

The friendly operating system for the
IoT!



Oliver «Oleg» Hahm
www.riot-os.org

6LoWPAN/gnrc stack

- work on 6LoWPAN border router
- basis for co-existence of multiple ND implementations drawn
- time-killer: mostly bug fixing of pre-existing bugs
- some adoptions of AODVv2 to gnrc stack
- running Ipv6 on my Jolla phone
- also participated with our port of OpenWSN in the 6TiSCH plugtest

ICN/ccn-lite

- Planned to something « cool » with latest ccn-lite on top RIOT
- Worked and discussed with Jeff from UCLA and Christian, the main developer of ccn-lite during the hackathon
- First successful content retrieval with current ccn-lite version on RIOT
- More cooperation with Jeff and Christian is planned for future

homenet/hnetd

- Analyzed requirements of existing open source implementation : hnetd
 - too big for IoT devices
 - started a new, from scratch implementation of HNCP and DNCP in RIOT
- have: simple req-response for node-state-request and node-state TLVs
- have: TLV data store for nodes
- next: implement protocol logic for DNCP
- conclusion: lot's of fun, blablabla, fun working together with other projects (-> homenet guys)



RIOT