

IETF Hackathon

IETF 104
23-24 March, 2019
Prague



Welcome

- First IETF event?
- First IETF Hackathon?
- Not attending IETF meeting?

Why Are We Here

- 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, utilities
- Attract developers, young people to IETF
 - Match young, skillful developers with IETF veterans
 - University engagement around hackathon projects

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)



IPR and Code Contribution Guideline

- Hackathon participants free to work on any code
- Rules regarding that code are what each participant's organization and/or open source project says they are
- The code itself is NOT an IETF contribution
- Discussions, presentations, and demos done as part of the hackathon are the same type of IETF contributions as those made in working groups; therefore, the usual IETF copyright and/or IPR disclosure rules apply

Agenda - Saturday

- 08:30: Room open for setup by project champions
- 09:00: Room open for all - Pastries and coffee provided
- 09:30: Hackathon kickoff ([Join via Meetecho](#))
- 09:45: Form Teams
- 12:30: Lunch provided
- 15:30: Afternoon break - Snacks provided
- 19:00: Dinner provided
- 22:00: Room closes

Agenda - Sunday

- 08:30: Room opens - Pastries and coffee provided
- 12:30: Lunch provided
- 13:30: Hacking stops, prepare brief presentation of project
- **14:00: Project presentations to other participants
(Join via Meetecho)**
- 15:45: Closing remarks and opportunities for next time
- 16:00: Hackathon ends
- 17:00: Tear down complete

Project Presentations

1. What problem you tried to solve?
2. What you achieved?
3. Highlights
 - Lessons learned
 - Feedback to work group
 - Open source, other SDOs

3 minute time limit



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

 IETF-Hackathon

Repository for sharing code, presentations, and other artifacts at IETF hackathons

✉️ hackathon@ietf.org

Repositories 14 People 56 Teams 0 Projects 0 Settings

Pinned repositories

Customize pinned repositories

| | | |
|---|---|---|
|  ietf104-project-presentations ≡ Presentations of project results at end of hackathon ★ 2 ⚡ 1 |  delaydns ≡ ● C ★ 4 |  smartcards4dnssec ≡ Code to allow stock BIND to use smartcards ● C ★ 1 ⚡ 1 |
|  webrtc-e911-psap ≡ WebRTC Emergency Services with Indoor Location ● JavaScript ★ 1 ⚡ 5 |  Yang-Catalog ≡ Yang Catalog ● Python ★ 1 ⚡ 1 |  mDNSResponder ≡ ● C ★ 1 |

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



IETF-Hackathon

Repository for sharing code, presentations, and other artifacts at IETF hackathons

✉️ hackathon@ietf.org

Repositories 14

People 56

Teams 0

Projects 0

Settings

Pinned repositories

Customize pinned repositories

ietf104-project-presentations

Presentations of project results at end of
hackathon

2 1

delaydns

C 4

smartcards4dnssec

Code to allow stock BIND to use smartcards

C 1 1

webrtc-e911-psap

WebRTC Emergency Services with Indoor
Location

JavaScript 1 5

Yang-Catalog

Yang Catalog

Python 1 1

mDNSResponder

C 1



eckelcu emphasize need to be a member to upload prezo

000f97a 3 minutes ago

1 contributor

10 lines (5 sloc) | 991 Bytes

Raw

Blame

History



ietf104

This repo is for IETF hackathon participants to upload their hackathon project presentations. The contents of this repo will be used as the source for all project presentations at the end of the hackathon. Presentations will be presented from a shared ChromeBook at the front of the hackathon room.

You ~~some~~ **MUST** be a [member](#) of the [IETF-Hackathon GitHub org](#) to upload a new presentation or update/replace an existing presentation.

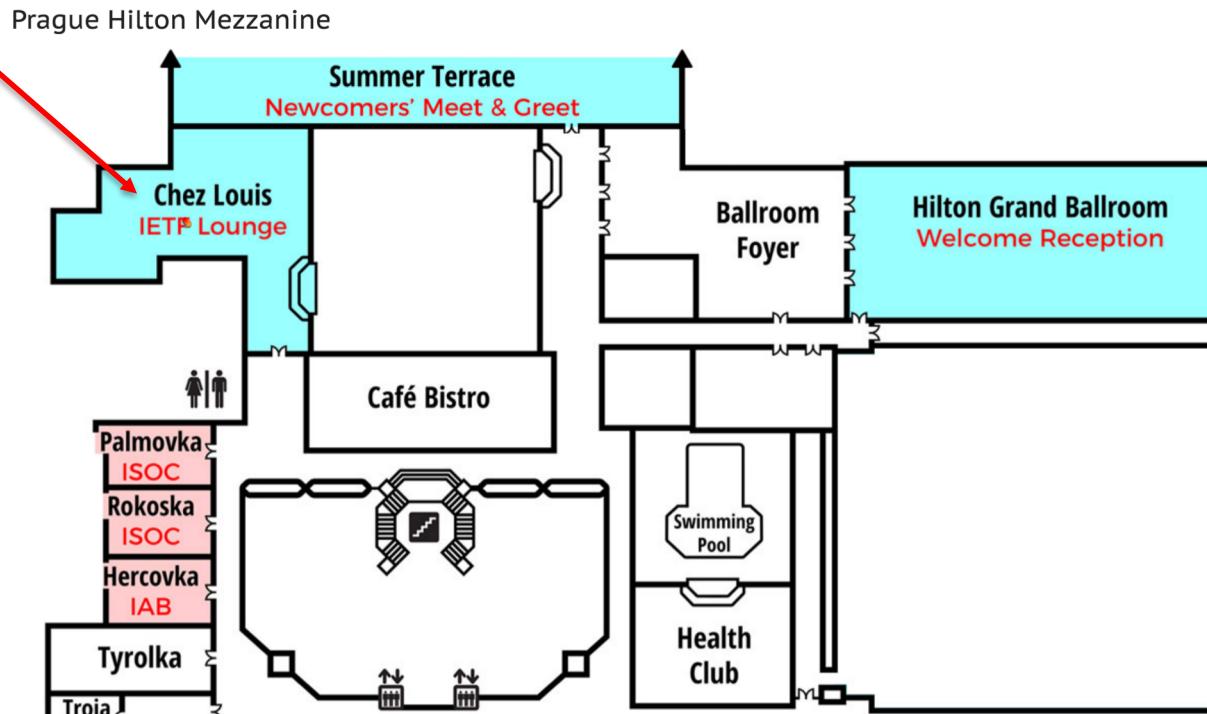
To be added as a member, send your GitHub ID to [Charles Eckel](#) at your earliest convenience. **DO NOT WAIT** until just before hackathon project presentations start or your request may be lost in the chaos.

For more info on the hackathon, including the complete and updated agenda, please see the [Hackathon Wiki](#).

Hackdemo Happy Hour

Mezzanine Floor, Chez Louis

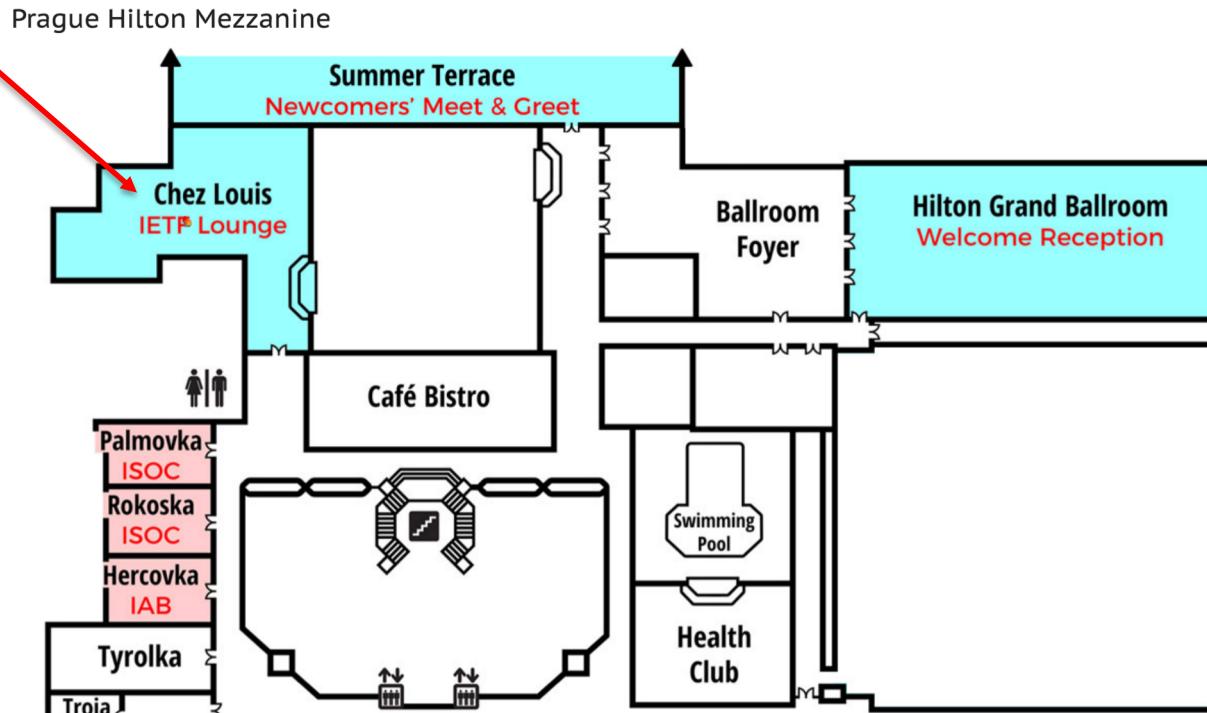
- Share hackathon projects with IETF Community
- Monday 1830 - 2000
- Register your team
 - MUST REGISTER BY 1200 MONDAY



Code Lounge

Mezzanine Floor, Chez Louis

- Space reserved in lounge all week
- Collaborate on running code
- Schedule time for your team



THANK YOU!

ORACLE®

Cloud Infrastructure



DEVNET
developer.cisco.com

Jim Martin



Spread the News

- Post to Twitter
#IETFHackathon
#IETF104

retweeted by 3 others and 1 other Retweeted

NetBlocks.org  @netblocks · 4 Nov 2018

Human rights protocol review and implementation at #IETF103: Presenting a decentralized method to measure DNS controls via #DoH #RFC8484 developed at the #IETFHackathon, with Christine Runnegar, @atoker & @GurshabadGrover [netblocks.org/news/rights-an...](#)



FIXING YOUR PROTOCOL FOR HUMAN RIGHTS

NETBLOCKS.ORG MAPPING INTERNET FREEDOM THE INTERNET FOR & SOCIETY

DNS OVER HTTPS: OBSERVING C DNS FILTERS WITH CLIENT MEASUREMENT

HRPC & PUBLIC INTEREST TECH IETF103 HACKATHON, BANGKOK, NOVEMBER 2018

ALP TOKER • GURSHABAD GROVER • CHRISTINE RUNNEGAR

OVER HTTPS – DECENTRALIZED MEASUREMENT ARCHITECTURE

HRPC & PUBLIC INTEREST TECHNOLOGY GROUP

3 19 29 29

Questions?



Let's Start Coding!



IETF Hackathon