# **Yum Extender Documentation**

Release 4.0.3

**Tim Lauridsen** 

April 16, 2015

			3
	1.1	Introduction	3
	1.2	Usage	4
	1.3	Views	4
2	Yum	Extender FAQ	11
		Extender FAQ Generel	
	2.1		11

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.

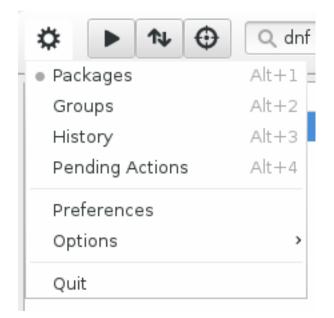
	101	III EXCE	nder - Powered by dnf			
✿ ► ☜ ⊕ <						>
Package		Arch.	Summary	Repo.	Size.	
🖉 🚏 gfs2-utils		86_64	Utilities for managing the global file system (GFS2)	updates	243 k	
🛿 💎 kernel		_	The Linux kernel	updates	31 M	
🕈 💎 kernel-headers		_	Header files for the Linux kernel for use by glibc	updates	928 k	
🕈 💎 kernel-modules-extra	3.13.7-200.fc20 x8	86_64	Extra kernel modules to match the kernel	updates	2.0 M	
] 💎 libnm-gtk	0.9.9.0-9.git2014( ×8	86_64	Private libraries for NetworkManager GUI support	updates	79 k	
🕈 💎 network-manager-applet	0.9.9.0-9.git2014( x8	86_64	A network control and status applet for NetworkManager	updates	200 k	
] 💎 nm-connection-editor	0.9.9.0-9.git2014( x8	86_64	A network connection configuration editor for NetworkManage	updates	867 k	
Project URL : <u>https://fedoraho</u> The gfs2-utils package cont checking, modifying, and co file systems.			for creating, s in GFS2			
The gfs2-utils package cont checking, modifying, and co file systems.			for creating, s in GFS2			
<ul> <li>The gfs2-utils package cont checking, modifying, and co file systems.</li> </ul>			for creating, s in GFS2			
The gfs2-utils package cont checking, modifying, and co file systems.			for creating, s in GFS2			
<pre>Froject ORL : https://redorano The gfs2-utils package cont checking, modifying, and co file systems.</pre>			for creating, s in GFS2			
Froject of : <u>https://redorationality.project of integrationality.project of integratintegrationality.project of integratintegrationality.p</u>			for creating, s in GFS2			

#### 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

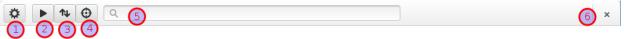
Yum Extender contains 4 different views to show different things like packages, groups, history & pending package actions.

### 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.

	Y	/um Exte	nder - Powered by dnf		<ul> <li>•</li> </ul>	- 0
♥ ▶ № ⊕ <						3
Package	Ver.	Arch.	Summary	Repo.	Size.	
🖉 🚏 gfs2-utils	3.1.6-4.fc20		Utilities for managing the global file system (GFS2)	updates	243 k	
🕽 💎 kernel	3.13.7-200.fc20	×86_64	The Linux kernel	updates	31 M	
🛚 💎 kernel-headers	3.13.7-200.fc20	×86_64	Header files for the Linux kernel for use by glibc	updates	928 k	
] 💎 kernel-modules-extra	3.13.7-200.fc20	×86_64	Extra kernel modules to match the kernel	updates	2.0 M	
] 💎 libnm-gtk	0.9.9.0-9.git2014(	×86_64	Private libraries for NetworkManager GUI support	updates	79 k	
] 💎 network-manager-applet	0.9.9.0-9.git2014(	×86_64	A network control and status applet for NetworkManager	updates	200 k	
🖁 💎 nm-connection-editor	0.9.9.0-9.git2014(	×86_64	A network connection configuration editor for NetworkManage	updates	867 k	
2						
Project URL : <u>https://redoran</u>	osted.org/cluster/wiki/H	omePage				
The ofs2-utils package con	tains a number of ut	tilities	for creating,			
x	tains a number of ut	tilities	for creating, es in GFS2			
The gfs2-utils package con checking, modifying, and co file systems.	tains a number of ut	tilities	for creating, es in GFS2			
The gfs2-utils package con checking, modifying, and co file systems.	tains a number of ut	tilities	for creating, as in GFS2			
The gfs2-utils package con checking, modifying, and co file systems.	tains a number of ut	tilities	for creating, es in GFS2			
<ul> <li>Froject URL : https://redoran</li> <li>The gfs2-utils package con: checking, modifying, and co file systems.</li> </ul>	tains a number of ut	tilities	for creating, as in GFS2			
<ul> <li>Froject URL : https://redoran</li> <li>The gfs2-utils package concelecting, modifying, and concelecting, modifying, and concelecting, systems.</li> </ul>	tains a number of ut	tilities	for creating, as in GFS2			
<pre>Project URL : https://edoran The gfs2-utils package con checking, modifying, and co file systems.</pre>	tains a number of ut	tilities	for creating, es in GFS2			

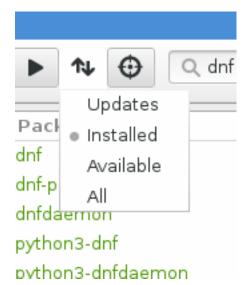
This is a overview of the Yum Extender header bar in the package views



- 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



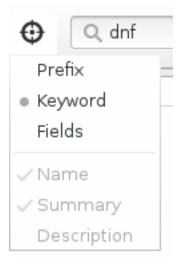
- 1. updates will show available updates for installed packages
- 2. installed will show packages installed on the local system
- 3. available will show packages available in the active repositories, there is not installed on the local system
- 4. **all** will show all of the above packages.

There filters applies both to the current search result or all packages if no seach is performed.

available and all will can 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 is 3 kind of available search types:

- 1. prefix is searching for package names there is starting with the keyword in the search entry.
- 2. keyword is searching for package names there contains 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

1↓	Φ	Q dnf	Ð
	-		

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.

\$	▶ 1↓ ⊕ <		
	Package	Ver.	1
S 🔊	qfs2-utils	3.1.6-4.fc20	×
97	kernel	3.13.7-200.fc20	×
27	kernel-headers	3.13.7-200.fc20	×
27	kernel-modules-extra	3.13.7-200.fc20	×
27	libnm-gtk	0.9.9.0-9.git2014(	×
27	network-manager-applet	0.9.9.0-9.git2014(	×
97	nm-connection-editor	0.9.9.0-9.git2014(	×

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 g	roup view is selected from t	he ma	in menu						
	Yum Extender - Powered by dnf 🛛 🔶 🗖 🗙								
⇔						×			
	Applications Authoring and Publishing Design Suite Editors Educational Software Engineering and Scientific Firefox Web Browser Font design and packaging Games and Entertainment Graphical Internet Graphical Internet Graphics LibreOffice Medical Applications Office/Productivity Sound and Video Text-based Internet Base System Cinnamon Desktop Content Development GNOME Desktop KDE Desktop LXDE Desktop Servers Sugar Desktop Environment Xfce Desktop		Package         code-editor         cssed         emacs         emacs-auctex         emacs-bbdb         emacs-rmuse         emacs-rmuse         emacs-wm         geany         gobby         jed         joe         leafpad         nedit         poedit         psgml         vim-Xll         vim-enhanced	ntegrated developm es to other packag pets FML tags s like C, Java, PH	noarch noarch x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x8	CSS editor and validator GNU Emacs text editor Enhanced TeX modes for Emacs A contact management utility for use with Compiled elisp files to run Emacs Speaks ! Compiled Muse lisp files for Emacs Emacs VM mail reader A fast and lightweight IDE using GTK2 Free collaborative editor Fast, compact editor based on the S-Lang An easy to use, modeless text editor GTK+ based simple text editor A GUI text editor for systems with X GUI editor for GNU gettext .po files GNU Emacs major mode for editing SGML The VIM version of the vi editor for the X W A version of the VIM editor which includes I			

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

	Yum Extender - Powered by dnf	↑ _ □
*		×
listory (Date/Time)	History Packages	
2014	▼ Installed packages	
▼ 03	dnfdaemon-0.1.4-0.1.git20140329.fc20.noarch	
₹ 29	python3-dnf-0.4.19-1.fc20.noarch	
14:11:16	python3-dnfdaemon-0.1.4-0.1.git20140329.fc20.noarch	
13:50:13	python3-iniparse-0.4-9.fc20.noarch	
13:17:00	python3-libcomps-0.1.4-4.fc20.x86_64	
13:16:58	python3-pyxdg-0.25-2.fc20.noarch	
13:15:25	python3-six-1.4.1-1.fc20.noarch	
13:15:23	vumex-dnf-4.0.1-1.fc20.noarch	
13:10:52	•	
13:10:50		
13:09:50		
13:09:48		
13:04:53		
13:02:17		
13:01:49		
13:01:00		
13:00:49		
12:59:52		
12:59:37		
12:59:20		
12:59:04		
12:58:57		
12:58:52		
12:58:44		
12:58:32		
12:58:30		
12:58:28		
12:58:26		
12:58:24		
12:58:22		
12:55:49		
11:24:49		

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

## **1.3.4 Pending Actions View**

The pending action queue show the pending actions for the packages selected by the user

The pending action view is selected from the main menu

Pending actions is exeucted by pressing the apply button



	Yum Extender - Powered by dnf	+ _ D >
		×
Packages	Summary	
▼ Packages to install		
gobby-0.4.13-2.fc20.x86_64	Free collaborative editor	
jed-0.99.19-7.fc20.x86_64	Fast, compact editor based on the S-Lang screen library	
Package to remove		
geany-1.23.1-2.fc20.x86_64	A fast and lightweight IDE using GTK2	

## Yum Extender FAQ

## 2.1 Generel

#### 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 closed, if possible.

Yum Extender uses 2 background dbus services, a notification icon service (look for a shield icon in you notification area) and DnfSystem services that is 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 windows 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 windows
- 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