Team netdev

Reminder: Week goals

Martine

- Helping hand for netdev / GNRC
- Side-project: GNRC integration of gnrc_netif2

Kai

- Porting SiLabs Mighty Gecko for IEEE 802.15.4
- ICMPv6-ping with Dimitri's nrf52 radio

Dimitri

- Porting nrf52 radio for IEEE 802.15.4
- ICMPv6-ping with Kai's Mighty Gecko



Martine

- All device types ported to new NIC API (gnrc_netif2)
- GNRC (except old NC and NDP) ported to new (gnrc_netif2)
- As unintrusively as possible (lot's of [temporary] #ifdefs for now :-/)

60 files changed, 7328 insertions(+), 58 deletions(-)

- Estimate: without all the #ifdefs
 - more deletions than insertion (yay cleanup ^^")



Aim for the Hackathon

- Meet people!
- Get introduction to RIOT hacking
- What are the current "building sites"?

Aim for the week

- Radio driver for Silicon Labs EFR32MG1 (aka. Migthy Gecko)
- Basic send and receive
- Exchange packages with Dimitri



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If cats can do it, it must be easy



Aim for the Hackathon

My week:

Meet people!

```
• Get introduction to PIOT backing

• What 2017-07-28 09:28:12,584 - INFO # RX Data loaded

• What 2017-07-28 09:28:12,727 - INFO # steep transmit
sites" 2017-07-28 09:28:12,728 - INFO # Steep transmit
2017-07-28 09:28:12,729 - INFO # FSF/FAR:

Aim for the 2017-07-28 09:28:12,729 - INFO # CFSR: 0x000020000

• Radio 2017-07-28 09:28:12,729 - INFO # HFSR: 0x40000000

EFR32 2017-07-28 09:28:12,733 - INFO # AFSR: 0x000000000

EFR32 2017-07-28 09:28:12,733 - INFO # Misc

• Basic $2017-07-28 09:28:12,734 - INFO # EXC RET: 0xfffffff1
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Exchange packages with Dimitri

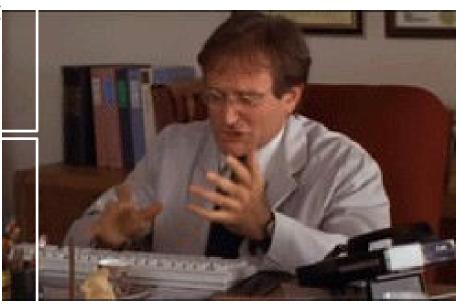


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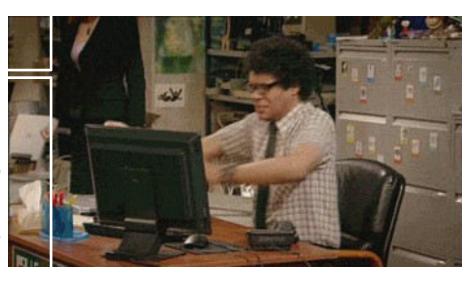


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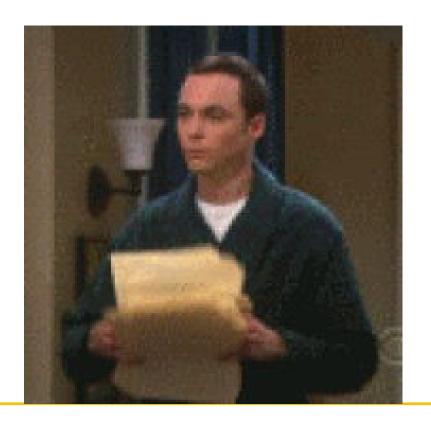


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GI-Dagstuhl Seminar 17303, July 23-28, 2017 IoT Hackathon: From Research to Practice

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Next steps

- Try again!
- But first
 - Port RFR32 support to current RIOT version
 - (Update Bas python scripts?)
 - Add Silicon Labs SDK as RIOT package



Dimitri

- ICMPv6-ping between nrf52 and samr21-xpro possible
- nrf52 stops sending after a short while
- Opened pull-request #7425