

# openSUSE Leap & Flatpak

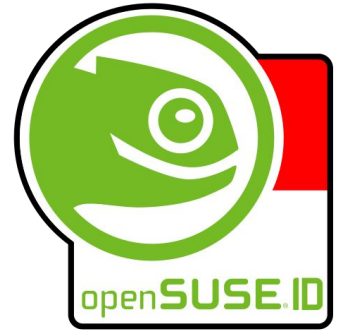
My Experiences

openSUSE.Asia Summit 2018 X COSCUP 2018 X GNOME.Asia Summit 2018  
Aug 11th - 12th, 2018

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# Hello (world)

- Kukuh Syafaat
  - FOSS Enthusiast
  - openSUSE-ID
  - GNOME-ID
  - LibreOffice-ID







Flatpak

# Flatpak

- Flatpak is a framework for distributing desktop applications on Linux.
  - <https://flatpak.org/about/>
  - <https://github.com/flatpak/flatpak>
  - <http://flatpak.readthedocs.io/en/latest/>



# Why Flatpak?

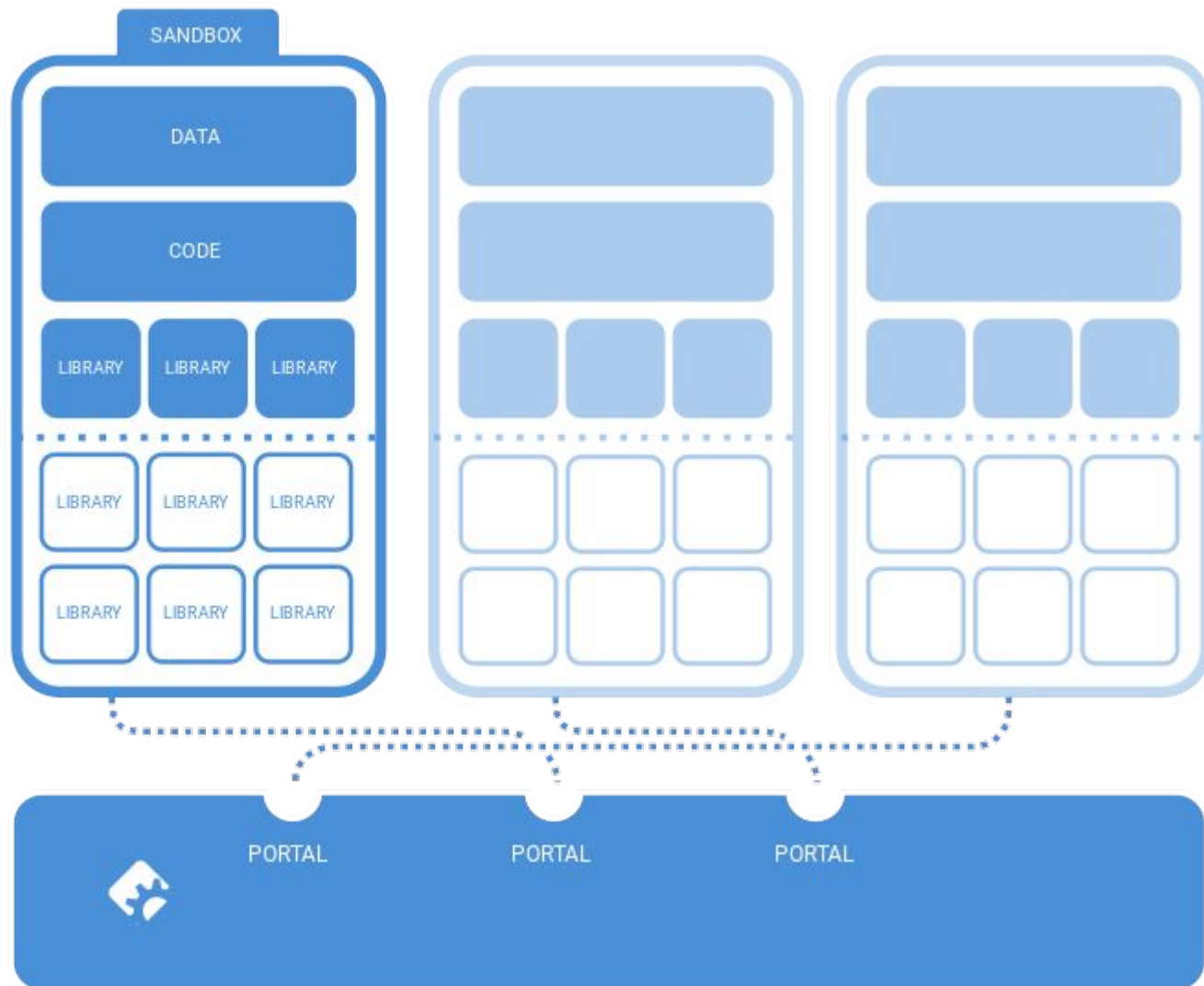
- Access a wide variety of applications
- Get new versions faster
- Safely update your apps without having to reboot
- Install different versions of the same application
- Secure, sandboxed applications



APPLICATION

RUNTIME  
(SHARED)

OPERATING SYSTEM



# Flatpak Goals

- Make it possible for third parties to create and distribute applications that work on multiple distributions.
- Run applications with as little access to the host as possible (for example user files or network access).







Flathub

## DISCOVER

- Popular
- New & Updated
- Editor's Choice
- Editor's Choice Games

## CATEGORIES

- All
- Audio & Video
- Developer Tools
- Education
- Games
- Graphics & Photography
- Communication & News
- Productivity
- Science
- Settings
- Utilities

## Popular Apps

See more



**GNU Image Manipulation ...**  
Create images and edit photog...



**GNU Octave**  
Interactive programming envir...



**Spotify**  
Online music streaming service



**Steam**  
Manage and play games distrib...



**Visual Studio Code**  
Visual Studio Code. Code editin...

## New & Updated Apps

See more



**noson**  
Controller for SONOS



**Warzone 2100**  
In Warzone 2100, you comman...



**Processing IDE**  
Open-source software prototyp...



**Slingshot**  
2D space shooting game with g...



**Synfig Studio**  
Create and edit 2D animations ...

# Flathub

- For users:
  - App store
    - Apps
    - Themes
    - Runtimes
- <https://flathub.org>
- <http://github.com/flathub>



# Flathub

- For developers:
  - Single point of entry for distributing apps on the most popular Linux distributions
  - Build service:
    - reproducible builds
    - multiple archs
      - x86\_64
      - i386
      - arm
      - aarch64
- <https://flathub.org/builds/#/>



The background features abstract geometric shapes in two shades of green. A large teal shape occupies the left and top portions, while a bright green shape is on the right. They are separated by a white diagonal line.

# openSUSE Leap

# openSUSE Leap

- Leap uses source from SUSE Linux Enterprise (SLE), which gives Leap a level of **stability** unmatched by other Linux distributions, and combines that with community developments to give users, developers and sysadmins **the best stable** Linux experience available.
- Latest release: 15.0 (released May 25, 2018)



# openSUSE Leap & Flatpak

Follow these simple steps to start using Flatpak

1

## Install Flatpak

Flatpak can be installed on Leap 42.1, Leap 42.2 and Tumbleweed using a 1-click install.

On Tumbleweed, Flatpak can also be installed using Zypper:

```
$ sudo zypper install flatpak
```

2

## Add the Flathub repository

Flathub is the best place to get Flatpak apps. To enable it, run:

```
$ flatpak remote-add --if-not-exists flathub https://flathub.org/repo/flathub.flatpakrepo
```

3

## Restart

To complete setup, restart your system. Now all you have to do is [install some apps!](#)

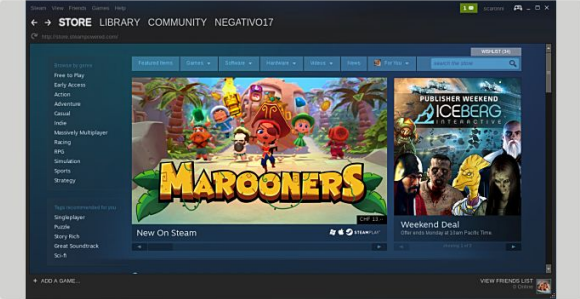
Note: Flatpak applications can only be installed using the graphical Software application on either Tumbleweed or Leap 15.0 and later.





# Integration with GNOME Software

Pasang



Steam is a popular platform for buying, downloading, and playing video games, and chatting with other players.

Many games require an online purchase, but some popular games, such as Team Fortress 2, are free to play. When searching in the store, be sure to narrow results by the SteamOS/Linux operating system. Not all Linux games are compatible with your system, so make sure you check the requirements before purchasing games.

Situs Web

Rincian

Terlokalisasi dalam Bahasa Anda

Dokumentasi

Aktivitas Rilis

Integrasi Sistem

Sandbox

Versi

Lisensi

Pengembang

Sumber

Ukuran Terpasang

Ukuran Unduh

stable

Proprietari

Valve Corporation

dl.flathub.org

6,4 MB

4,3 MB

# GNOME Apps

- Installing and running multiple version

- Stable build

```
flatpak install flathub org.gnome.Builder  
flatpak run --branch=stable org.gnome.Builder
```

- Nightly build (master)

- <https://wiki.gnome.org/Apps/Nightly>

```
flatpak install gnome-apps-nightly org.gnome.Builder  
flatpak run --branch=master org.gnome.Builder
```





Spotify®

[Search](#)
[Settings](#)


### perl-Net-Spotify

Perl interface to the Spotify Metadata API

[Get](#)


### nuvola-app-spotify

Configuration data for Nuvolaplayer for Spotify service

[Get](#)


### spotify

[Get](#) [Sub-Packages](#)


### libspotify

[Get](#)


### spotify-curl

A Tool for Transferring Data from URLs

[Get](#)


### spotify-client

Spotify music player native client

[Get](#)


### spotify-ffmpeg

Spotify compatibility package - FFMpeg

[Get](#)


### spotify-easyrpm

Download, convert and install the Spotify for Linux package

[Get](#)


### spotify-linux-installer

Automatically downloads and installs the latest Spotify version on Linux.

[Get](#)

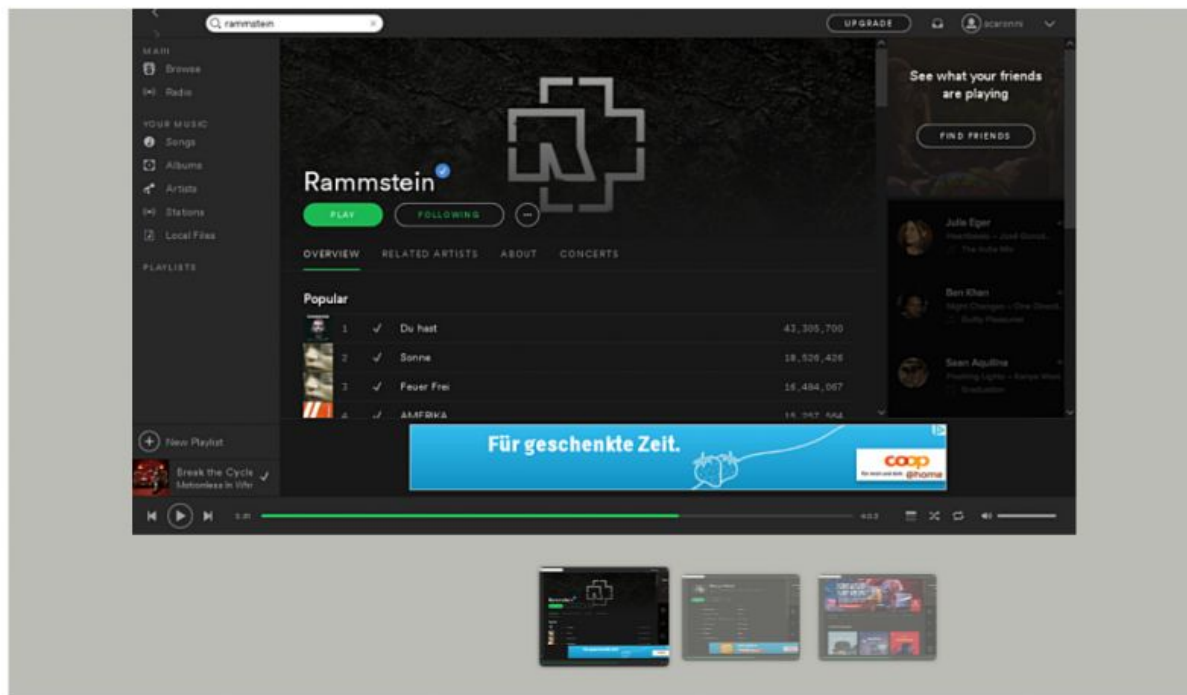


# Spotify

Online music streaming service

INSTALL

Make sure to follow the [setup guide](#) before installing



Access all of your favorite music, discover new songs, and share music online with your friends - all in one place. Create shared playlists



EXPLORER

WORKING FILE

- gulpfile.js

NODE-EXPRE

- .vscode
- bin
- node\_mod
- public
- routes
- styles
- tests
- typings
- views
- .gitignore
- app.js
- gulpfile.js
- jsconfig.json
- package.json
- README.md
- tsd.json
- vscodequickstart.md

Search: ext install

- C# 101158 0.3.7 Microsoft
- C# for Visual Studio Code (powered by OmniSharp). [README](#) [LICENSE](#)
- Go 44464 0.6.38 lukehoban
- Python 43414 0.3.3 Don Jayamanne

```
10
11
15 gulp.task('watch', function() {
16
17 });
18
19 /**
20  * compile less files from the ./styles folder
21  * into css files to the ./public/stylesheets folder
22  */
23 gulp.task('less', function () {
24     return gulp.src('./styles/**/*.less')
25         .pipe(less({
26             paths: [path.join(__dirname, 'less',
27                             'includes')]
28         }));
29     .pipe(gulp.dest('./public/stylesheets'));
```

master\* 0 0 Spaces: 4 Ln 4, Col 1 UTF-8 LF JavaScript 1.8.2

visual studio code

 Search

 Settings

No packages found matching your search.

You could try to extend your search to development packages or search for another base distribution (currently ALL).





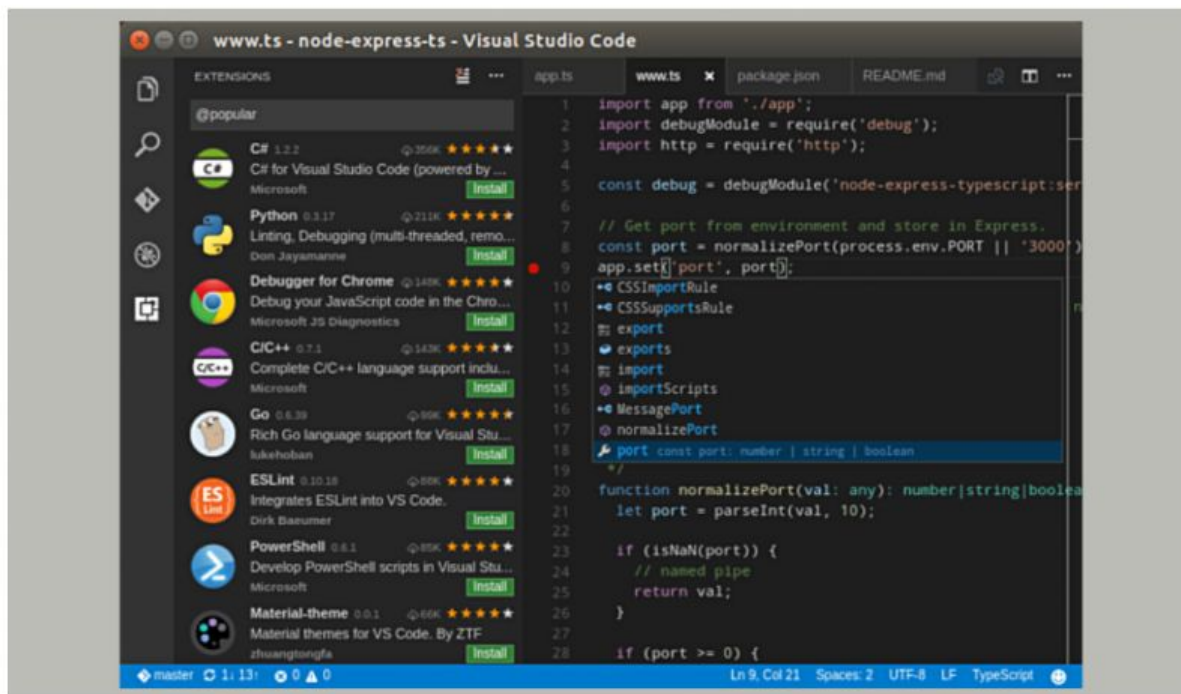


# Visual Studio Code

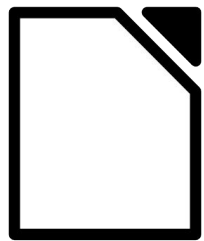
Visual Studio Code. Code editing. Redefined.

INSTALL

Make sure to follow the [setup guide](#) before installing



Visual Studio Code is a new choice of tool that combines the simplicity of a code editor with what developers need for the core edit-



# LibreOffice

The Document Foundation



## Distributions

### openSUSE Tumbleweed

official release **Official**

6.1.0.3

🔗 1 Click Install

📄 Download ▾

Show experimental packages

Show community packages

### openSUSE Leap 15.0

official release **Official**

6.0.4.2

🔗 1 Click Install

📄 Download ▾

Show experimental packages

Show community packages

### openSUSE Leap 42.3

official update **Official**

6.0.4.2

🔗 1 Click Install

📄 Download ▾

Show experimental packages

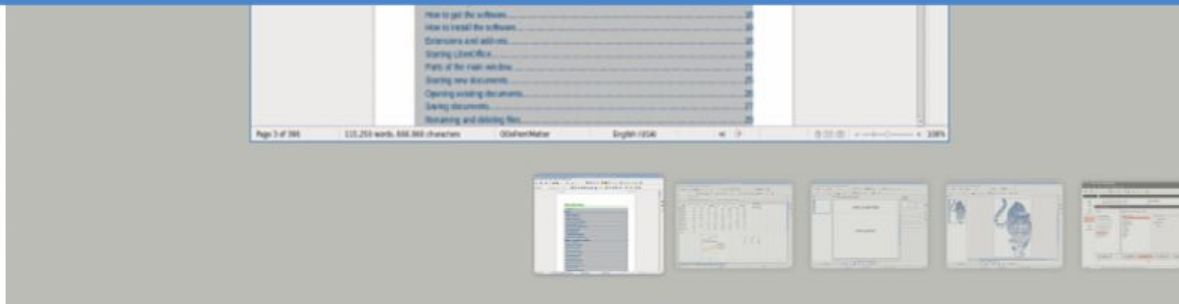
Show community packages

### SUSE SLE-15

Show experimental packages

Show community packages





LibreOffice is a powerful office suite. Its clean interface and feature-rich tools help you unleash your creativity and enhance your productivity. LibreOffice includes several applications that make it the most powerful Free and Open Source office suite on the market: Writer (word processing), Calc (spreadsheets), Impress (presentations), Draw (vector graphics and flowcharts), Base (databases), and Math (formula editing).

LibreOffice supports opening and saving into a wide variety of formats, so you can easily share documents with users of other popular office suites without worrying about compatibility.

[Website](#)[Donate](#)[Help](#)[Issues](#)

### Additional information

Updated

August 2, 2018

License

Free

Version

6.0.6.2

Developer

The Document Foundation

Category

Productivity

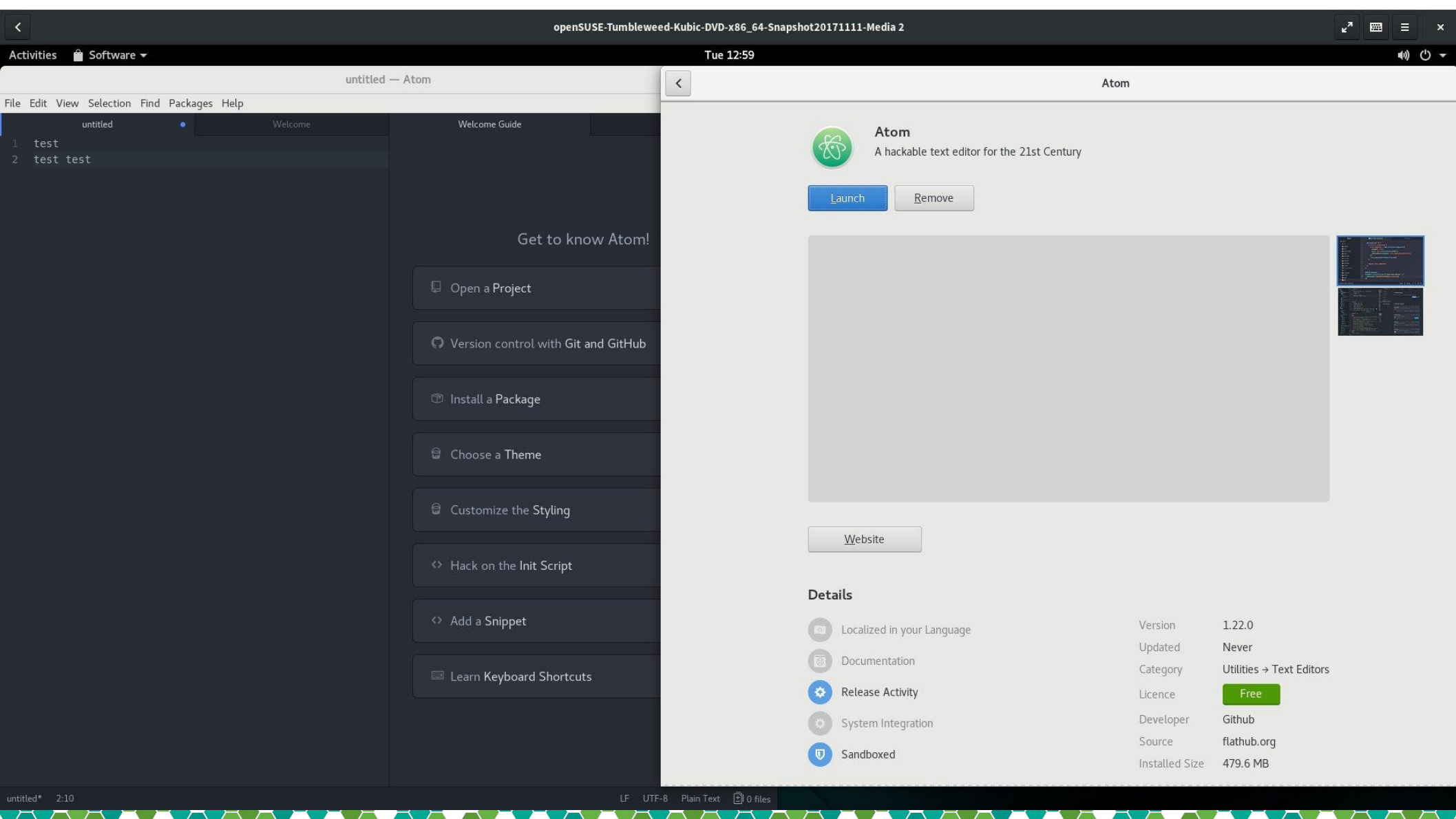
Publisher

Flathub maintainers

# The Future of openSUSE & Flatpak

# Kubic Desktop





```
1 test
2 test test
```

Get to know Atom!

Open a Project

Version control with Git and GitHub

Install a Package

Choose a Theme

Customize the Styling

Hack on the Init Script

Add a Snippet

Learn Keyboard Shortcuts

**Atom**

A hackable text editor for the 21st Century

Launch

Remove

[Website](#)**Details**

- Localized in your Language
- Documentation
- Release Activity
- System Integration
- Sandboxed

Version	1.22.0
Updated	Never
Category	Utilities → Text Editors
Licence	Free
Developer	Github
Source	flathub.org
Installed Size	479.6 MB

# Kubic Desktop

- <https://hackweek.suse.com/16/projects/kubic-desktop-aka-sgt-peppers-read-only-hearts-club-band>
- <https://rootco.de/2017-11-16-hackweek-2017-conclusion/>

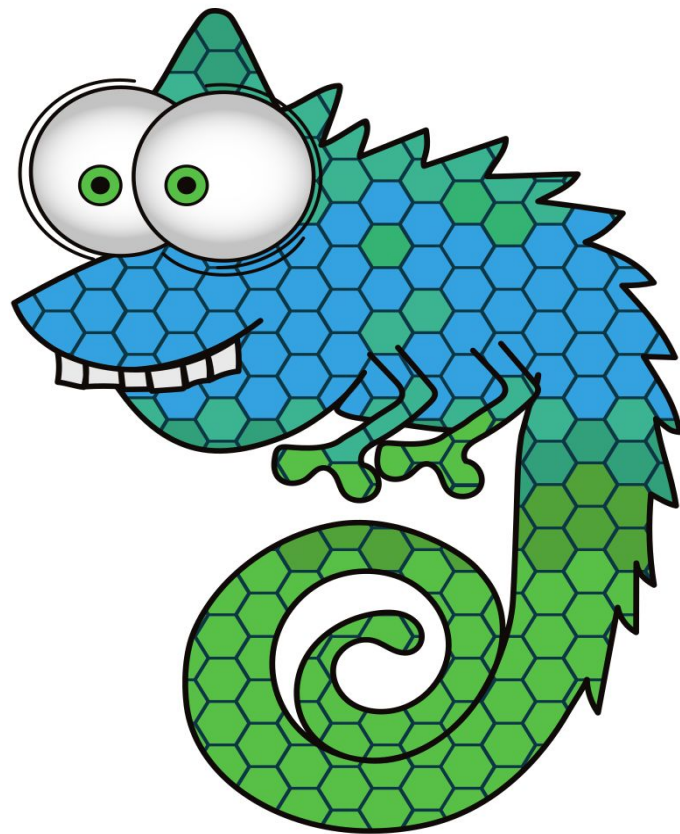




**THANK YOU**

**謝謝**





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## Credits

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### Design & Inspiration

openSUSE Design Team

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