Installation

Installables

You can find the latest build of the userspace daemon and android application in the github releases. They are built for both `x86_64` and `arm64-v8a`, so you have to choose the right version depending on the architecture of your android device/emulator.

Android Emulator

For running the daemon you can use any recent android system image (versions 14 and 15 should work fine). The easiest way to install this is to use `sdkmanager` or the tools available in Android Studio. For running the daemon you need a custom system image with a kernel supporting syscall tracing.

After acquiring the system image, you have to create an avd. The easiest way to do that is to install the Android SDK and use `avdmanager`:

```
avdmanager create avd -n myemu  -k 'YOUR SYSTEM IMAGE NAME' --device automotive_
```

Running this newly created avd can be done through `emulator @myemu`.

Installing

After the system is set up, you can install the application with `adb install path/to/app.apk`.

The daemon has to be run as root. You can push the binary to the emulator using `adb push path/to/daemon /data/local/tmp/`. `/data/local/tmp` is used as an example, as this directory is typically writable on an emulator. Any directory that can be written to suffices.

Running

Daemon

Start the backend daemon as root, you can use `adb` for that:

```
adb shell su root /data/local/tmp/daemon
```

Android App

The app can be used like any other android app. Just open it from the device launcher.
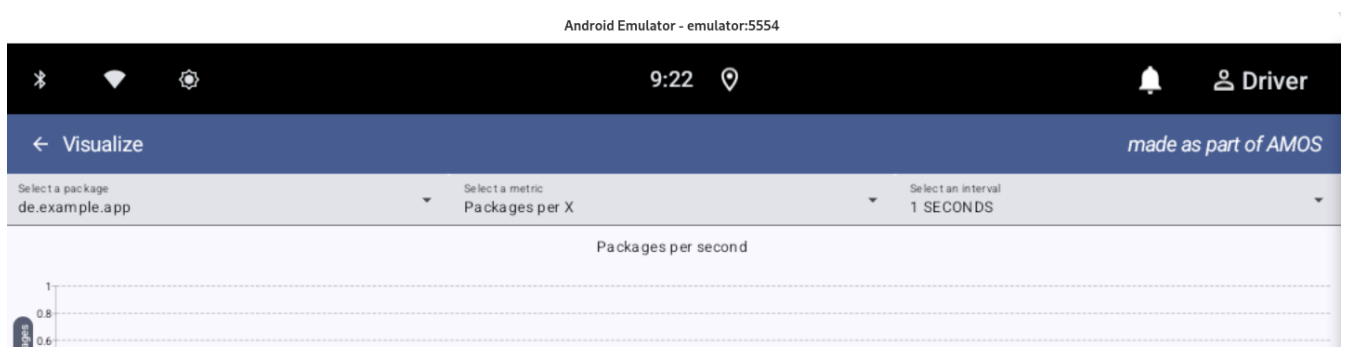
Usage

Demo video
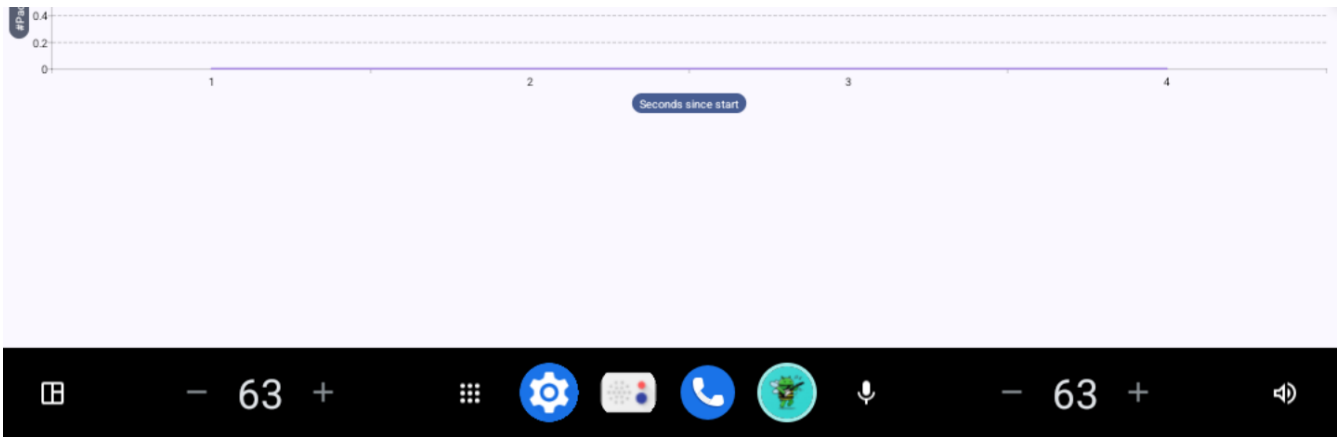

20250128-2116-demo-video.mp4 ▾
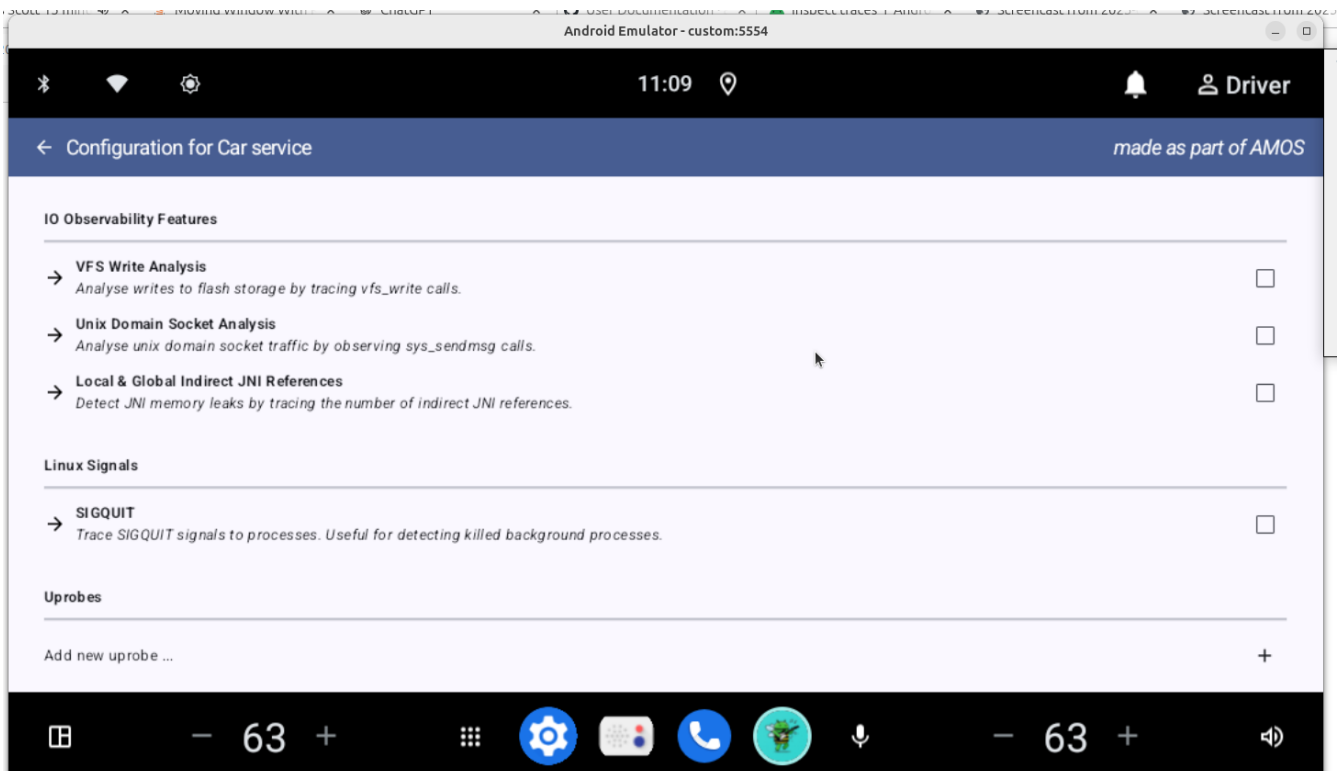
0:00 / 3:00

Visualize

This screen offers visualizations for different kinds of events. You can select the package you want to inspect, the kind of metric that interests you and time intervals.

Configuration

The configuration screen allows you to select options per process.

Reset

This empties the configuration and allows for a clean restart.