

IETF Hackathon

IETF 106
Nov. 16-17, 2019
Singapore



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 Guidelines

- 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

Projects

- 38+ projects on the [Hackathon wiki](#)
- Not sure which project to join?

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wiki: [106hackathon / lost&found](#) Up | Start Page | Index | History

Hackathon Lost & Found

Are you a hackathon participant looking for a team to join?
Are you championing a hackathon project and in need of some specific expertise?
If you answered yes to either of these, you have come to the right place.

Participants looking for a team are encouraged to add themselves to the "Skills to Offer" table, providing some information about their skills and interests. This will help others with matching needs and/or interests find you.

Champions wanting help on their projects are encouraged to add themselves to the "Skills Needed" table, providing some information about the skills they seek.

Skills to Offer

Name	Email Address	Skills and/or interests you have to offer
Rahul JadHAV	rahul.ietf@gmail.com	Embedded Dev, Wireless Simulation Tools(NS3/Omnet++/Castalia), C/C++/Python, RPL/6Lo, TI SoCs, BLE/Lowpan/802.11/PLC
Michel Bonfim	michelsb@ufc.br	Java/Python?, OWL Ontologies, First-order logic and derivatives, Network Simulation/Emulator? Tools (NS3, Mininet), Docker, ELK Stack, Network Programmability (OpenFlow?, P4), Network Virtualization Overlays (VXLAN, GRE, LISP), Server Virtualization, YANG, Network technologies (SDN, NFV)
Carrick Bartle	cbartle891@icloud.com	Python, Java, C, TLS

Skills Needed

Name	Email Address	Skills your team needs
Dominique Barthel	dominique.barthel@...	Python3, micropython, embedded dev (see the LPWAN project on the Hackathon program page)

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 - Saturday

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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

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Project Presentations

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

3 minute max



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

The screenshot shows the GitHub repository page for "IETF-Hackathon". The page has a dark header with the GitHub logo, a search bar, and navigation links for Pull requests, Issues, Marketplace, and Explore. On the right, there are icons for notifications, a plus sign, and user profile. Below the header is a banner featuring a photo of people at a hackathon and the repository name. A brief description follows: "Repository for sharing code, presentations, and other artifacts at IETF hackathons". An email link "hackathon@ietf.org" is also provided. The main content area has tabs for Repositories (19), Packages, People (97), Teams, Projects, and Settings. The "Repositories" tab is selected. The page displays a grid of pinned repositories:

- ietf106-project-presentations**: Presentations of project results at end of hackathon. Forked from openwrt/openwrt. 1 commit, 2 stars, 3 forks.
- openwrt**: Forked from openwrt/openwrt. This repository is a mirror of <https://git.openwrt.org/openwrt/openwrt.git>. It is for reference only and is not active for check-ins or for reporting issues. We will continue to accept Pull Requests... 0 commits, 1 star, 1 fork.
- linux-user-space-ipv6-mcast**: Linux user-space code to join new ipv6 link-local multicast address. 0 commits, 1 star, 1 fork.
- mDNSResponder**: 0 commits, 24 stars, 3 forks.
- p4-ipv6-switch-ml**: p4-16 IPv6 program for use by switch ml. 4 commits, 4 stars, 1 fork.
- Yang-Catalog**: Yang Catalog. 1 Python file, 1 star, 1 fork.

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IETF-Hackathon

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

hackathon@ietf.org

Repositories 19 Packages People 97 Teams Projects Settings

Pinned repositories

Customize pinned repositories

ietf106-project-presentations
Presentations of project results at end of hackathon

openwrt
Forked from openwrt/openwrt
This repository is a mirror of <https://git.openwrt.org/openwrt/openwrt.git>. It is for reference only and is not active for check-ins or for reporting issues. We will continue to accept Pull Requests...

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Linux user-space code to join new ipv6 link-local multicast address

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Yang-Catalog
Yang Catalog

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Presentations of project results at end of hackathon

[Edit](#)[Manage topics](#)

4 commits

1 branch

0 packages

0 releases

1 contributor

Branch: master ▾

[New pull request](#)[Create new file](#)[Upload files](#)[Find file](#)[Clone or download ▾](#) eckelcu add presentation template

Latest commit c0562db 6 minutes ago

[README.md](#)

Update README.md

3 months ago

[hackathon-presentation-template.pptx](#)

add presentation template

6 minutes ago

[README.md](#)

IETF 106 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. **For best results, upload your presentation in PDF format.**

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.

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

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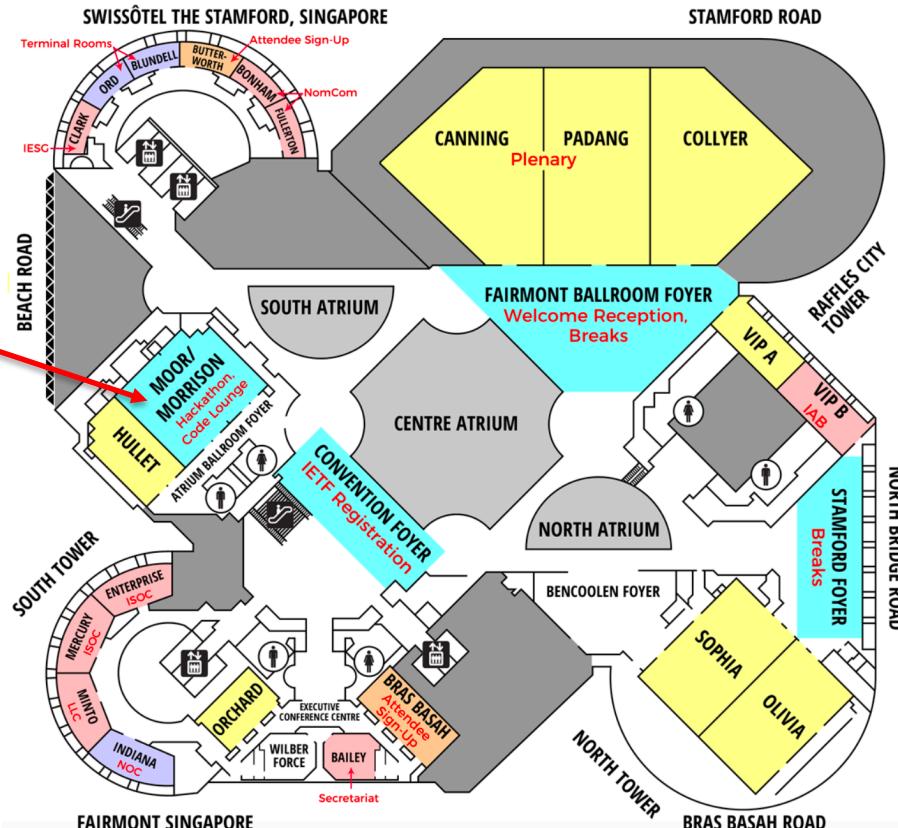
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Hackdemo Happy Hour

Room: Moor/Morrison

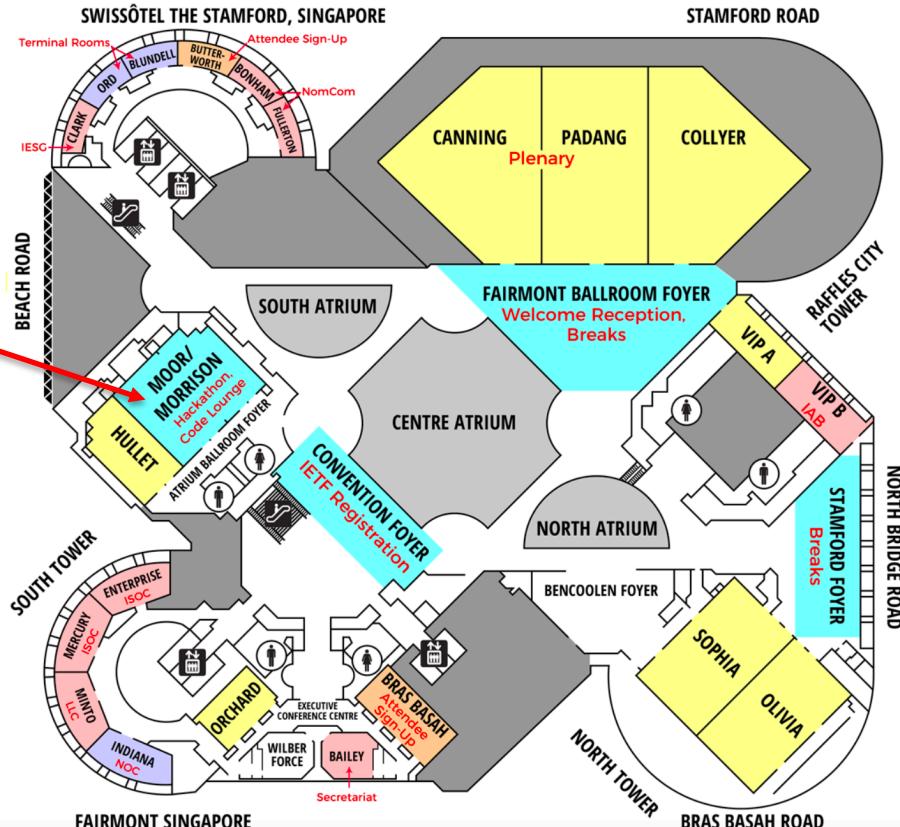
- Share hackathon projects with IETF Community
- Monday 18:10 - 19:40
- Register your team
 - MUST REGISTER BY 1200 MONDAY



Code Lounge

Room: Moor/Morrison

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



THANK YOU!



Questions?



Let's Start Coding!

