

# Universal Packages

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Sumner Evans and Robby Zampino

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# Introduction

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# 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.<sup>1</sup>

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

# Appimage

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**snapd**

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**flatpak**

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**nix**

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**Love to Hate Them**

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# Proprietary enterprise applications are coming to Linux

Currently, when enterprises want to make a cross-platform application, they see this:

macOS .dmg

Windows .exe

Android .apk

Linux .deb and .rpm and PKGBUILD and ...

However, when companies like Canonical come in and say “just target snaps”, all of a sudden, it may tip the scale at enterprises for them to start targeting Linux. If they create a snap, then they capture all of the Linux market, not just the subset that uses a particular format.

# Pros and cons

## Pros

- More application availability.

## Cons

- The applications are going to be sh\*t. Electron enterprise sh\*t.

**Live Demo**

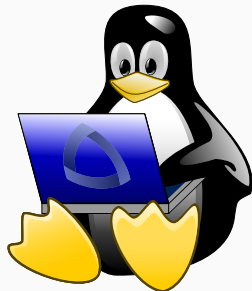
**Questions?**

- `https://`

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Colorado School of Mines  
Linux Users Group