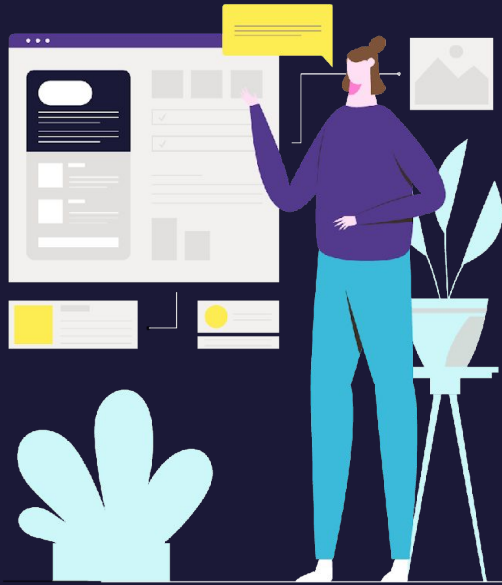


Eclipse oniro

Building together
a fully-connected
all-scenario
intelligent ecosystem





Current Stack, Gaps and Future Focus Areas

► Jasmine: The Year that was

- **Team size:** 25→19→27
- **Reference Hardware:** 0 to 7 (2 µc, 4 cpus, qemu)
- **Architectures:** ARM Cortex-M4, ARM Cortex-A, x86
- **Yocto:** Dunfell release + updates to key components (5.10 Linux kernel, GCC v11.2)
- **Security:** SystemReady compatible (1 board), CVE and LTS processes
- **OTA:** Linux OTA MVP
- **Network:** OpenThread/BLE/Wifi-based gateway, MQTT/CoAP application protocols
- **Blueprints:** v1 of Vending Machine, Door lock, Transparent Gateway, Keypad
- **Convergence:** Openharmony Specification and Yocto wrapper for OpenHarmony
- **Testing:** HW lab in progress



► Jasmine: Misses

- LLVM Toolchain
- Automated Testing
- Application Framework
- Blueprint: Touchpanel
- Zephyr security hardening
- Zephyr OTA tie-in
- Interaction between Blueprints



▶ Oniro Gaps

- Automated Testing
- ACTS test for Oniro
- Application and UI Framework
- Distributed Device Intelligence
- Common Data Interchange Language
- RISC-V support





Yocto

App
FWK

GUI
FWK

Agent
FWK

Sensor
FWK

Net

OTA Engine

Security Policy

Toolchain

Linux

Zephyr

▶ JOIN ONIRO PROJECT

Thank you!

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Jasmine Misses



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