

NAME

Ultimate-Update – An interactive update notifier & applier for Ultimate Linux that assists you with important pre / post update tasks.

SYNOPSIS

ultimate-update [OPTION]

DESCRIPTION

An interactive update notifier & applier for Ultimate Linux that assists you with important pre / post update tasks. Includes a systray applet for an easy integration with any desktop / graphical environment.

Ultimate-Update is designed to follow usual system maintenance steps, as described in the Ultimate Wiki at https://wiki.ultimatelinux.org/title/System_maintenance.

Features:

- Automatic check and listing of available updates.
- Check for recent Ultimate Linux news (and offers to display them if there are).
- Check for orphan packages (and offers to remove them if there are).
- Check for old & uninstalled packages in cache (and offers to remove them if there are).
- Check for pacnew & pacsave files (and offers to process them if there are).
- Check for pending kernel update requiring a reboot (and offers to do so if there's one).
- Check for services requiring a post upgrade restart (and offers to do so if there are).
- Support for 'sudo', 'sudo-rs', 'doas' & 'run0'.
- Extensive CLI.

Optional support for:

- AUR packages (via 'paru', 'yay' or 'pikaur').
- Flatpak packages (via 'flatpak').
- Desktop notifications (via 'libnotify').
- Check for ALHP build queue or outdated mirrors (via 'alhp-utils').

OPTIONS

If no option is passed, launch the relevant series of functions to perform a complete and proper system update (can also be triggered by clicking the systray applet).

-c, --check

Check for available updates. If there are, send a desktop notification and update the systray icon accordingly. To enable automated and periodic checks, run '**--check --enable**'.

-l, --list

Display the list of pending updates.

-d, --devel

Include AUR development packages updates.

-n, --news

Display latest Ultimate news. You can optionally specify how much Ultimate news to display as an argument, like so: '**ultimate-update --news 10**'. Defaults to 5.

-s, --services

Check for services requiring a post upgrade restart.

-D, --debug

Display debug traces.

--gen-config

Generate a default / example '**ultimate-update.conf**' configuration file (see the **ultimate-update.conf(5)** man page for more details). You can optionally pass the '**--force**' argument to overwrite any existing '**ultimate-update.conf**' configuration file.

--show-config

Display the content of the 'ultimate-update.conf' configuration file (if it exists).

--edit-config

Edit the 'ultimate-update.conf' configuration file (if it exists).

--tray

Start the Ultimate-Update systray applet. To additionally start it automatically at boot, run '**--tray --enable**'.

-V, --version

Display version information.

-h, --help

Display the help message.

Certain options can be enabled, disabled or modified via the 'ultimate-update.conf' configuration file, see the **ultimate-update.conf(5)** man page for more details.

USAGE

For desktop machines, the usage consist of starting the systray applet and enabling the automated update checks. For headless machines, Ultimate-Update includes an extensive CLI.

The systray applet

To start the systray applet and enable it automatically at boot, run the following command (preferred method for most environments, uses XDG Autostart):

```
ultimate-update --tray --enable
```

In case your graphical environment doesn't support XDG Autostart, add the following command your environment auto-start method instead:

Note that the small startup delay in the form of the 'sleep 3' command may not always be required but acts as a useful trick to avoid eventual [race condition](https://en.wikipedia.org/wiki/Race_condition) issues which may lead to the systray applet unexpectedly not starting at boot. I therefore recommend its usage as a safety measure (this small delay is already applied by default with the XDG Autostart / 'ultimate-update --tray --enable' method).

```
sleep 3 && ultimate-update --tray
```

The systray icon dynamically changes to indicate the current state of your system ("up to date" or "updates available"). When clicked, it launches 'ultimate-update' in a terminal window via the 'ultimate-update.desktop' file.

The systray applet menu shows further information (like the list of pending updates, time of the last and next checks, ...) and allows to trigger specific actions (like running Ultimate-Update, check for updates, ...).

Notes:

- If clicking the systray applet does nothing, please read the "**Run Ultimate-Update in a specific terminal emulator**" chapter in the "**TIPS & TRICKS AND TROUBLESHOOTING**" section below.
- GNOME shell does not support systray icons natively, GNOME users need to install the "AppIndicator and KStatusNotifierItem Support" extension for the systray applet to work.

Automated update checks

To enable automated and periodic checks for available updates, run the following command:

```
ultimate-update --check --enable
```

By default, a check is performed **at boot and then once every 6 hours**. The check cycle can be customized, see the "**Modify the check cycle**" chapter in the "**TIPS & TRICKS AND TROUBLESHOOTING**" section below.

TIPS & TRICKS AND TROUBLESHOOTING

Modify the check cycle

If you enabled the automated update checks, a check for available updates is automatically launched at boot and then once each 6 hours.

If you want to customize the check cycle, run `'systemctl --user edit --full ultimate-update.timer'` and modify the `'OnUnitActiveSec'` value to your liking.

For instance, if you want `'Ultimate-Update'` to check for new updates every 4 hours instead:

```
[...]
[Timer]
OnStartupSec=15
OnUnitActiveSec=4h
[...]
```

Time units are `'s'` for seconds, `'m'` for minutes, `'h'` for hours, `'d'` for days...

See <https://www.freedesktop.org/software/systemd/man/latest/systemd.time.html#Parsing%20Time%20Spans> for more details.

In case you want `'Ultimate-Update'` to check for new updates only once at boot, you can simply delete the `'OnUnitActiveSec'` line completely.

Run Ultimate-Update in a specific terminal emulator

"gio" (used to launch the `'ultimate-update'` terminal application via the `'ultimate-update.desktop'` file when the systray applet is clicked) currently has a default limited list of known terminal emulators. As such, if you don't have any of these "known" terminal emulators installed on your system, you might face an issue where clicking the systray applet does nothing (as `'gio'` couldn't find a terminal emulator from the said list). Incidentally, you might have multiple terminal emulators installed on your system and you may want to force Ultimate-Update to use a specific one. In both cases, you can specify which terminal emulator to use.

To do so, install the `'xdg-terminal-exec'` package (<https://ultimatelinux.org/packages/?name=xdg-terminal-exec>), create the `'~/.config/xdg-terminals.list'` file and add the name of the `'desktop'` file of your terminal emulator of choice in it (e.g. `'Alacritty.desktop'`).

See <https://github.com/Vladimir-csp/xdg-terminal-exec?tab=readme-ov-file#configuration> for more details.

EXIT STATUS

0 OK.

1 Invalid option.

2 No privilege elevation command (`'sudo'`, `'sudo-rs'`, `'doas'` or `'run0'`) is installed or the one set in the `'ultimate-update.conf'` configuration file isn't found.

3 Error when launching the Ultimate-Update systray applet.

4 User didn't give the confirmation to proceed with updates.

5 Error when updating packages.

6 Error when calling the reboot command to apply a pending kernel update.

7 No pending update when using the `'-l / --list'` option.

8 Error when generating a configuration file with the `'--gen-config'` option.

9 Error when reading the configuration file with the `'--show-config'` option.

10 Error when creating the autostart desktop file for the systray applet with the `'--tray --enable'` option.

11 Error when restarting services that require a post upgrade restart.

12 Error during the pacnew files processing.

13 Error when editing the configuration file with the `'--edit-config'` option.

14 Libraries directory not found.

15 The "diff prog" editor set in the 'ultimate-update.conf' configuration file isn't found.

16 Error when creating the 'statedir' and / or the 'tmpdir' directories.

17 User didn't give the confirmation to proceed after being warned that another instance of Ultimate-Update is already running.

18 Error when running Ultimate-Update from the desktop notification action.

SEE ALSO

checkupdates(8), pacman(8), pacdiff(8), paccache(8), paru(8), yay(8), pikaaur(1), flatpak(1), ultimate-update.conf(5)

BUGS

Please report bugs to the GitHub page: <https://github.com/TheeMahn/ultimate-update/issues>

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