

# Bundling KDE



**Who am I?**

# Motivation

# Users on supported software

**What?**

# Installing KDE Applications

# Snap

```
sudo snap install kde-frameworks-5  
sudo snap install kblocks
```

Harald's Blog

# Building Snaps

```
name: kalgebra  
version: 16.08.2  
summary: ((TBD))  
description: ((TBD))  
confinement: strict  
grade: devel
```

Harald's Blog

[snapcraft-kde-applications.git](https://github.com/snapcraft-kde-applications)

```
apps:
  kalgebra:
    command: kf5-launch kalgebra
    plugs:
      - kde-frameworks-5-plugin # content share itself
      - home # give us a dir in the user home
      - x11 # we run with xcb Qt platform for now
      - opengl # Qt/QML uses opengl
      - network # gethotnewstuff needs network IO
      - network-bind # gethotnewstuff needs network IO
      - unity7 # notifications
      - pulseaudio # sound notifications
```

```
plugs:  
  kde-frameworks-5-plug:  
    interface: content  
    content: kde-frameworks-5-all  
    default-provider: kde-frameworks-5  
    target: kf5
```

parts:

kde-frameworks-5-dev:

plugin: dump

snap: [-\*]

source: [http://build.neon.kde.org/job/kde-frameworks-5-release\\_amd64.snap/lastSuccessfulBuild/artifact/kde-frameworks-5-dev](http://build.neon.kde.org/job/kde-frameworks-5-release_amd64.snap/lastSuccessfulBuild/artifact/kde-frameworks-5-dev)

kde-frameworks-5-env:

plugin: dump

snap: [kf5-launch, kf5]

source: <http://github.com/apache/logger/kf5-snap-env.git>

kalgebra:

after: [kde-frameworks-5-dev]

plugin: cmake

source: <http://download.kde.org/stable/applications/16.08.2/src/kalgebra-16.08.2.tar.xz>

configflags:

- "-DKDE\_INSTALL\_USE\_QT\_SYS\_PATHS=ON"
- "-DCMAKE\_INSTALL\_PREFIX=/usr"
- "-DCMAKE\_BUILD\_TYPE=Release"
- "-DENABLE\_TESTING=OFF"
- "-DBUILD\_TESTING=OFF"
- "-DKDE\_SKIP\_TEST\_SETTINGS=ON"

# Flatpak

```
curl http://distribute.kde.org/kdeflatpak.gpg > k.gpg
flatpak remote-add kde http://distribute.kde.org/flatpak-testing/ --gpg-import=k.gpg
flatpak install kde org.kde.Platform

flatpak remote-add kdeapps http://distribute.kde.org/flatpak-apps/ --gpg-import=k.gpg
flatpak install kdeapps org.kde.okular
```

Wiki!

# Flatpak Portals

Jan's Blog

# Building applications with Flatpak

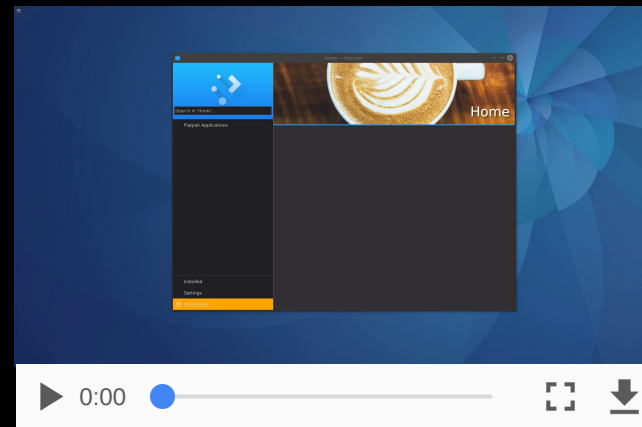
```
flatpak install kde org.kde.Sdk  
flatpak-builder --ccache --repo=repo --subject="Build of AWESOMEAPP `date`" app org.kde.AWESOMEAPP.json
```

```
{
  "id": "org.kde.kalgebra",
  "runtime": "org.kde.Platform",
  "sdk": "org.kde.Sdk",
  "command": "kalgebra",
  "finish-args": [ "--share=ipc", "--socket=x11", "--filesystem=host" ],

  "modules": [
    {
      "name": "analitza",
      "cmake": true,
      "sources": [ { "type": "git", "url": "git://anongit.kde.org/analitza.git" } ]
    }, {
      "name": "kalgebra",
      "cmake": true,
      "sources": [ { "type": "git", "url": "git://anongit.kde.org/kalgebra.git" } ]
    }
  ]
}
```

# Installing platform's applications

# Flatpak in Discover



# Snappy in Discover

# Beyond applications

# Developer Story

# Plasma

Snappy Flatpak

?

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