Flatpak Sandboxed Linux apps

CONCEPTS

Apps run in a sandbox on a shared runtime. Installing one app may pull in a runtime that other apps reuse.

Remote e.g. flathub
↓ install
Installation --user or --system
↓ run
Sandbox app + runtime
↓ override
Permissions per app or global

A ref is name/arch/branch, e.g. org.mozilla.firefox/x86_64/stable. The short app ID is usually enough.

Install without --user or --system defaults to system-wide and may ask for admin rights. Use --user for a per-user install.

REMOTES

`flatpak remotes`
List configured remotes

`flatpak remote-add --if-not-exists <name> <url-or-.flatpakrepo>`
Add a remote

`flatpak remote-ls <remote>`
List what a remote offers

`flatpak remote-delete <remote>`
Remove a remote

INSTALL AND UPDATE

`flatpak search <text>`
Search remotes for apps

`flatpak install <remote> <app-id>`
Install from a remote

`flatpak install --user <app-id>`
Install for the current user only

`flatpak install -y <app-id>`
Install without prompts

`flatpak update`
Update apps and runtimes

`flatpak update <app-id>`
Update one app

INSTALL AND UPDATE (cont.)

`flatpak uninstall <app-id>`
Remove an app

`flatpak uninstall --unused`
Remove unused runtimes

`flatpak uninstall --delete-data <app-id>`
Remove app and its data

RUNNING

`flatpak run <app-id>`
Start an app

`flatpak run --command=<cmd> <app-id>`
Run another command in the sandbox

`flatpak run --filesystem=<path> <app-id>`
Grant a path for this run

`flatpak ps`
List running instances

`flatpak kill <app-id>`
Stop a running app

INSPECT

`flatpak list`
List installed apps and runtimes

`flatpak list --app`
List only apps

`flatpak info <app-id>`
Show an installed app

PERMISSIONS

`flatpak override --user --filesystem=<path> <app-id>`
Give an app a path

`flatpak override --user --show <app-id>`
Show your overrides

`flatpak override --user --reset <app-id>`
Clear your overrides

MAINTENANCE

`flatpak repair --user`
Check and fix the user install