

IETF Hackathon

IETF 102
14-15 July, 2018
Montreal



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

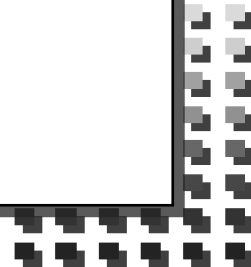
This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read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

- QUIC
- LPWAN CoAP/UDP/IPv6 SCHC compression and fragmentation
- DNSSD extensions for multi-link networks
- DNS/DNSSEC/DNS Privacy
- YANG/NETCONF/RESTCONF
- MEF EVC Service YANG Models in Unimgr Project of ODL
- RIFT LIEs
- Network Time Security (NTS)
- JSON Meta Application Protocol (JMAP)
- Security Automation and Continuous Monitoring (SACM)
- Control Plane and User Plane Separation BNG control channel Protocol (CUSP)
- Authentication and Authorization for Constrained Environments (ACE)
- WISHI (Work on IoT Semantic / Hypermedia Interoperability)
- Limited Usage of Remote Keys (LURK)
- TLS 1.3
- Software Update for IoT (SUIT)
- HTTP error code 451
- Human Rights Review Team
- MLS implementations
- DOTS Interop
- Interface to Network Security Functions (I2NSF) Framework
- Scalable, Privacy-preserving In-Network (SPIN Bit) Measurement
- YANG/CoMI
- NETVC

Project Presentations

1. What problem you tried to solve?
2. How you planned to solve it?
3. What you achieved?

Things to highlight

- Lessons learned
- Feedback to work group
- First time IETFers
- 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** 11

 **People** 32

 **Teams** 0

 **Projects** 0

 **Settings**

Pinned repositories

[Customize pinned repositories](#)

≡ [ietf102-project-presentations](#)

Presentations of project results at end of hackathon

≡ [delaydns](#)

● C ★ 3

≡ [smartcards4dnssec](#)

Code to allow stock BIND to use smartcards

● C ★ 1 🍴 1

≡ [webrtc-e911-psap](#)

WebRTC Emergency Services with Indoor Location

● JavaScript ★ 1 🍴 4

≡ [Yang-Catalog](#)

Yang Catalog

● Python ★ 1 🍴 1

≡ [ietf101-project-presentations](#)

Presentations of project results at end of hackathon

● HTML ★ 6 🍴 4

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<https://github.com/IETF-Hackathon/ietf102-project-presentations>

Presentations of project results at end of hackathon <https://www.ietf.org/how/runningcode/...>

Edit

ietf hackathon Manage topics

6 commits

1 branch

0 releases

1 contributor

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download



eckelcu update for ietf 102

Latest commit 07a417f 8 minutes ago



README.md

Update README.md

17 minutes ago



hackathon-presentation-template.pptx

update for ietf 102

8 minutes ago



README.md

ietf102-project-presentations

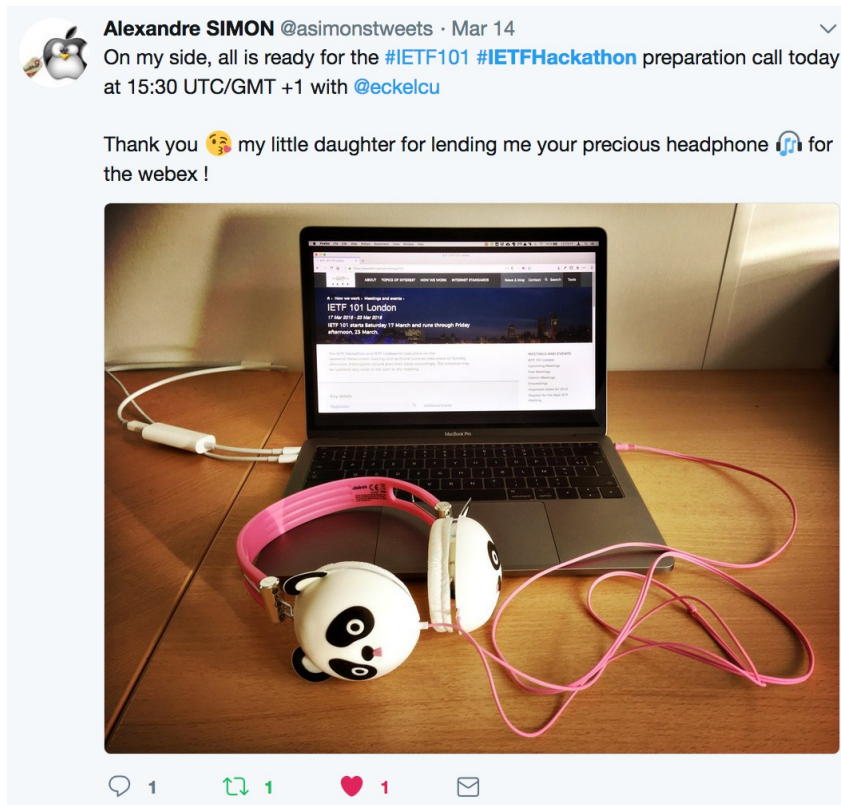
This repo is for IETF hackathon participants to upload their hackathon project presentations. The contents of this repo will be used as the source for all project presentations at the end of the hackathon. Presentations will be presented from a shared ChromeBook at the front of the hackathon room.

After the hackathon, the contents of this repo will be copied to the Hackathon page in the [datatracker](#) such that they are associated with the IETF meeting materials.

You 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.

Spread the News

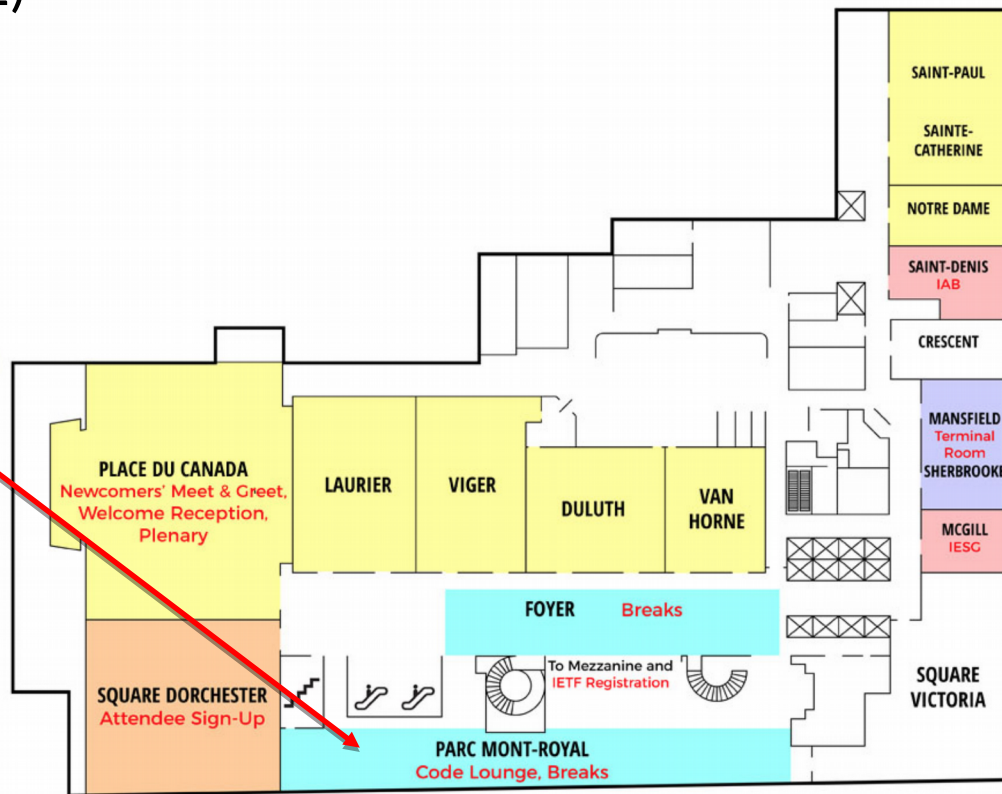
- Post to Twitter
#IETFHackathon
#IETF102



Code Lounge

2nd Floor / Convention Floor (2)

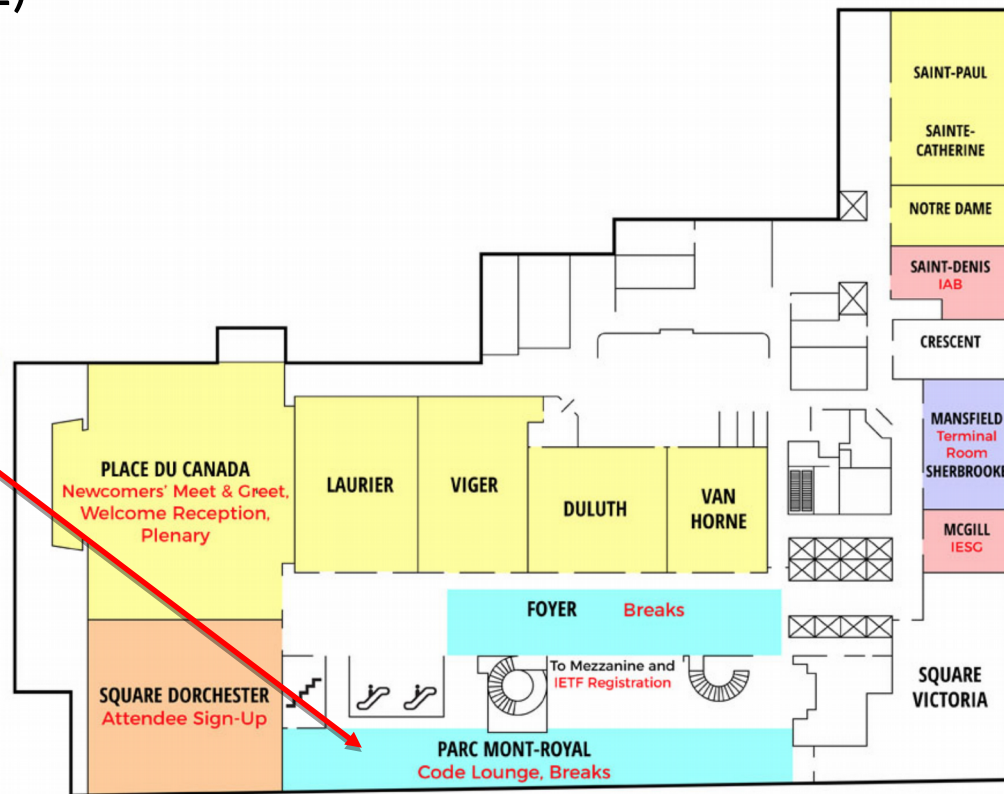
- Space reserved in lounge all week
- Collaborate on running code
- Schedule time for your team



Hackdemo Happy Hour

2nd Floor / Convention Floor (2)

- Share hackathon projects with IETF Community
- Monday 1750-2010
- Code Lounge
- Register for space for your team
- **MUST REGISTER BY 1200 MONDAY**



THANK YOU!



NBCUniversal

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Questions?



Let's Start Hacking!

