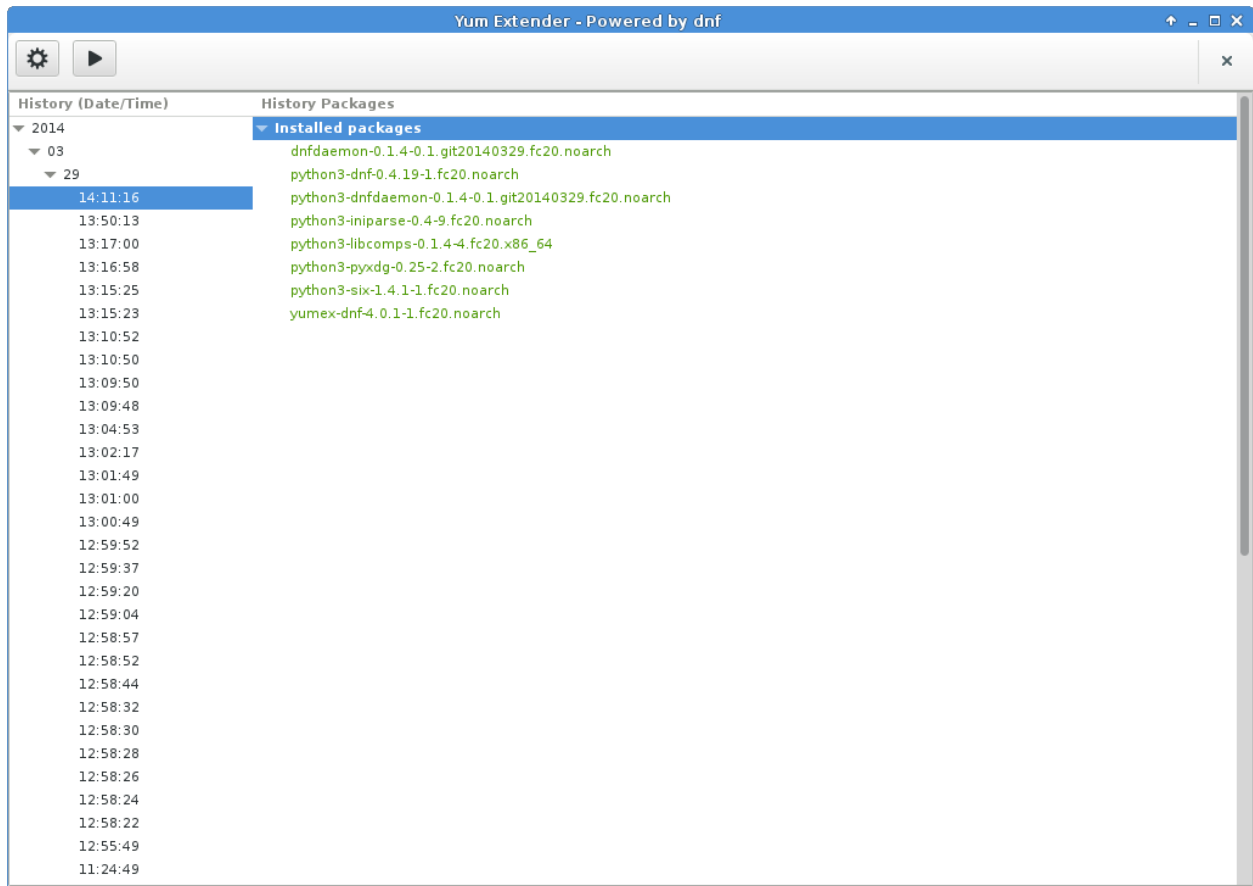
It is possible to install/remove groups also by selecting the checkbox in the group/category tree.

### 1.3.3 History View

The history shows the history of transaction performed by dnf on the system.



The history view is selected from the main menu



**Warning:** If you are using both yum & dnf on the system, they will both have their own history, not including the transactions by the other tool.

### 1.3.4 Pending Actions View

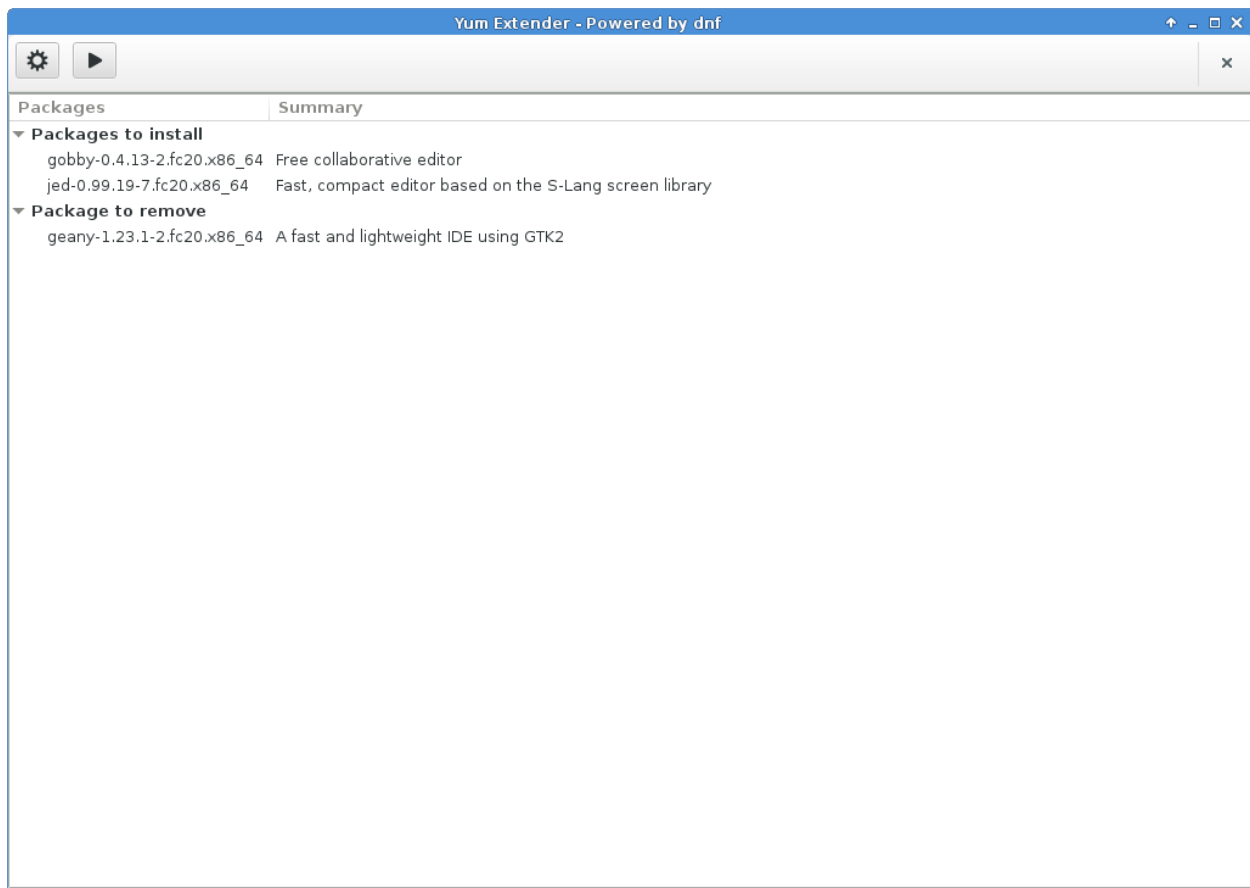
The pending action queue shows the pending actions for the packages selected by the user.

The pending action view is selected from the main menu



Pending actions are executed by pressing the apply button





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## Yum Extender FAQ

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### 2.1 General

#### 2.1.1 What does the package colors mean

- **red** is an available update
- **green** is an installed package
- **blue** is an obsoleting package (a package replacing one/more packages)
- **black** is an available package in a repository.

This is the default colors, they can be configured in the preferences.

#### 2.1.2 How to select all updates

Click on the **+** in the header column to select/deselect all updates

### 2.2 Configuration

#### 2.2.1 How do it setup yumex, to not ask for password on start

run the follow as root, to create a PolicyKit rule to run DnfSystem dbus commands without asking for password

```
cat <<- EOF > /usr/share/polkit-1/rules.d/dnfdaemon-user.rules
polkit.addRule(function(action, subject) {
    if (action.id == "org.baseurl.DnfSystem" &&
        subject.active == true && subject.local == true &&
        subject.user == "USERNAME") {
        polkit.log(subject.user+" got access to run org.baseurl.DnfSystem");
        return polkit.Result.YES;
    }
});
EOF
```

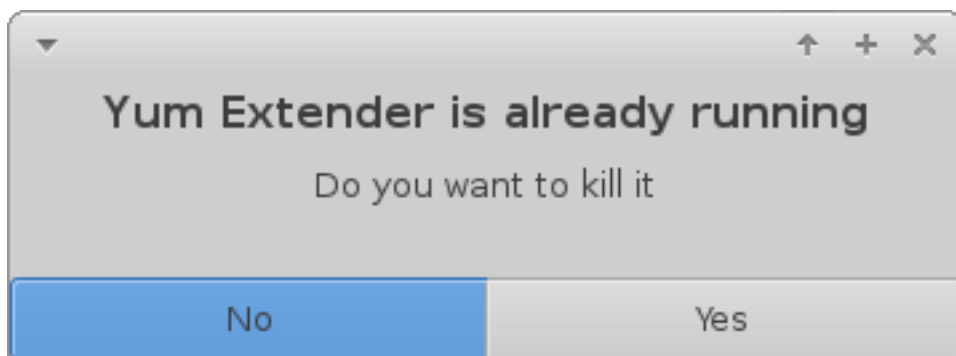
Replace **USERNAME** with your login username

**Warning:** This will also make other applications using the DnfSystem daemon run without asking for password when running as **USERNAME**

## 2.3 Troubleshooting

### 2.3.1 Yum Extender is already running

Yum Extender crashed and when you start it again, you get a dialog with the **Yum Extender is already running** message



If you press **No** then the already running Yum Extender window will be shown. If you press **Yes** then the already running Yum Extender window will be closed, if possible.

Yum Extender uses 2 background dbus services, a notification icon service (look for a shield icon in your notification area) and DnfSystem services that are doing all the dnf related actions. If the gui is crashing, it might not be able to do a clean shutdown of these services. To clean up, open a terminal window and write the following command.

```
yumex-dnf --exit
```

It will try to shutdown these services and you should be able to start Yum Extender again.

### 2.3.2 Debug issues in Yum Extender

If you want to debug a problem in Yum Extender, do the following.

1. Open a terminal window
2. run : `sudo /usr/share/dnfdaemon/dnfdaemon-system -v -d --notimeout`
3. Open another terminal window
4. run : `yumex-dnf -d`

Now you will be able to see Tracebacks and debug information in the 2 windows

You can open an issue [here](#) for any problem found