

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 ^^“)



Kai and the Migthy Gecko!

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



Kai and the Migthy Gecko!

Aim for the Hackathon

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

My week:

Aim for the week

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



Kai and the Migthy Gecko!

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

My week:

**If cats can do it, it must
be easy**



Kai and the Mighty Gecko!

Aim for the Hackathon

- Meet people!
- Get introduction to PIOT hacking
- What sites“?

My week:

Aim for the

- Radio EFR32
- Basic s
- Exchange packages with Dimitri

```
2017-07-28 09:28:12,583 - INFO # RX Data loaded
2017-07-28 09:28:12,584 - INFO # Started transmit
2017-07-28 09:28:12,727 - INFO # sleep transmit
2017-07-28 09:28:12,728 - INFO # Stack pointer corrupted, reset to top of stack
2017-07-28 09:28:12,729 - INFO # FSR/FAR:
2017-07-28 09:28:12,729 - INFO # CFSR: 0x00020000
2017-07-28 09:28:12,729 - INFO # HFSR: 0x40000000
2017-07-28 09:28:12,729 - INFO # DFSR: 0x00000000
2017-07-28 09:28:12,733 - INFO # AFSR: 0x00000000
2017-07-28 09:28:12,733 - INFO # Misc
2017-07-28 09:28:12,734 - INFO # EXC_RET: 0xffffffff1
```



Kai and the Mighty Gecko!

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. Mighty Gecko)
- Basic send and receive
- Exchange packages with Dimitri

My week:



Kai and the Mighty Gecko!

Aim for the Hackathon

- Meet people!
- Get introduction to PIOT hacking
- What sites“?

My week:

Aim for the

- Radio EFR32
- Basic s
- Exchange packages with Dimitri

```
2017-07-28 09:28:12,583 - INFO # RX Data loaded
2017-07-28 09:28:12,584 - INFO # Started transmit
2017-07-28 09:28:12,727 - INFO # sleep transmit
2017-07-28 09:28:12,728 - INFO # Stack pointer corrupted, reset to top of stack
2017-07-28 09:28:12,729 - INFO # FSR/FAR:
2017-07-28 09:28:12,729 - INFO # CFSR: 0x00020000
2017-07-28 09:28:12,729 - INFO # HFSR: 0x40000000
2017-07-28 09:28:12,729 - INFO # DFSR: 0x00000000
2017-07-28 09:28:12,733 - INFO # AFSR: 0x00000000
2017-07-28 09:28:12,733 - INFO # Misc
2017-07-28 09:28:12,734 - INFO # EXC_RET: 0xffffffff1
```



Kai and the Migthy Gecko!

Aim for the Hackathon

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

My week:

Aim for the week

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



Kai and the Mighty Gecko!

Aim for the Hackathon

- Meet people!
- Get introduction to PIOT hacking
- What sites“?

My week:

Aim for the

- Radio EFR32
- Basic s
- Exchange packages with Dimitri

```
2017-07-28 09:28:12,583 - INFO # RX Data loaded
2017-07-28 09:28:12,584 - INFO # Started transmit
2017-07-28 09:28:12,727 - INFO # sleep transmit
2017-07-28 09:28:12,728 - INFO # Stack pointer corrupted, reset to top of stack
2017-07-28 09:28:12,729 - INFO # FSR/FAR:
2017-07-28 09:28:12,729 - INFO # CFSR: 0x00020000
2017-07-28 09:28:12,729 - INFO # HFSR: 0x40000000
2017-07-28 09:28:12,729 - INFO # DFSR: 0x00000000
2017-07-28 09:28:12,733 - INFO # AFSR: 0x00000000
2017-07-28 09:28:12,733 - INFO # Misc
2017-07-28 09:28:12,734 - INFO # EXC_RET: 0xffffffff1
```



Kai and the Migthy Gecko!

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

My week:



Kai and the Migthy Gecko!

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

My week:



Kai and the Mighty Gecko!

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. Mighty Gecko)
- Basic send and receive
- Exchange packages with Dimitri

My week:



Kai and the Migthy Gecko!

Aim for the Hackathon

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

Next steps

Aim for the week

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



Kai and the Mighty Gecko!

Aim for the Hackathon

- Meet people!
- Get introduction to RIOT hacking
- What are the current „build sites“?

Next steps

Aim for the week

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



Kai and the Mighty Gecko!

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. Mighty Gecko)
- Basic send and receive
- Exchange packages with Dimitri

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

