

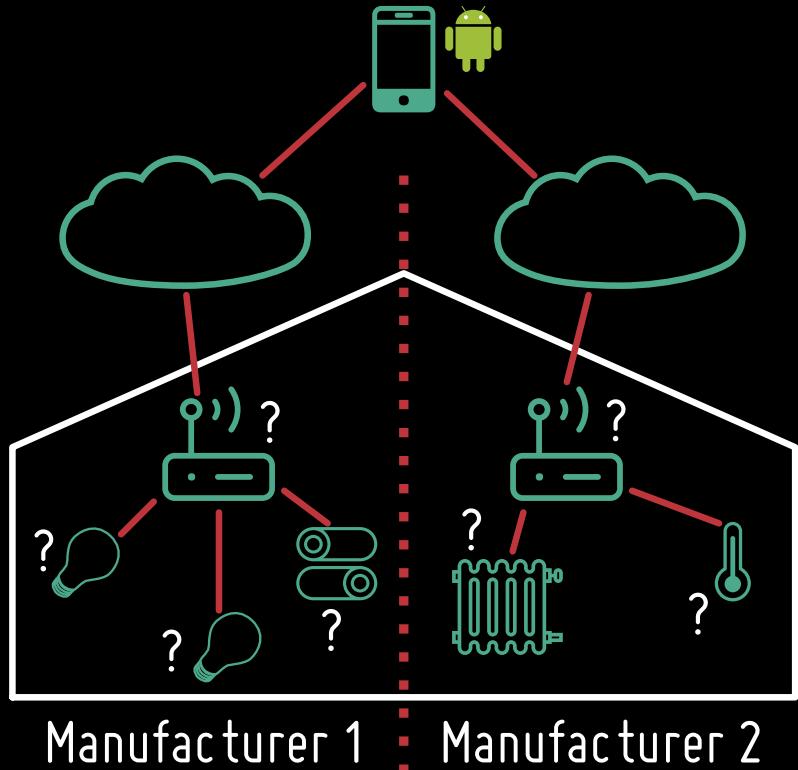


The friendly OS for the IoT

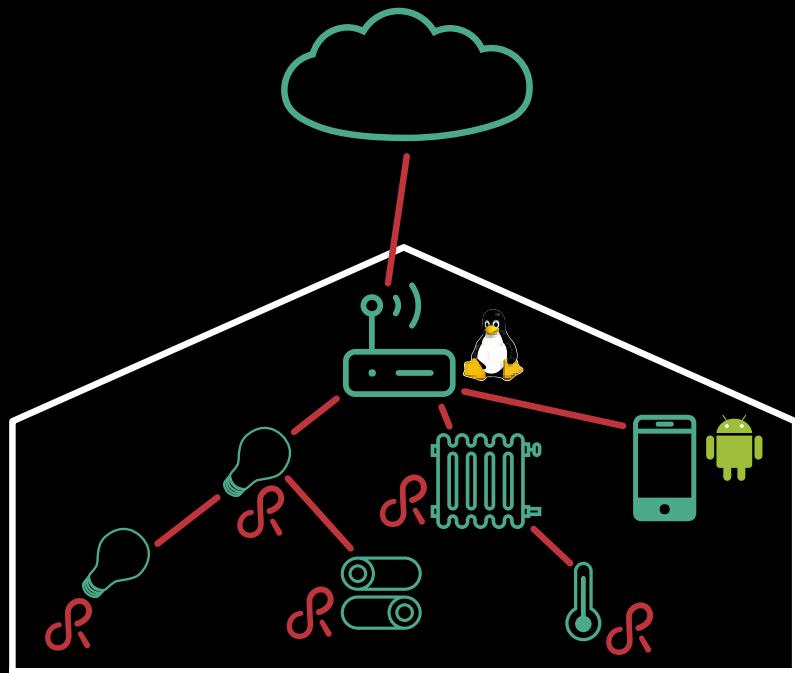
Martine Lenders (m.lenders@fu-berlin.de)

Why RIOT?

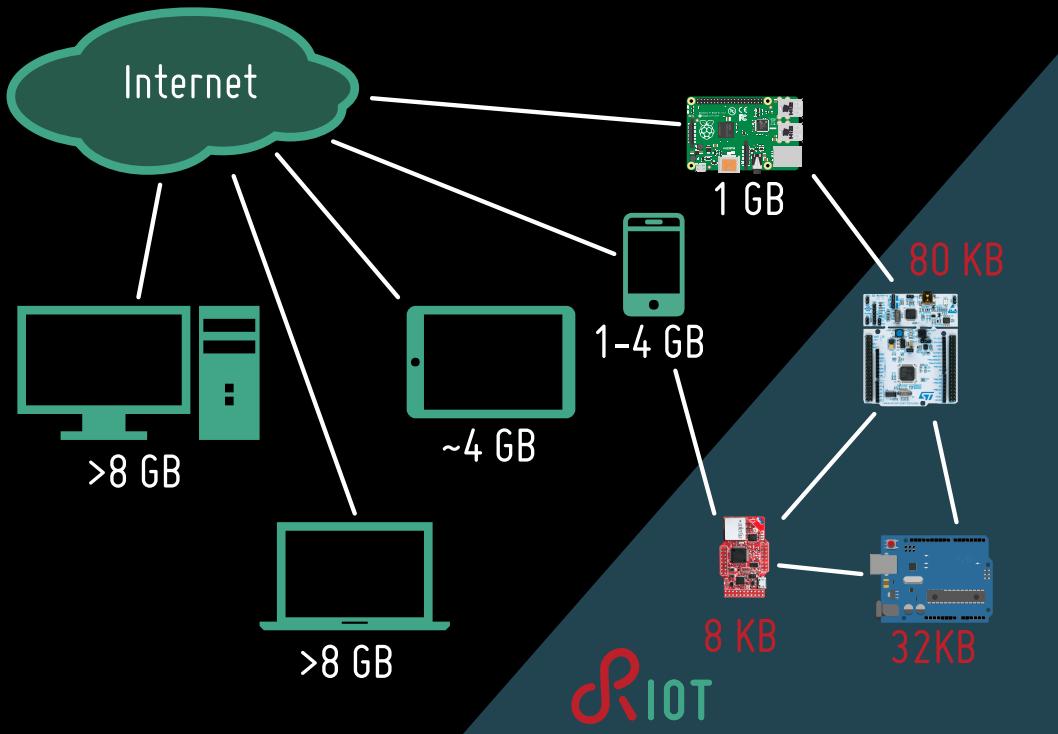
IoT today



Our vision



Why a dedicated IoT OS?



Why a dedicated IoT OS?

“If your device cannot run Linux, run RIOT!”

What does RIOT bring to me?

Tooling around RIOT



GDB

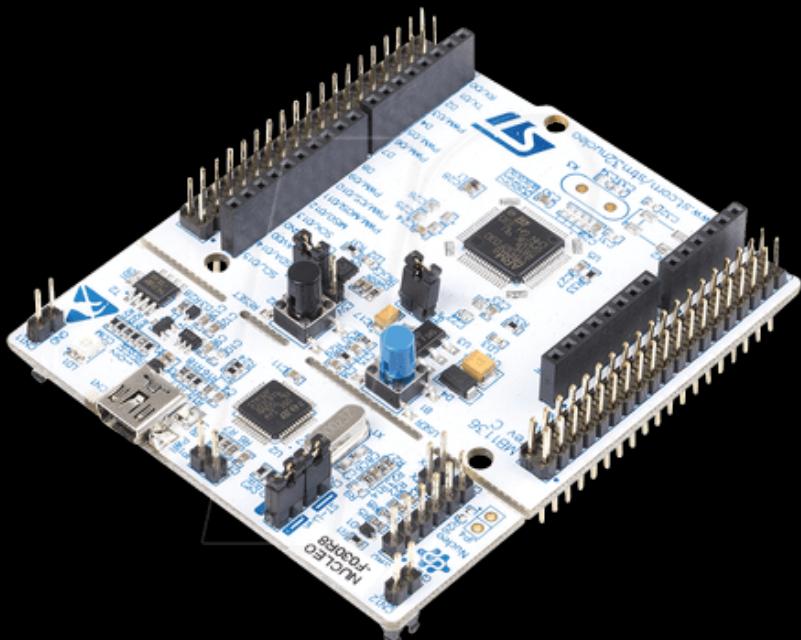
Valgrind



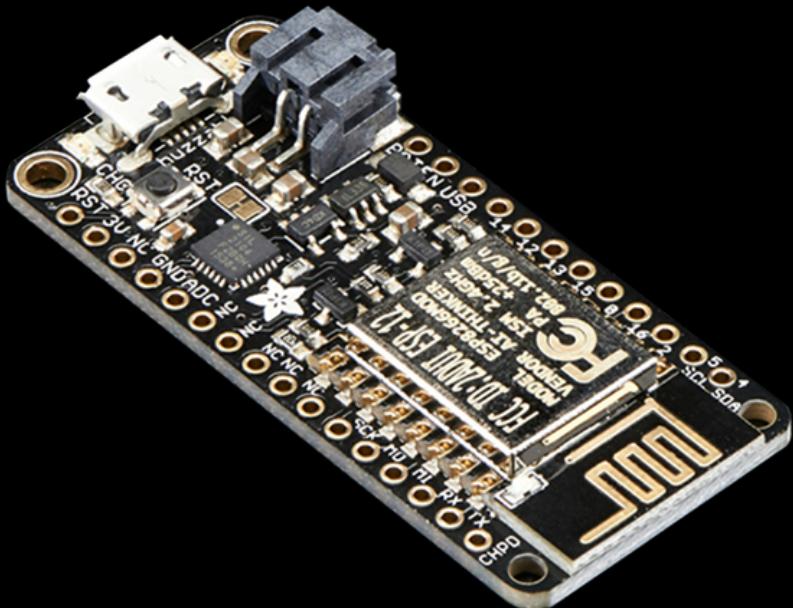
Variety of platforms supported



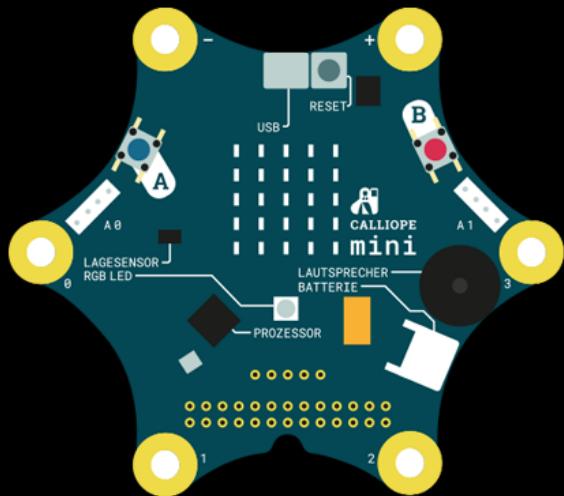
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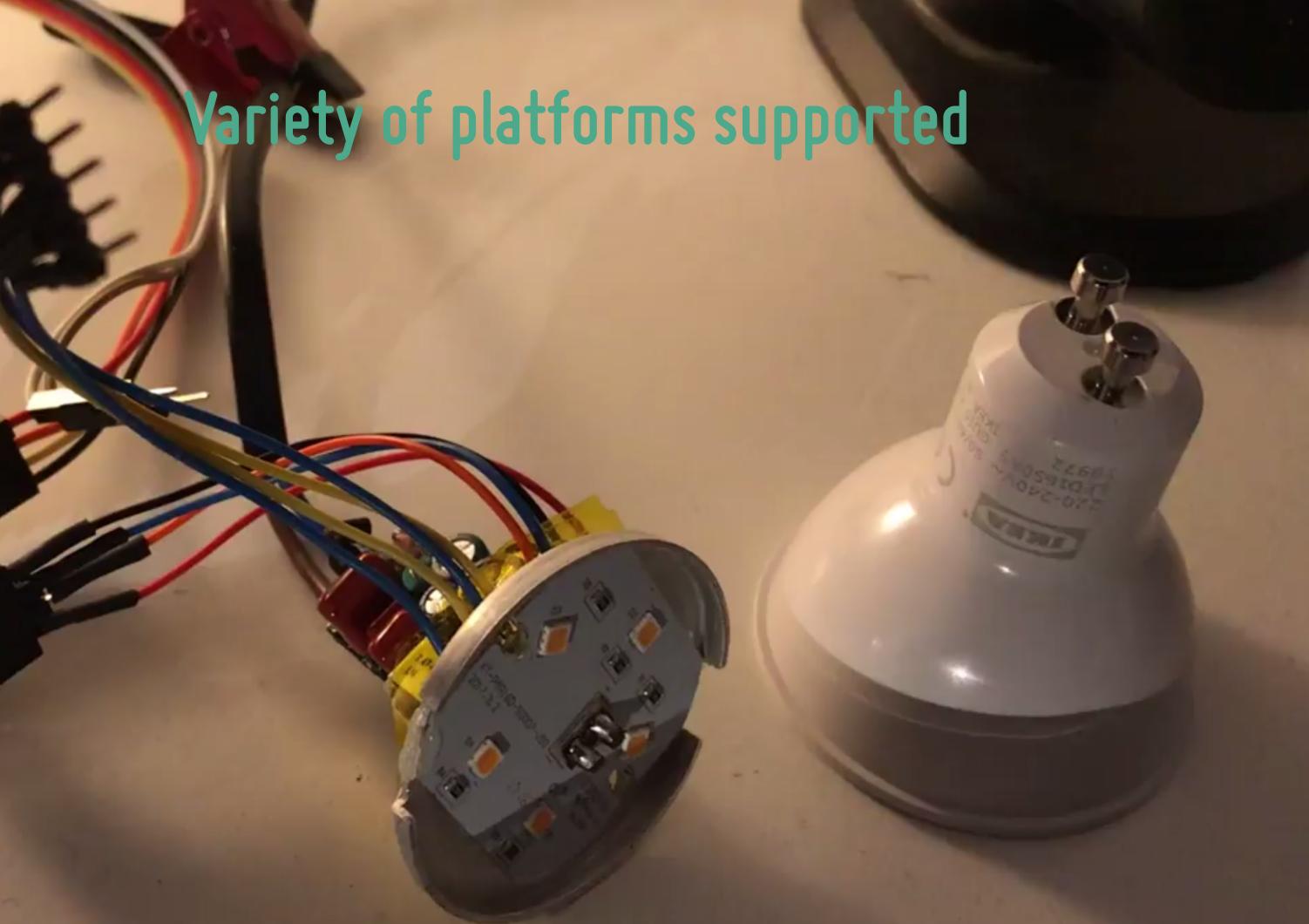
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Variety of platforms supported



Some of RIOT's features

- Real-time capable kernel architecture
- Highly configurable, modular design from ground up
- Partly POSIX-compliant API
- Fully-featured IPv6 network stack
- JavaScript support (via JerryScript interpreter)
- Support for third-party software via BSD-ports like package management

Getting started

- <https://riot-os.org/>
- <https://api.riot-os.org/>
- <https://github.com/RIOT-OS/Tutorials>
- Mailinglists:
 - devel@riot-os.org
 - users@riot-os.org
 - security@riot-os.org

