

IETF 117 Hackathon

22-23 July 2023

This session is being recorded

IETF 117 San Francisco
hosted by

NOKIA

Internet Engineering Task Force
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Production by Meetecho



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.

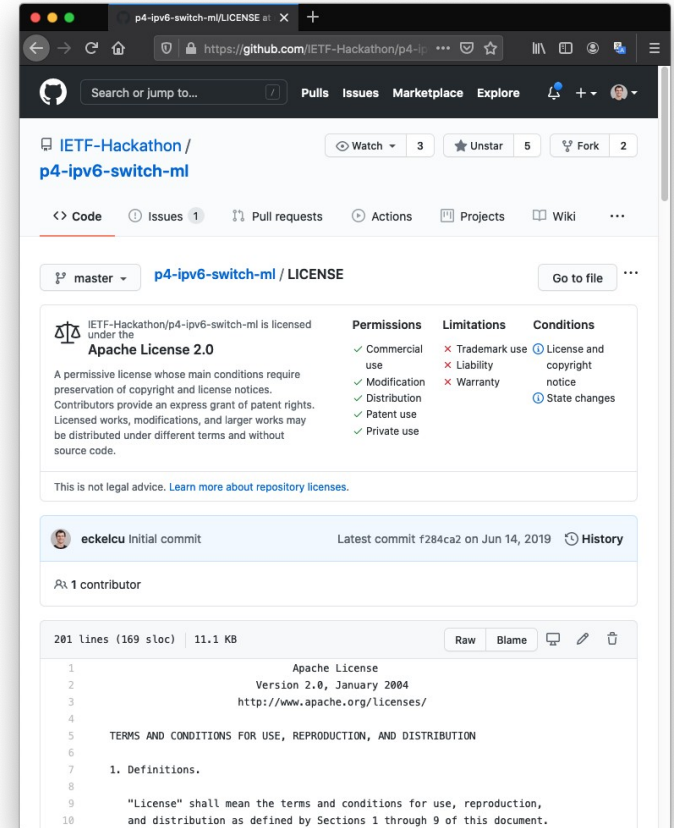
Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [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)



Code Contribution Guidelines

- Participants can work on any code
- Rules regarding code are per participant's organization and the code's license
- The code itself is NOT an IETF contribution
- Discussions, presentations, and demos in Hackathon are IETF contributions. In this context, Hackathon is like a working group, and the usual IETF copyright and IPR disclosure rules apply



The screenshot shows a GitHub repository page for 'p4-ipv6-switch-ml' under the 'IETF-Hackathon' organization. The page displays the 'LICENSE' file content, which is the Apache License 2.0. The license text includes the following sections:

- Permissions:** Commercial use, Modification, Distribution, Patent use, Private use.
- Limitations:** Trademark use, Liability, Warranty.
- Conditions:** License and copyright notice, State changes.

The license text also includes the following terms and conditions for use, reproduction, and distribution:

```
1 Apache License
2 Version 2.0, January 2004
3 http://www.apache.org/licenses/
4
5 TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
6
7 1. Definitions.
8
9 "License" shall mean the terms and conditions for use, reproduction,
10 and distribution as defined by Sections 1 through 9 of this document.
```

Agenda - Sunday

- **09:30** : Room opens - pastries and coffee provided
- **12:30** : Lunch provided
- **13:30** : Hacking stops, prepare brief presentation of project
- **14:00** : Project results presentations, [Meetecho](#)
- **16:00** : Hackathon ends



Results 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 minutes or less

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

Navigation bar for the GitHub organization page. It includes a search bar with the text "Type to search", a navigation menu with icons for Overview, Repositories (34), Projects (1), Packages, Teams, People (193), and Settings, and a profile picture of a user.



IETF-Hackathon

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

37 followers | hackathon@ietf.org

Follow

Pinned

Customize pins

ietf117-project-presentations (Public)
Project results presentations at end of Hackathon
HTML

pqc-certificates (Public)
Post-quantum cryptography certificates
Shell | 16 stars | 12 forks

mDNSResponder (Public)
C | 53 stars | 10 forks

View as: **Public**

You are viewing the README and pinned repositories as a public user.

You can [create a README file](#) visible to anyone.

[Get started with tasks](#) that most successful organizations complete.

Discussions

Set up discussions to engage with your community!

[Turn on discussions](#)

Repositories

Find a repository... | Type | Language | Sort | New

pqc-certificates (Public)
Post-quantum cryptography certificates
Shell | 16 stars | 12 forks | 8 watchers | 1 issue | Updated yesterday

ietf117-project-presentations (Public)
Project results presentations at end of Hackathon
HTML | 0 stars | 0 forks | 0 watchers | 0 issues | Updated on May 16

People



[View all](#)

[Invite someone](#)

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

Navigation bar for the GitHub profile of IETF-Hackathon. It includes a search bar with the text "Type to search", navigation icons for Overview, Repositories (34), Projects (1), Packages, Teams, People (193), and Settings.



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Discussions

Set up discussions to engage with your community!

[Turn on discussions](#)

People



[View all](#)

[Invite someone](#)

<https://github.com/IETF-Hackathon/ietf117-project-presentations>

IETF-Hackathon / ietf117-project-presentations

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

ietf117-project-presentations Public

main 2 branches 0 tags

Your main branch isn't protected

bjovereinder updated templates to ietf117		
✓ 85070ea	on May 16	2 commits
.github/workflows	initial commit ietf117 repo	2 months ago
README.md	initial commit ietf117 repo	2 months ago
presentation-template.html	updated templates to ietf117	2 months ago
presentation-template.pptx	updated templates to ietf117	2 months ago

README.md

IETF 117 project presentations

This repo is for IETF Hackathon participants to upload project presentations. For convenience, presentation

About

Project results presentations at end of Hackathon

Readme Activity 0 stars 6 watching 0 forks

Releases

No releases published

Packages

No packages published

<https://github.com/IETF-Hackathon/ietf117-project-presentations>

The screenshot shows the GitHub repository page for `IETF-Hackathon / ietf117-project-presentations`. The repository is public and has 2 branches and 0 tags. A notification states "Your main branch isn't protected". A commit by `bjovereinder` is shown, updating templates to ietf117. The file list includes `github/workflows`, `README.md`, `presentation-template.html`, and `presentation-template.pptx`. The README content is visible below the file list.

Repository Information:

- Repository: `ietf117-project-presentations` (Public)
- Branches: 2
- Tags: 0
- Unwatch: 6
- Fork: 0
- Star: 0

Commit History:

Author	Commit Message	Commit Hash	Date	Commits
<code>bjovereinder</code>	updated templates to ietf117	<code>85070ea</code>	May 16	2

File List:

File Name	Commit Message	Date
<code>github/workflows</code>	initial commit ietf117 repo	2 months ago
<code>README.md</code>	initial commit ietf117 repo	2 months ago
<code>presentation-template.html</code>	updated templates to ietf117	2 months ago
<code>presentation-template.pptx</code>	updated templates to ietf117	2 months ago

README Content:

IETF 117 project presentations

This repo is for IETF Hackathon participants to upload project presentations. For convenience, presentation

README

README.md



IETF 117 project presentations

This repo is for IETF Hackathon participants to upload project presentations. For convenience, presentation templates are provided in [PPTX](#) and [HTML](#) formats, the latter of which can be viewed [online](#) if it is put in the [main branch](#). For the HTML format, a corresponding [pdf](#) is automatically generated from the HTML file by a [GitHub action](#) and put in the [pdfs-from-html branch](#).

The use of these templates is optional. If you do use one of these templates, please rename the file such that it clearly identifies your project, e.g., includes the name or acronym of your project. The contents of this repo will be used as the source for all project presentations at the end of the Hackathon and remain as a reference after the Hackathon. Presenters are encouraged to run their own presentations using the screen sharing functionality in Meetecho. Alternatively, the Hackathon Chairs can share your presentation and advance slides for you. **For portability, please upload your presentation in PDF or HTML format.**

You MUST be a [member](#) of the [IETF-Hackathon GitHub org](#) to add or update a presentation.

To be added as a member, please be sure to:

- include the [name](#) by which you are known as part of your in your GitHub profile
- enable two-factor authentication ([2FA](#))
- send your GitHub username to hackathon-chairs@ietf.org

DO NOT WAIT until just before project presentations start or your request may be lost in the chaos.

For more info on the Hackathon, including the complete and most up to date agenda, please see the [Hackathon Wiki](#).

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Environments 1

[github-pages](#) Active

Languages

● HTML 100.0%

README

README.md



IETF 117 project presentations

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No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Environments 1

[github-pages](#) Active

Languages

● HTML 100.0%

related-implementations

- For individual drafts, authors can edit “Additional resources”
- For working group drafts and RFCs, working group chairs can edit

The screenshot shows the IETF Datatracker interface for the draft `draft-eckel-edm-find-code-02`. The page title is "Find Code Related to an Internet-Draft or RFC". The draft is currently in the "Status" of "Active Internet-Draft (individual)". The author is "Charles Eckel". The last updated date is "2023-01-10". The draft has three versions: 00 (Jul 2021), 01 (Jan 2022), and 02 (Jan 2023). The "Additional resources" section is highlighted with a red arrow from the text on the left. It contains an "Edit" button and a link to "Example implementation in RFC 9311 GitHub repository to collaborate on draft".

Document Type	Active Internet-Draft (individual)
Author	Charles Eckel ✉
Last updated	2023-01-10
RFC stream	(None)
Intended RFC status	(None)
Formats	txt html xml htmlized pdf bibtex
Additional resources	Edit Example implementation in RFC 9311 GitHub repository to collaborate on draft

related-implementations

Additional Resources

github_repo <https://github.com/eckelcu/draft-eckel-edm-find-code>
(GitHub repository to collaborate on draft)

related_implementations <https://datatracker.ietf.org/doc/rfc9311/>
(Example implementation in RFC 9311)

Format: 'tag value (Optional description)'. Separate multiple entries with newline. When the value is a URL, use https:// where possible.

Datatracker

Find Code Related to an Internet-Draft or RFC

draft-eckel-edm-find-code-02

Status | IESG evaluation record | IESG writeups | Email expansions

History

Versions:

00 | 01 | 02

draft-eckel-edm-find-code

00 Jul 2021 | 01 Jan 2022 | 02 Jan 2023

Document Type Active Internet-Draft (individual)

Author [Charles Eckel](#) ✉

Last updated 2023-01-10

RFC stream (None)

Intended RFC status (None)

Formats [txt](#) [html](#) [xml](#) [htmlized](#) [pdf](#) [bibtex](#)

Additional resources [Edit](#) [Example implementation in RFC 9311](#) [GitHub repository to collaborate on draft](#)

Links to standards and code in wikis

<https://wiki.ietf.org/en/meeting/117/hackathon>

Network Telemetry - IPFIX SRv6 data-plane visibility

▶ Champion(s)

- ▶ Thomas Graf (thomas.graf at swisscom.com ↗)
- ▶ Maxence Younsi (maxence.younsi at insa-lyon.fr ↗)

▶ Draft(s)

- ▶ <https://datatracker.ietf.org/doc/html/draft-ietf-opsawg-ipfix-srv6-srh> ↗

▶ Project info

- ▶ Extend IPFIX SRv6 data-plane dissection in Wireshark.

Network Telemetry - BMP Path Marking Implementation

▶ Champion(s)

- ▶ Thomas Graf (thomas.graf at swisscom.com ↗)
- ▶ Maxence Younsi (maxence.younsi at insa-lyon.fr ↗)

▶ Draft(s)

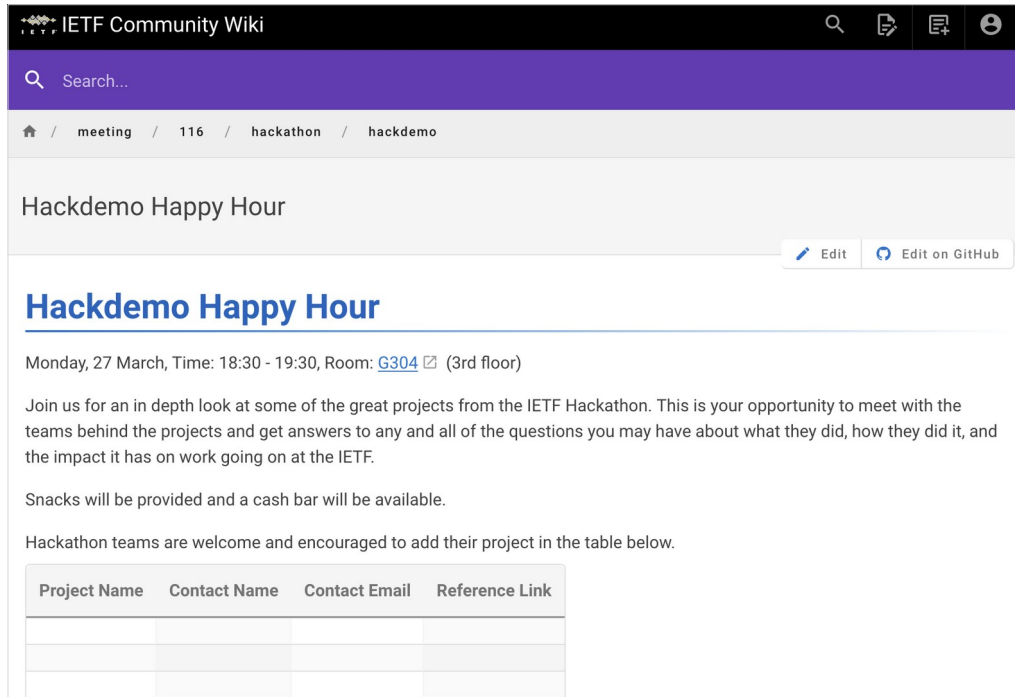
- ▶ <https://datatracker.ietf.org/doc/html/draft-cppy-grow-bmp-path-marking-tlv> ↗

▶ Project info

- ▶ Extend BMP implementation in Frrouting with Path Marking.

Hackdemo Happy Hour

- Share hackathon projects with IETF Community
- Room: [Golden Gate 2-3](#) (Lobby Level)
- Monday 18:30 - 19:30
- Register your team
 - **MUST REGISTER BY 13:00 MONDAY, 24 JULY**



The screenshot shows a web browser displaying the IETF Community Wiki page for "Hackdemo Happy Hour". The page title is "Hackdemo Happy Hour" and it includes a search bar, navigation breadcrumbs, and a table for project registration.

Search...
meeting / 116 / hackathon / hackdemo

Hackdemo Happy Hour

Monday, 27 March, Time: 18:30 - 19:30, Room: [G304](#) (3rd floor)

Join us for an in depth look at some of the great projects from the IETF Hackathon. This is your opportunity to meet with the teams behind the projects and get answers to any and all of the questions you may have about what they did, how they did it, and the impact it has on work going on at the IETF.

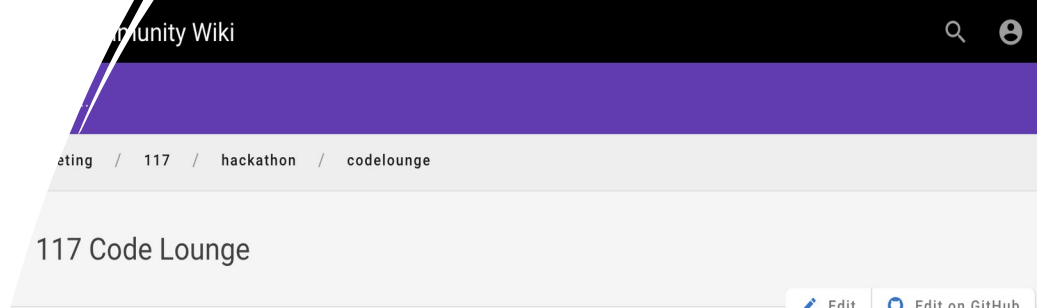
Snacks will be provided and a cash bar will be available.

Hackathon teams are welcome and encouraged to add their project in the table below.

Project Name	Contact Name	Contact Email	Reference Link

Code Lounge

- Room: [Golden Gate 2-3](#) (Lobby Level)
- Space reserved in IETF lounge from Tuesday onwards
- Collaborate on running code
- Schedule time for your team



Code Lounge

Tuesday - Friday, 25-28 July, Room: [Golden Gate 2, Lobby Level](#) [↗](#)

The Code Lounge provides a space for groups to informally meet to brainstorm, code, and test ideas. The area will be designated by signage.

You are encouraged to look at the final agenda and determine time slots best suited to ensure successful attendance of Code Lounge sessions as well as any traditional working group sessions. **It is okay for multiple groups to sign up for the same time slots. This is in fact encouraged for work that spans multiple working groups.**

Please sign up for a time slot below by entering your working group or Hackathon project acronym.

	Monday, 24 July	Tuesday, 25 July	Wednesday, 26 July	Thursday, 27 July	Friday, 28 July
08:00	Lounge Closed	L4S/AccECN	L4S/AccECN	L4S/AccECN	L4S/AccECN
10:00	Lounge Closed	L4S/AccECN	L4S/AccECN	L4S/AccECN	L4S/AccECN
12:00	Lounge Closed	L4S/AccECN	L4S/AccECN	L4S/AccECN	L4S/AccECN
14:00	Lounge Closed	L4S/AccECN	L4S/AccECN	L4S/AccECN	Lounge Closed
16:00	Lounge Closed	L4S/AccECN	L4S/AccECN	L4S/AccECN	Lounge Closed

Running Code Sponsors - THANK YOU!



ERICSSON



Questions?





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