oslo-wall 2.0.14 now works on KDE Plasma

Re-test on CachyOS (KDE Plasma 6.7.5, Wayland) in a VM with 4 vCPU / 6 GB, 12 October 2026. Follows the first CachyOS report (oslo-wall 2.0.13).

> **Verdict:** fixed. Installed from the published one-liner on a clean snapshot, oslo-wall picks KDE by itself. It shows as the real desktop background, follows the editor live, survives a reboot and an update, and does not break the desktop. It pauses when nobody can see it. Uninstall leaves an empty diff against the pre-install manifest. Two small limits are listed below.

What was wrong in 2.0.13, and what changed

- **Hidden behind the desktop.** 2.0.13 only had the sway/wlroots layer-shell window, and on Plasma that sits under plasmashell's own desktop. 2.0.14 adds a **Plasma 6 wallpaper plugin** (`org.oslowall.wallpaper`, a KPackage of type Plasma/Wallpaper). It runs the same web scene in a QtWebEngine view, inside Plasma's own desktop. The installer installs it with `kpackagetool6` and switches every desktop to it through Plasma's desktop scripting (`evaluateScript` over D-Bus). It also remembers the previous wallpaper type.
- **Installed sway on KDE.** Now it installs only the packages for the detected desktop. On CachyOS KDE that was `webkit2gtk-4.1` (for the editor) and `inter-font`, because QtWebEngine was already there. It **asks first** ([y/N]); `--yes` answers for you, and with no terminal and no `--yes` it installs nothing.
- **65 % CPU while hidden.** The scene now **pauses** while the screen is locked, while a fullscreen or maximised window covers the screen, or while it isn't visible. On Plasma the page is frozen, so no JavaScript runs. While you are idle it drops to **5 fps**. The sway host does the same through sway's tree (fullscreen) and logind/swaylock (lock, idle).
- **Uninstall left caches and sway files.** `oslowall uninstall` is new. It removes everything the installer recorded as its own: the app, the commands, config and sign-in, caches, the editor's data, the service or autostart entry, the Plasma plugin, the PATH lines, the folders it created and the `~/.pki` store QtWebEngine made. It prints the list, puts your previous wallpaper back, and offers to remove the packages it installed itself.

How the installer (and zy) picks the right setup

zy runs the same published `install.sh` (`curl … | bash`) with no flags. The installer decides on its own:

Detected	How	Setup
KDE Plasma 6	`XDG_CURRENT_DESKTOP` / `DESKTOP_SESSION` contains KDE/Plasma, or plasmashell is running	Plasma wallpaper plugin. No service, no sway, and Plasma restores it at login.
sway / wlroots	anything else (sway, Hyprland, river, Wayfire …)	Layer-shell host, a systemd --user service or XDG autostart, plus a sway config block when sway is used
GNOME / X11	falls into the second row	**Not supported yet.** GNOME has no layer-shell, so the host exits with a clear message instead of hiding.

`--desktop kde|sway` overrides the choice. Updates (`oslowall update`) keep the detected desktop.

Test results (clean snapshot each time)

Check	Result
Published one-liner, no flags	Pass: "Desktop: KDE Plasma (wallpaper plugin)", sha256 verified, asked before 2 packages
Visible as the desktop background, day and night	Pass (screenshots attached)
Editor / CLI changes apply live	Pass: scene time 13:00 ↔ 22:30 changed within 3 s. The editor opens; see the limits for its preview.
Reboot	Pass: shows again after login, with no service needed
Update (2.0.14 → test build 2.0.15)	Pass: plugin updated in place, still active
Right-click desktop menu, panel, Desktop & Wallpaper settings	Pass: settings show "Wallpaper type: Oslo Wall"

Switch back to a normal KDE wallpaper (`oslowall off`)	Pass: previous wallpaper restored
Journal	No new errors or warnings from oslo-wall, QML or WebEngine
Whole-VM CPU (4 vCPU, software GL)	visible ~24 % · idle 5 fps ~4.9 % · maximised window 0.3 % · locked ~1.5 % (2.0.13 hidden: 65 %). Baseline 0.1 %.
RAM	QtWebEngine renderer ~210–480 MB RSS (2.0.13: ~690 MB WebKit)
Uninstall + diff vs pre-install manifest	**Empty**: home, /etc, system files, packages, user and system units. No file named *oslo*wall* left anywhere.

The CPU figures come from a VM without a GPU, where everything is drawn in software. On real hardware the visible cost is much lower.

Known limits (honest)

- Plasma on Wayland gives apps no idle-time query. So "idle" on Plasma means 5 minutes with no pointer movement over the desktop and no change of the active window, or logind's IdleHint when the session sets it. Typing in one window for 5+ minutes therefore also counts as idle. That only lowers the frame rate to 5 fps.
- On Plasma a *maximised* window also pauses the scene, because it covers the wallpaper anyway. It resumes as soon as the window is restored.
- In this GPU-less VM the editor's small live-preview pane stayed black (WebKitGTK reported an EGL/DRI error), although the editor's controls and the real wallpaper worked. This is likely VM-only, but we have not checked it on real hardware yet.
- The Claude usage widget's account sign-in (token handover) is a sway-host feature. In the Plasma plugin the usage widget works with a read key, but not with the account sign-in yet.
- Desktop notifications were not checked separately in this run. Nothing in the plugin touches them.

Screenshots (CachyOS KDE VM, 1280×800): night and day as the Plasma wallpaper; Plasma's wallpaper settings; right-click menu; after a reboot; the one-liner asking before packages; uninstall removing packages; back to the stock KDE wallpaper.















