

IETF Hackathon

IETF 93, July 18-19,
Prague, Czech Republic

Note Well

- Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:
 - The IETF plenary session
 - The IESG, or any member thereof on behalf of the IESG
 - Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
 - Any IETF working group or portion thereof
 - Any Birds of a Feather (BOF) session
 - The IAB or any member thereof on behalf of the IAB
 - The RFC Editor or the Internet-Drafts function
- All IETF Contributions are subject to the rules of [RFC 5378](#) and [RFC 3979](#) (updated by [RFC 4879](#)).
- Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult [RFC 5378](#) and [RFC 3979](#) for details.
- A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.
- A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

Goals

- Running Code ([RFC 6982](#))
- Open Source
- Speed and Relevance of Standards
- Collaborate and Learn
- Have Fun
- Cookies!!!

Technologies

- Authentication and Authorization for Constrained Environments (ACE)
- BIER (Bit Index Explicit Replication)
- DANE / DNS Privacy / DNSSEC
- DHCPv6 (Dynamic Host Configuration Protocol for IPv6)
- HOMENET – auto config for IPv6 routed home networks
- HTTP/2.0
- NETCONF/YANG, I2RS, OpenDaylight
- NETVC (Internet Video Codec) and Daala, Thor
- MPTCP (Multi-Path TCP)
- OpenWSN/6TiSCH/Cryptech: implementing Internet of (Important) Things
- RPKI (Resource Public Key Infrastructure)
- RIOT (OS for internet of things)
- SCTP (Stream Control Transmission Protocol)
- SFC in OpenDaylight
- SPUD (Substrate Protocol Underneath Datagrams)

Collaborate on Code

<https://github.com/eckelcu/ietf-hackathon>

- Git/GitHub commonly used for open source projects
- Getting started:
 - Install Git on laptop
<https://help.github.com/articles/set-up-git/>
 - Join Hackathon repo
<https://github.com/eckelcu/ietf-hackathon>
 - Working on existing project, or add a new one, by forking
<https://help.github.com/articles/fork-a-repo/>
 - “Follow” team members and “watch” project(s)
<https://help.github.com/articles/be-social/>
- More info: <http://gitref.org>

Agenda - Saturday

- 09:00: Room opens, pastries & coffee
- 09:30: Overview of technologies, form teams
- 12:00: Lunch
- 15:00: Snack break
- 18:30: Progress check
- 19:00: Dinner
- 21:00: Room locked

Agenda - Sunday

- 09:00: Room opens, pastries and coffee
- 12:00: Lunch
- 15:00: Hacking stops, prepare presentations
- 15:00: Snack break
- 16:00: Present projects
- 17:00: Winners announced, prizes given
- 17:30: Recap and suggestions for IETF 94
- 18:00: Tear down

Judges

- Advance pace and relevance of IETF standards
 - Bring speed and collaborative spirit of open source software into the IETF
 - Flush out ideas, feed into WG session
 - Produce sample code/reference implementations
 - Create useful utilities
- Attract developers, young people to IETF
 - There's cool shit at IETF
 - #IETFhackathon, #IETF93

Bits-N-Bites

- Table for Hackathon Projects
- Show off what you did
- Thursday, 19:15 – 21:15
- Congress Hall Foyer
- Food and drinks provided

#IETFhackathon Photo Contest

- Best IETF Hackathon Photo
- Post to Twitter

#IETFhackathon

#IETF93

Let's Get Hacking!

