

Eclipse Oniro A production OS

Focus on your applications again

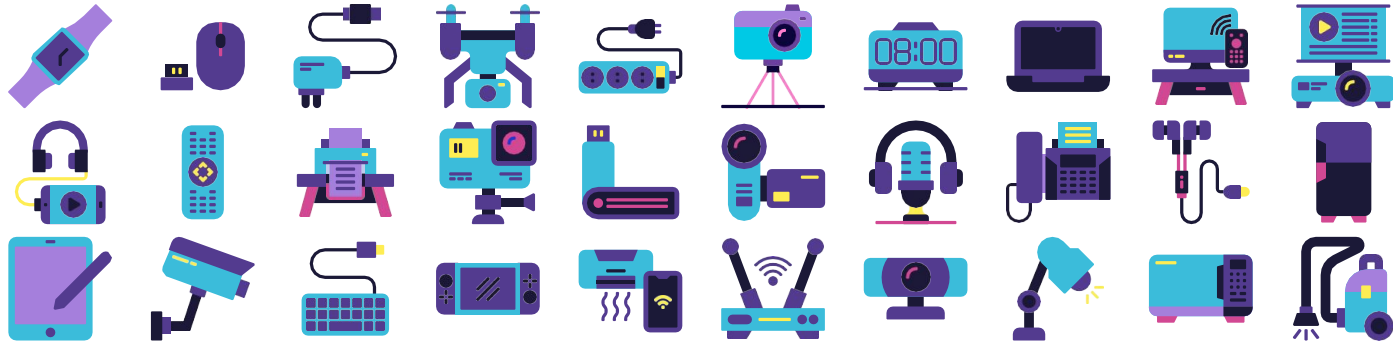
Amit Kucheria
FOSDEM 2022

Bio

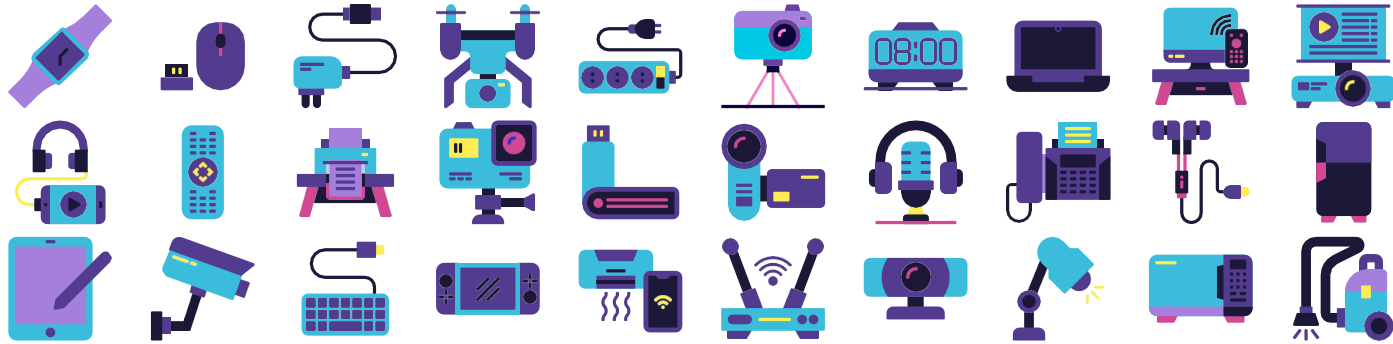
- Amit Kucheria
- Eclipse Oniro Chief Product Architect
- Linux and Zephyr developer
- Distros, SoC vendors, Product development



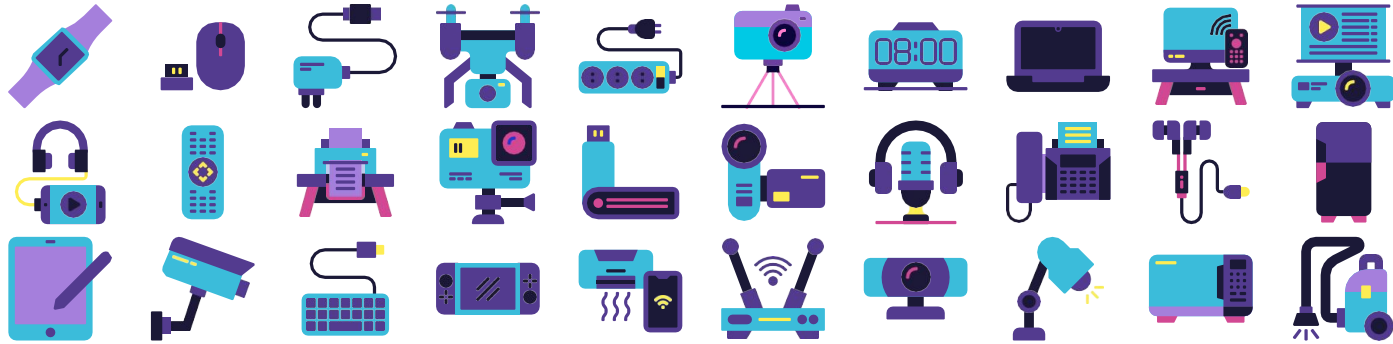
Internet of Things



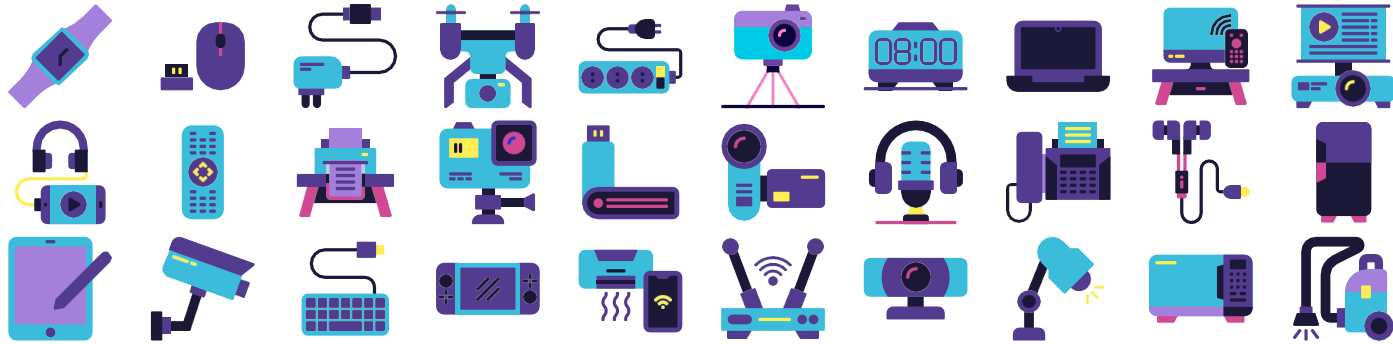
Internet of Things Abandonware



Internet of Things Silos



Internet of Things the Unsecured



Path to a Product

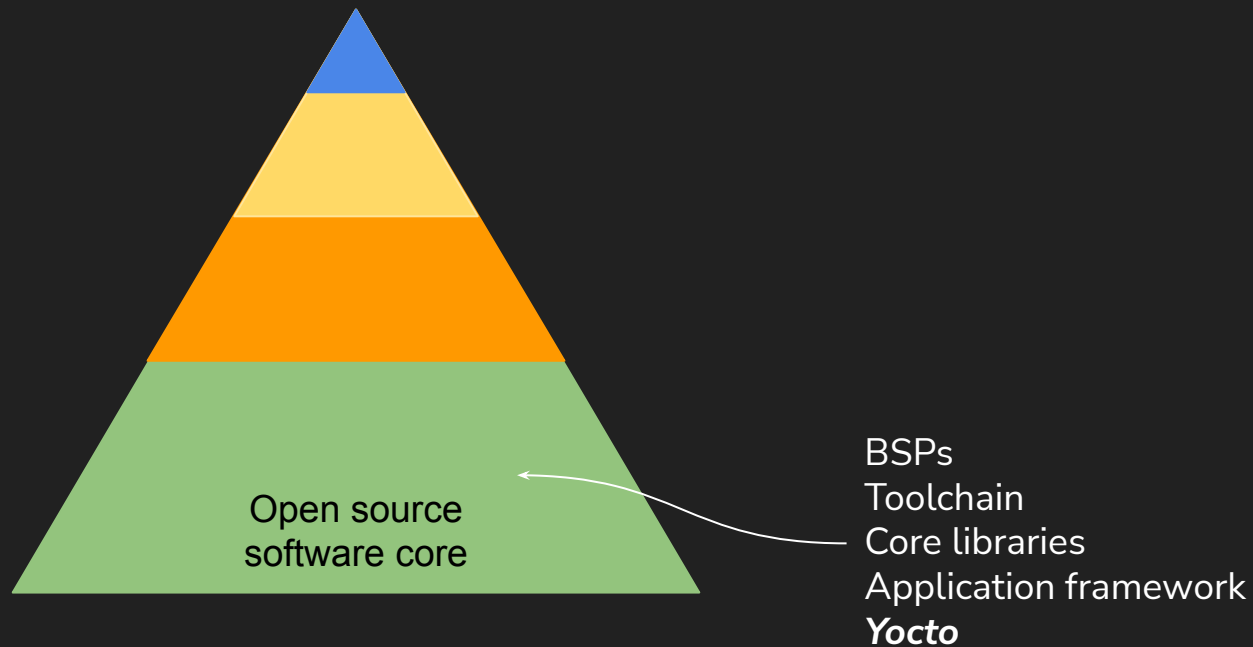




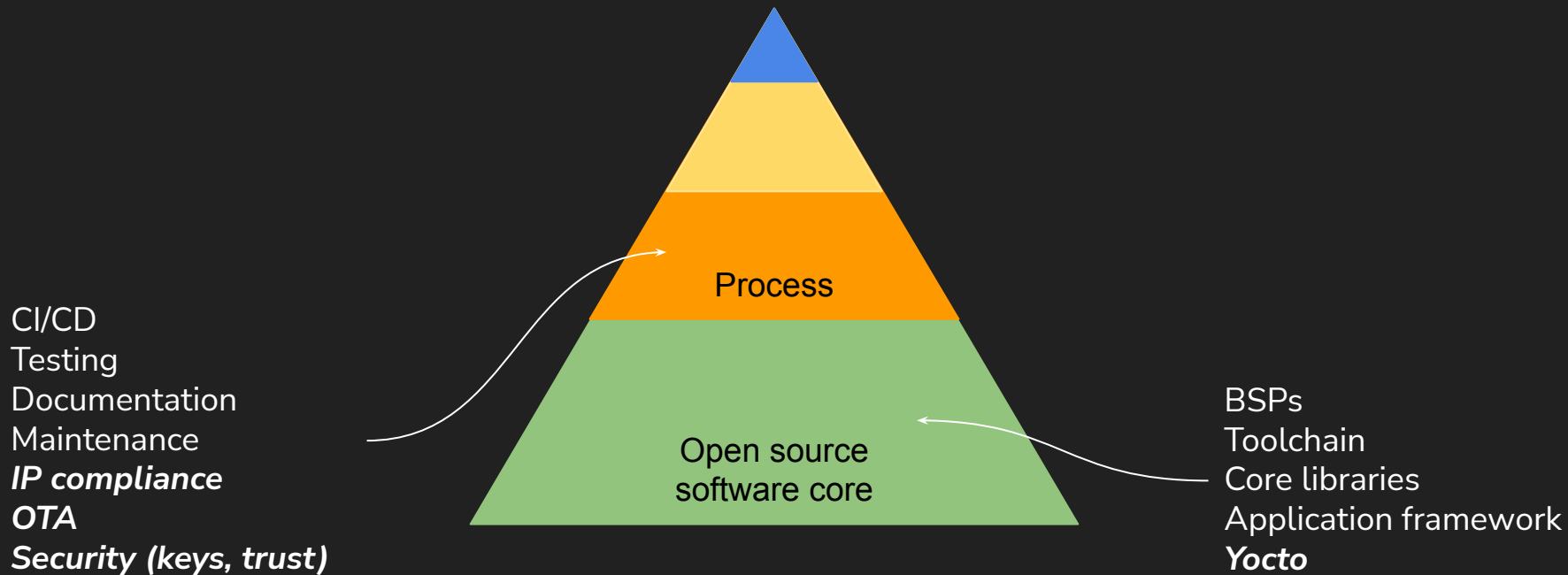
Effort distribution



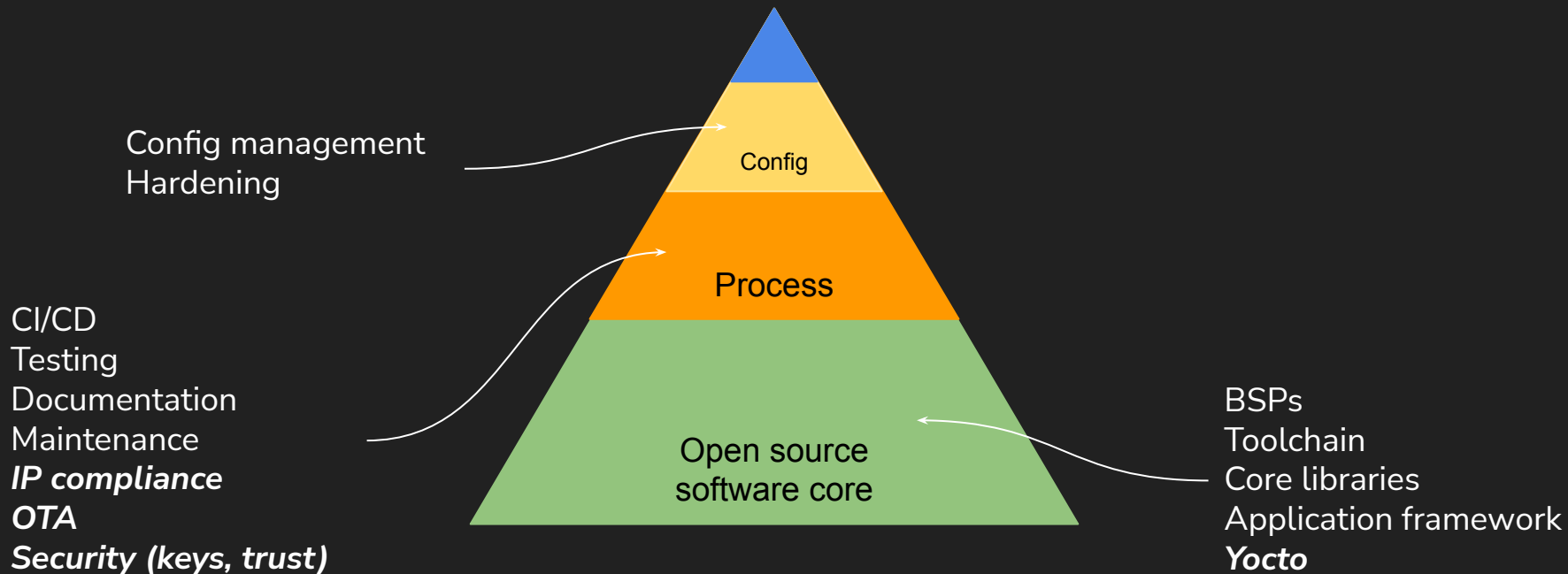
Effort distribution



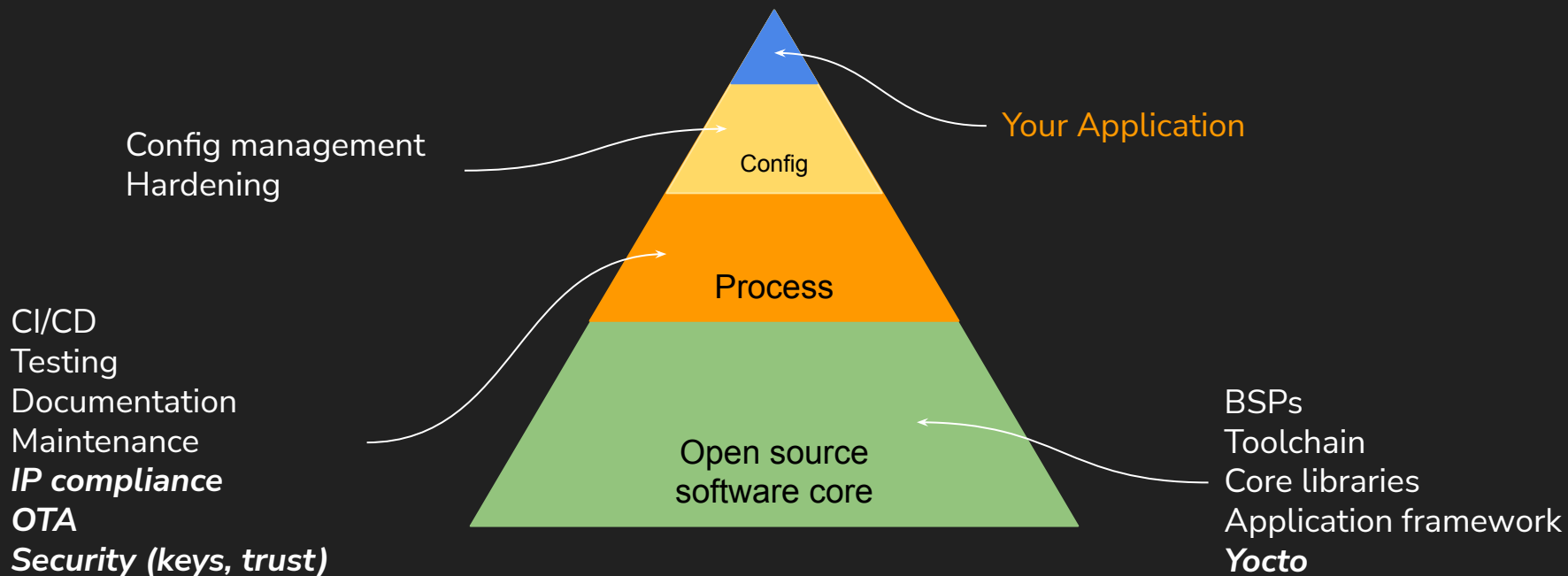
Effort distribution



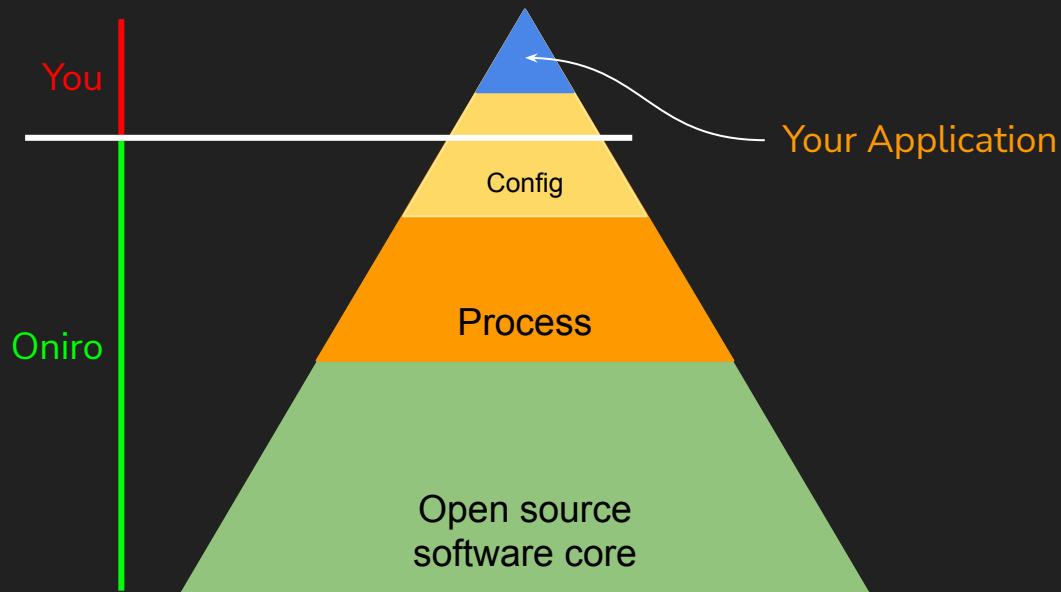
Effort distribution



Effort distribution

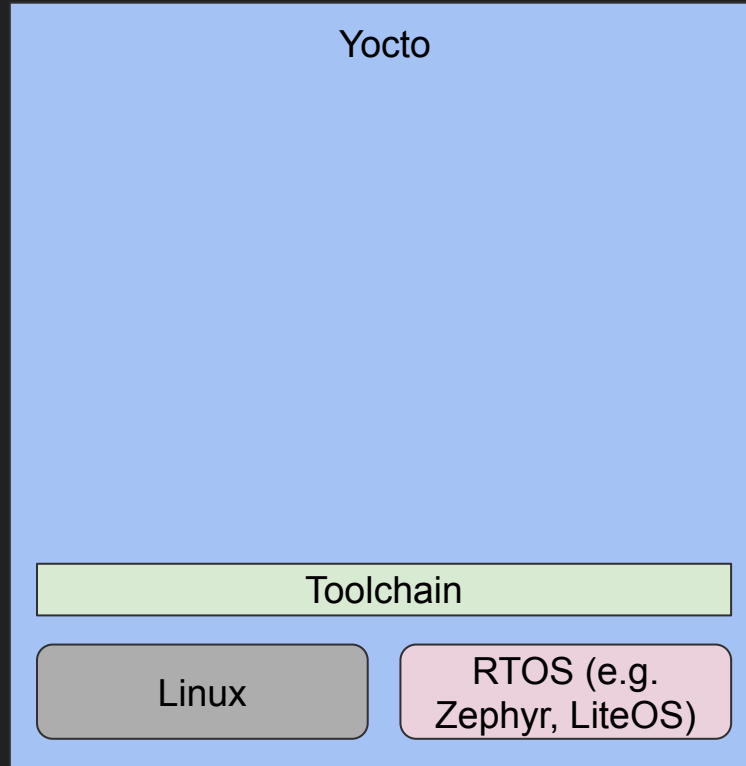


Let Oniro help you

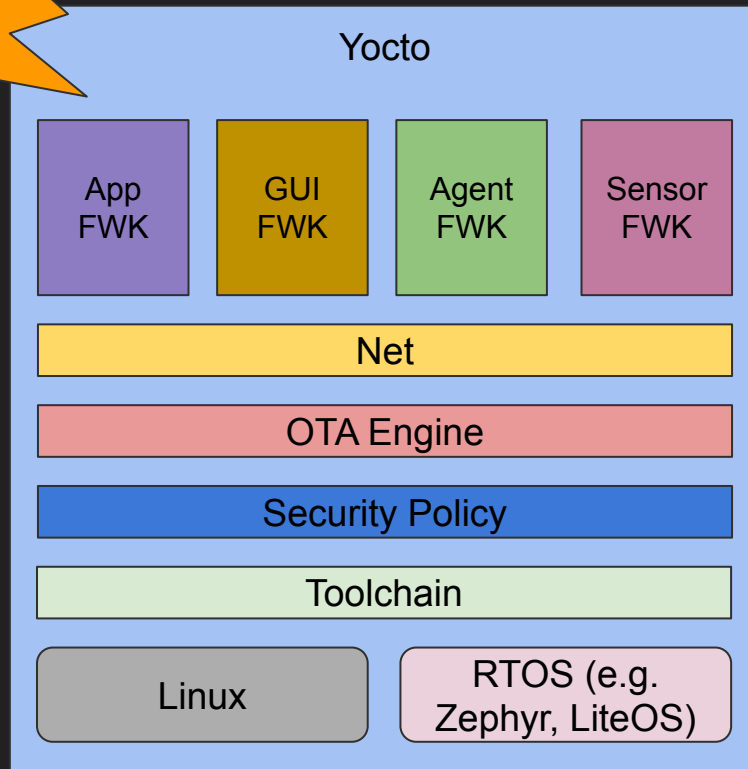


Eclipse Oniro A production OS

Focus on your applications again



**Opinionated
defaults**





Yocto

App
FWK

GUI
FWK

Agent
FWK

Sensor
FWK

Net

OTA Engine

Security Policy

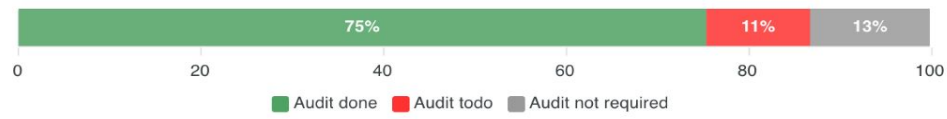
Toolchain

Linux

RTOS (e.g.
Zephyr, LiteOS)

FOSSology audit progress

Total audit files



Provenance

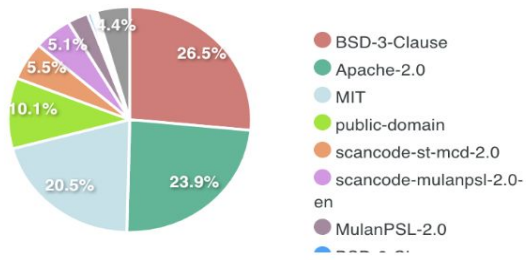
Upstream source total: 1606



License types scanned

27

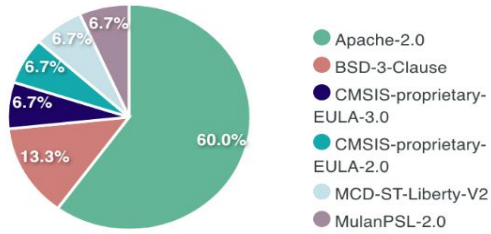
Results from automated scanners such as scancode, monk, nomos, ojo



Main license types

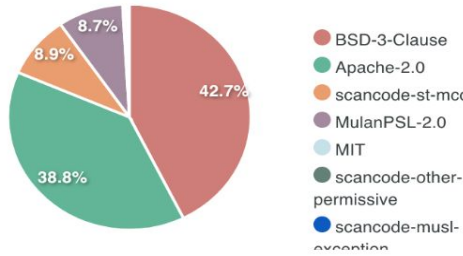
Accumulated main licenses

6



License types audited

Results by human auditor analysis



Main Licenses
accumulated

6

Files
total

1606

Distros
accumulated

0

Images
accumulated

0

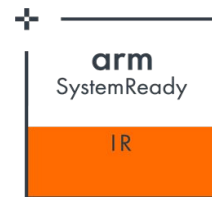
Machines
accumulated

0

Releases
accumulated

1

Standards and Compliance



Eclipse Oniro...

1. Is an **OpenHarmony**-compatible OS platform for products
2. Is Apache-2 licensed
3. Uses **blueprints** to provide MVPs
4. Integrates **upstream** projects but also drives new innovation
5. Strives to raise the bar to creating great IoT products



Thanks for listening!
oniroproject.org





amitk@kernel.org