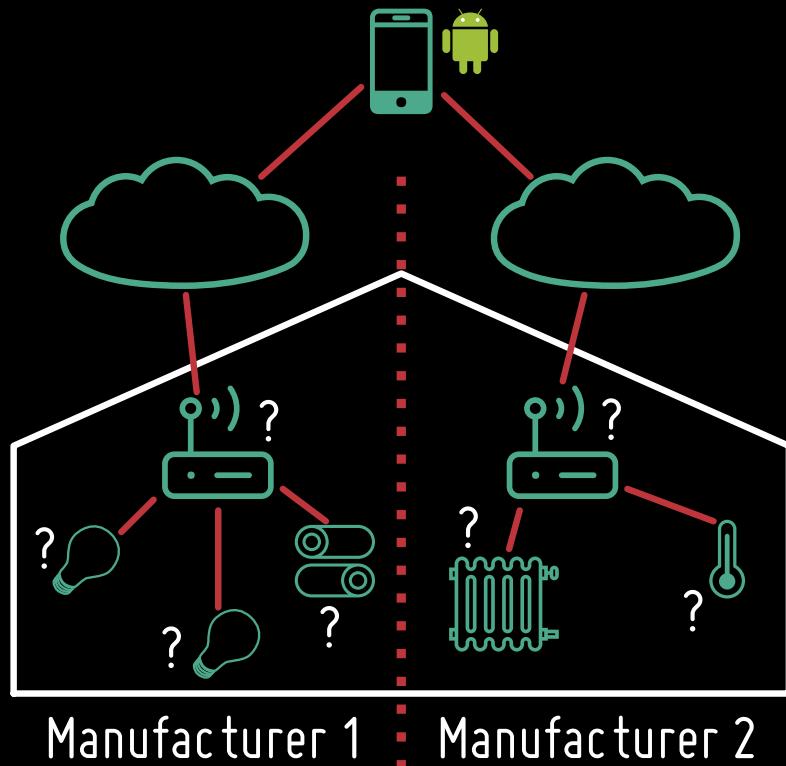


The friendly OS for the IoT

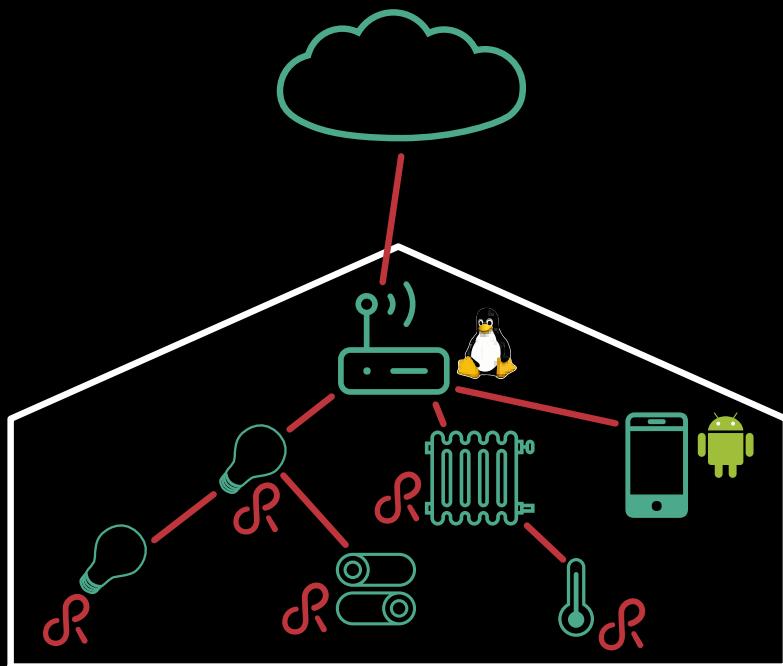
Martine Lenders (m.lenders@fu-berlin.de)

Why RIOT?

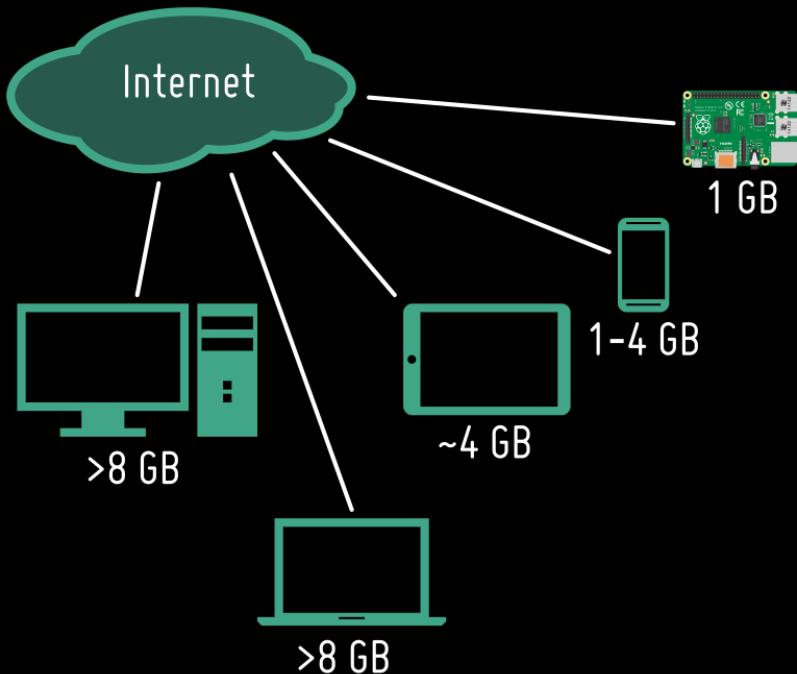
IoT today



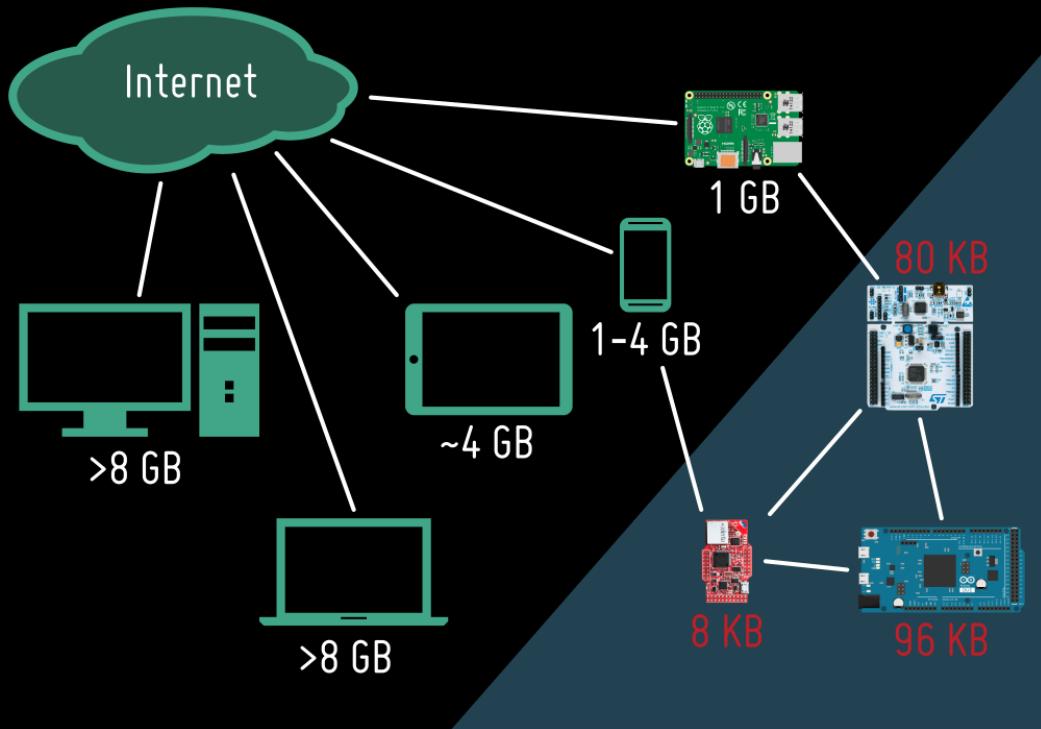
Our vision



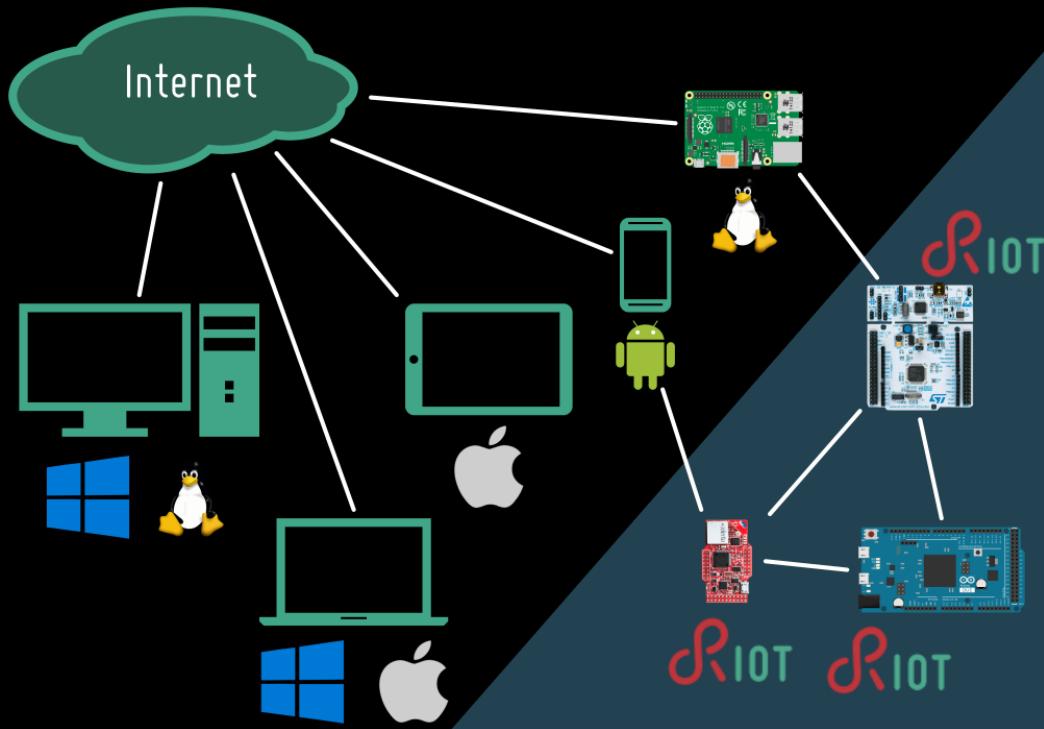
Why a dedicated IoT OS?



Why a dedicated IoT OS?



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

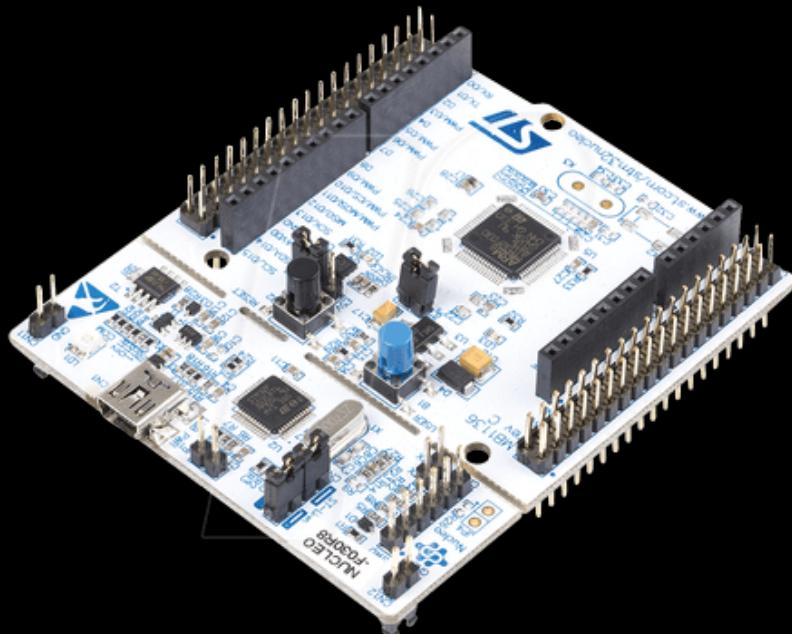


Valgrind

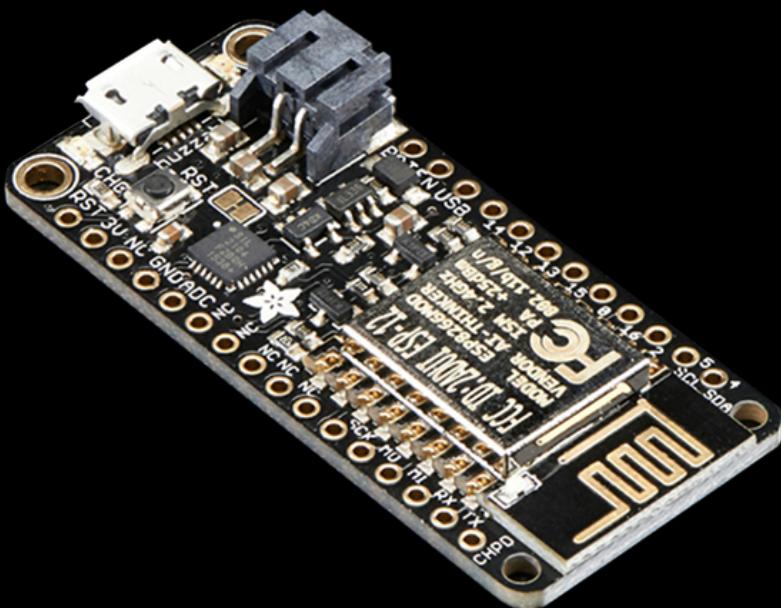
Variety of platforms supported



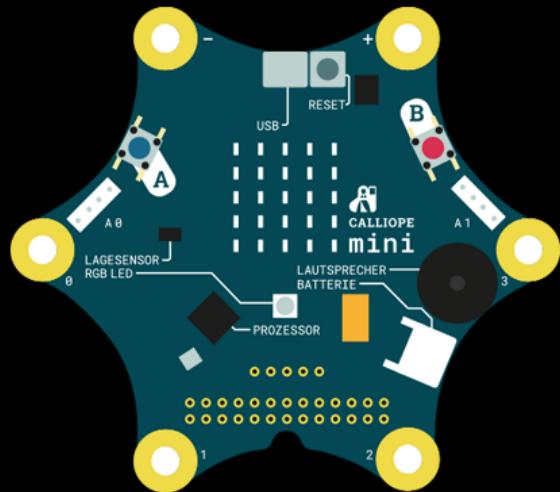
Variety of platforms supported



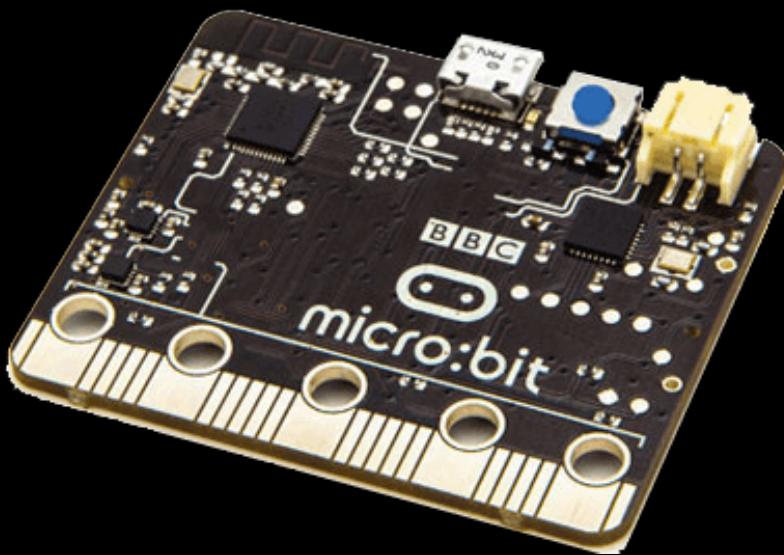
Variety of platforms supported



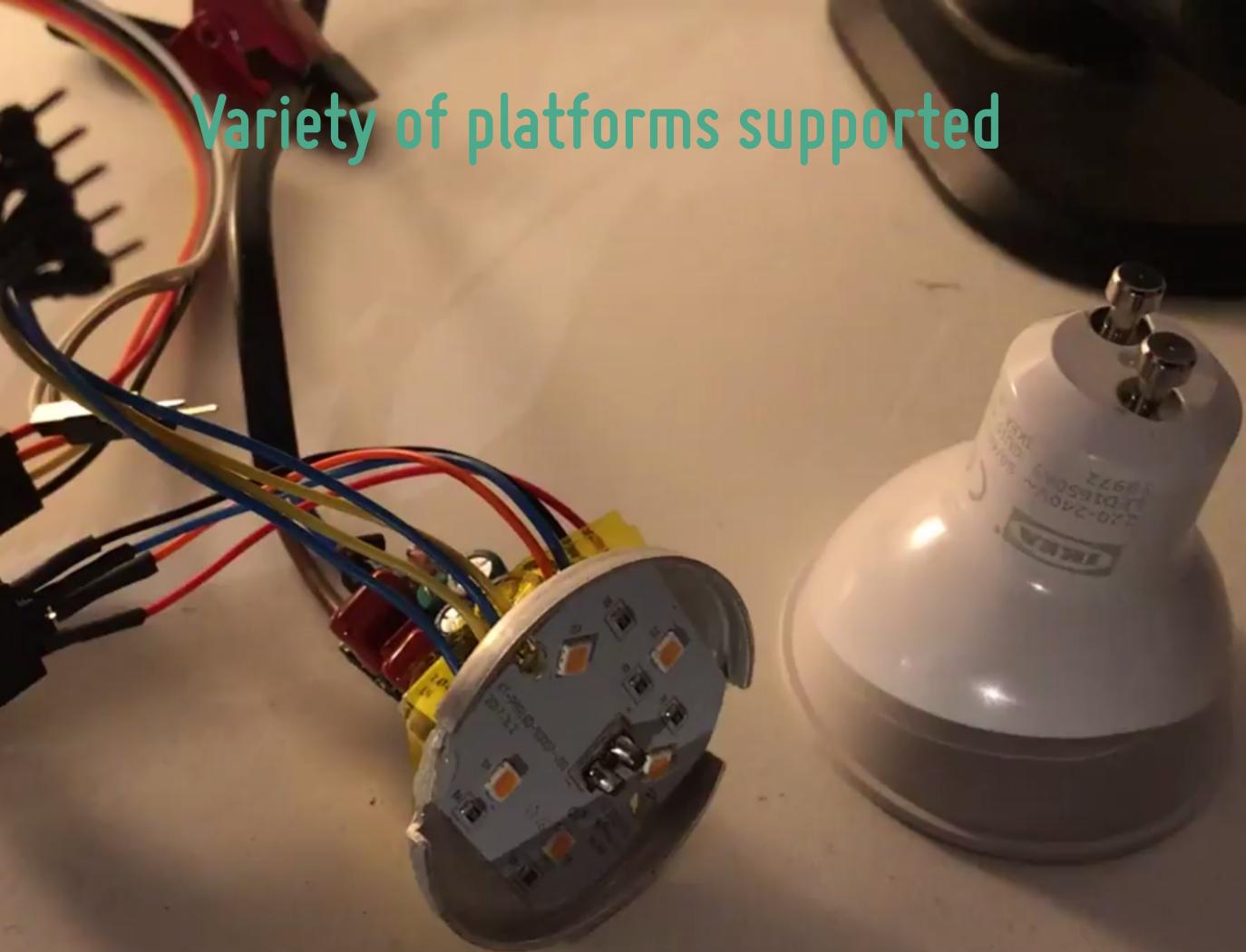
Variety of platforms supported



Variety of platforms supported



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

