

Universal Packages

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Introduction

What are packages?

A **package** is an archive containing a collection of executable files or source code, along with metadata, which represent a computer program.

What is a package format?

A **package format** is an organizational structure for delivering packages to users.

Why do we need package formats?

- They provide a common way to bundle executables, libraries, assets, etc. for deployment on user machines.
- They provide metadata about programs for use in package managers.
- It would suck if we had to go find the source code for every single program we want to use and compile from source.¹

¹Actually, some package formats do require compilation from source (for example some AUR packages) but at least it helps automate this process.

Appimage

snapd

flatpak

nix

Love to Hate Them

Proprietary enterprise apps are coming to Linux

- Canonical snap sprint

Currently, when enterprises want to target a platform, they see this:

macOS .dmg

Windows .exe

Android .apk

Linux .deb, .rpm, PKGBUILD, ...

Live Demo

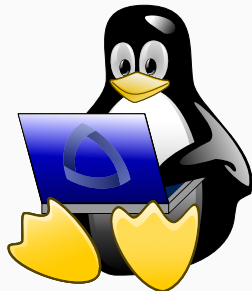
Questions?

- `https://`

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