

# RIOT

The Friendly Operating System for the IoT

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1. What is RIOT?

2. Why RIOT?

3. RIOT today

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# What is RIOT?

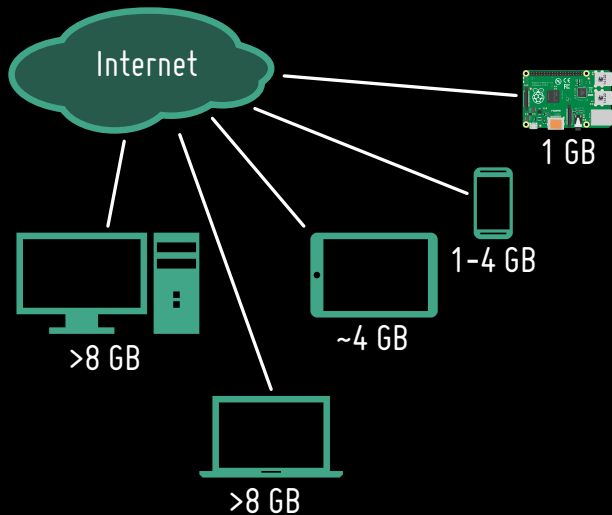
- Free operating system for
  - Embedded systems
  - The Internet of Things (IoT)
- Real-time capable micro-kernel
- Open Software, Open Standards (close ties between RIOT and IETF community)
- >98% of code-base in C
- On application level:
  - C++ support (incl. rudimentary Arduino-like API)
  - (Micro-)Python and Rust support pending

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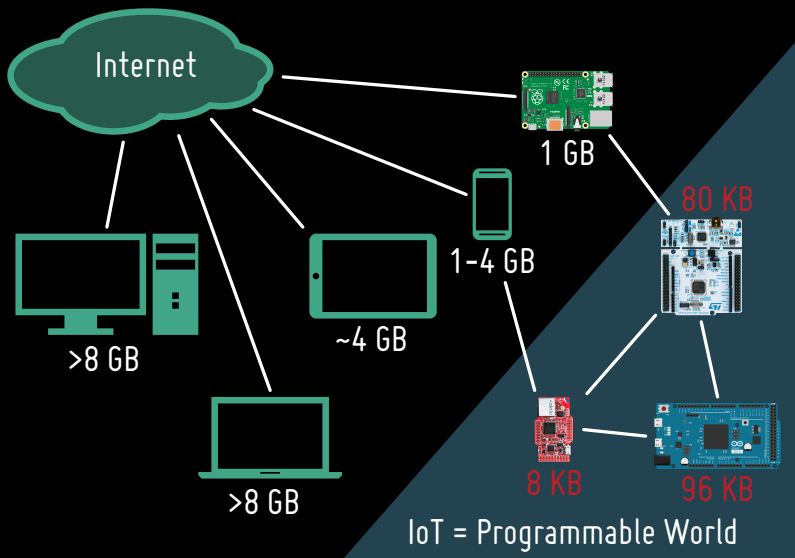
2. Why RIOT?

3. RIOT today

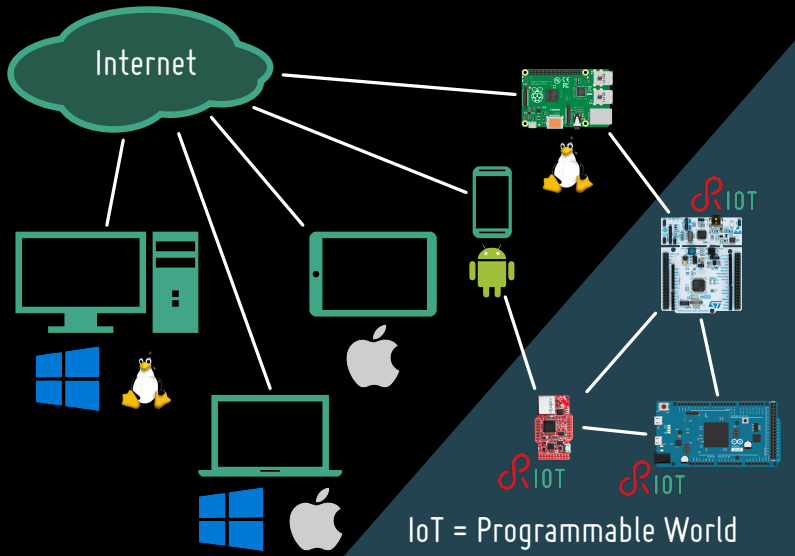
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# RIOT today

- >150 contributors world-wide
- Contributions from
  - industry
  - academia
  - makers/tinkerers
- 1st RIOT community summit in June 2016, next one pending September 2017
- Support for various CPU architectures:
  - ARM Cortex-M / ARM7
  - TI MSP430
  - Atmel AVR (Arduino)
  - (x86)