Flatpak
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Motivation

- Cross-distribution packages
  - Packages are generally not distribution-independent

- Providing consistent environments
  - Useful for testing / bug fixing

- Forward compatibility
  - Allowing multiple versions of runtimes to be installed

- Advanced application isolation
  - Various sandbox settings
Managing repositories

- **Add repository**
  - flatpak remote-add --if-not-exists <repository name> <repository address>

- **Delete repository**
  - flatpak remote-delete <repository name>

- **Official repository called “flathub” is located on address**: https://flathub.org/repo/flathub.flatpakrepo
Getting applications

- Manually finding .flatpakref files:
  - flatpak install [--user] <package.flatpakref>
  - flatpak install [--user] --from <link to .flatpakref>

- Searching in added repositories:
  - flatpak search <application name>
  - flatpak install [--user] <repository> <package>
Managing applications

- List installed applications
  - flatpak list

- Updating applications
  - flatpak update [package]

- Uninstalling applications
  - flatpak uninstall <package>

- Running applications
  - flatpak run <package>
Sandbox

- Sandbox
  - isolated environment
- Portal
  - interacting with host
- Runtime
  - basic dependencies
- Bundled libraries
  - dependencies which are not part of a runtime
Demo