

IETF Hackathon

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

Note Well

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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
- MPTCP (Multi-Path TCP)
- OpenWSN/6TiSCH: implementing Internet of (Important) Things
- RPKI
- 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!

