

IETF 116 Hackathon

25-26 March 2023

This session is being recorded

IETF 116 Yokohama
hosted by



Internet Engineering Task Force
© 2023 IETF Trust
Production by Meetecho





Image credit: National Library of Medicine



Welcome !

- First IETF Hackathon?

Welcome !

- First IETF Hackathon?
- First IETF event?

Welcome !

- First IETF Hackathon?
- First IETF event?
- First in-person event since COVID-19?

Why Are We Here

- Advance pace and relevance of IETF standards
 - Bring speed and collaborative spirit of open source community into IETF
 - Flush out ideas, feed into working group sessions
 - Produce sample code, reference implementations, utilities
- Attract developers, new people to IETF
 - Match new, skillful developers with IETF veterans
 - University engagement

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:

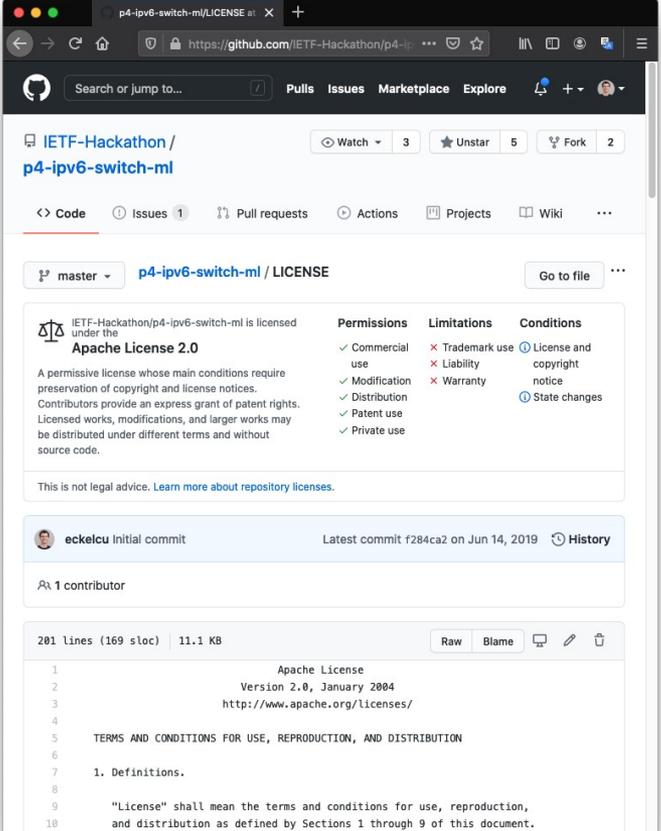
- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant 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



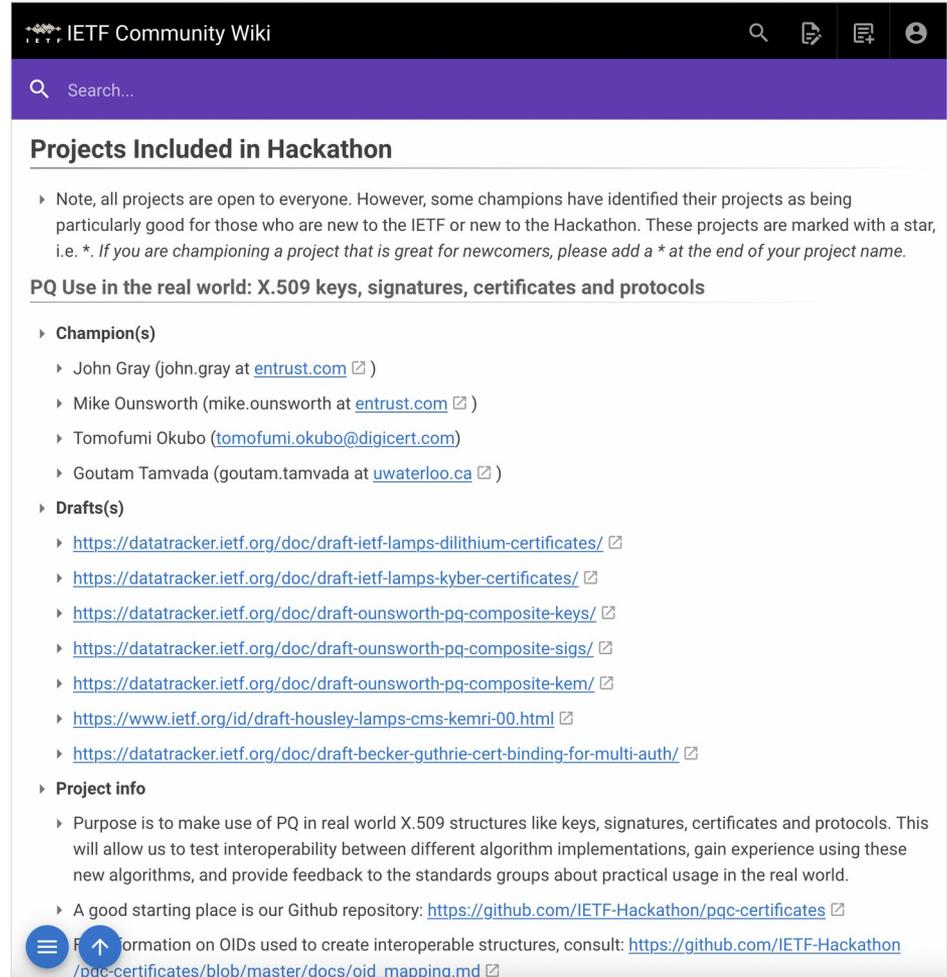
The screenshot shows a GitHub repository page for 'p4-ipv6-switch-ml' under the 'IETF-Hackathon' organization. The page displays the license information for the 'p4-ipv6-switch-ml / LICENSE' file. The license is identified as 'Apache License 2.0'. A table summarizes the permissions, limitations, and conditions of the license. Below the table, there is a commit history section showing the initial commit by 'eckelcu' and the latest commit by 'f284ca2' on June 14, 2019. At the bottom, the content of the license file is displayed, starting with the Apache License header and the terms and conditions for use, reproduction, and distribution.

Permissions	Limitations	Conditions
<input checked="" type="checkbox"/> Commercial use	<input checked="" type="checkbox"/> Trademark use	<input checked="" type="checkbox"/> License and copyright notice
<input checked="" type="checkbox"/> Modification	<input checked="" type="checkbox"/> Liability	<input checked="" type="checkbox"/> State changes
<input checked="" type="checkbox"/> Distribution	<input checked="" type="checkbox"/> Warranty	
<input checked="" type="checkbox"/> Patent use		
<input checked="" type="checkbox"/> Private use		

```
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.
```

Projects

- On the [Hackathon wiki](#)



The screenshot shows a web browser window displaying the IETF Community Wiki page. The page title is "Projects Included in Hackathon". It contains a search bar at the top, followed by a note about project eligibility. Below that is a section titled "PQ Use in the real world: X.509 keys, signatures, certificates and protocols". This section lists several draft documents and provides information about the project's purpose and a GitHub repository.

IETF Community Wiki

Search...

Projects Included in Hackathon

▶ Note, all projects are open to everyone. However, some champions have identified their projects as being particularly good for those who are new to the IETF or new to the Hackathon. These projects are marked with a star, i.e. *. *If you are championing a project that is great for newcomers, please add a * at the end of your project name.*

PQ Use in the real world: X.509 keys, signatures, certificates and protocols

▶ **Champion(s)**

- ▶ John Gray (john.gray at [entrust.com](mailto:john.gray@entrust.com))
- ▶ Mike Ounsworth (mike.ounsworth at [entrust.com](mailto:mike.ounsworth@entrust.com))
- ▶ Tomofumi Okubo (tomofumi.okubo@digicert.com)
- ▶ Goutam Tamvada (goutam.tamvada at [uwaterloo.ca](mailto:goutam.tamvada@uwaterloo.ca))

▶ **Drafts(s)**

- ▶ <https://datatracker.ietf.org/doc/draft-ietf-lamps-dilithium-certificates/>
- ▶ <https://datatracker.ietf.org/doc/draft-ietf-lamps-kyber-certificates/>
- ▶ <https://datatracker.ietf.org/doc/draft-ounsworth-pq-composite-keys/>
- ▶ <https://datatracker.ietf.org/doc/draft-ounsworth-pq-composite-sigs/>
- ▶ <https://datatracker.ietf.org/doc/draft-ounsworth-pq-composite-kem/>
- ▶ <https://www.ietf.org/id/draft-housley-lamps-cms-kemri-00.html>
- ▶ <https://datatracker.ietf.org/doc/draft-becker-guthrie-cert-binding-for-multi-auth/>

▶ **Project info**

- ▶ Purpose is to make use of PQ in real world X.509 structures like keys, signatures, certificates and protocols. This will allow us to test interoperability between different algorithm implementations, gain experience using these new algorithms, and provide feedback to the standards groups about practical usage in the real world.
- ▶ A good starting place is our Github repository: <https://github.com/IETF-Hackathon/pqc-certificates>

Information on OIDs used to create interoperable structures, consult: https://github.com/IETF-Hackathon/pqc-certificates/blob/master/docs/oid_mapping.md

Projects

- On the [Hackathon wiki](#)
- Not sure which project to join?
- Check the [Lost & Found](#)

The screenshot shows the IETF Community Wiki page for 'Hackathon Lost & Found'. The page title is 'Hackathon Lost & Found' and it includes an 'Edit' button and an 'Edit on GitHub' button. The main content area has a heading 'Hackathon Lost & Found' followed by three paragraphs of text. The first paragraph asks if the user is a Hackathon participant looking for a team or a championing a project. The second paragraph encourages participants looking for a team to add themselves to the 'Skills to Offer' table. The third paragraph encourages champions wanting help to add themselves to the 'Skills Needed' table. Below the text are two tables: 'Skills to Offer' and 'Skills Needed'. The 'Skills to Offer' table has columns for Name, Email Address, and Skills and/or interests you have to offer. The 'Skills Needed' table has columns for Name, Email Address, and Skills your team needs. At the bottom, there is a search bar with the text 'lost' and several search options: Highlight All, Match Case, Match Diacritics, and Whole Words. The search results show 1 of 3 matches.

IETF Community Wiki

meeting / 116 / hackathon / lost&found

Hackathon Lost & Found

Edit Edit on GitHub

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

Skills Needed

Name	Email Address	Skills your team needs
------	---------------	------------------------

X lost ^ v Highlight All Match Case Match Diacritics Whole Words 1 of 3 matches

Agenda - Saturday

- **09:30** : Room open for setup by project champions
- **10:00** : Room open for all - pastries and coffee provided
- ➔ • **10:30** : Hackathon kickoff, [Meetecho](#)
- **10:45** : Form Teams, see [Team Schedule](#)
- **12:30** : Lunch provided
- **15:30** : Afternoon break - snacks provided
- **18:30** : Dinner provided
- **20:30** : Room closes

(conference center closed completely at 21:00)

Team Schedule

[Edit](#) [Edit on GitHub](#)

Team Schedule

The IETF Hackathon is taking place as a hybrid event. The overall agenda for the Hackathon is [HERE](#).

Within the overall agenda, it is up to individual project teams to determine their own preferred ways to collaborate. Many teams likely include both in-person and remote participants.

The IETF is using gather.town to facilitate social interaction at the IETF meeting. There is a space for the Hackathon with tables and whiteboards that teams can use for group communication and information sharing. [Gather](#) (password: notewell)

You are free to use gather.town, and you may also use Zoom, Webex, Slack, or whatever works best for your team. If you want to use Webex and need a Webex account, you can find more info [HERE](#).

Teams: Please fill out the table below to inform others how and when to collaborate with your team.

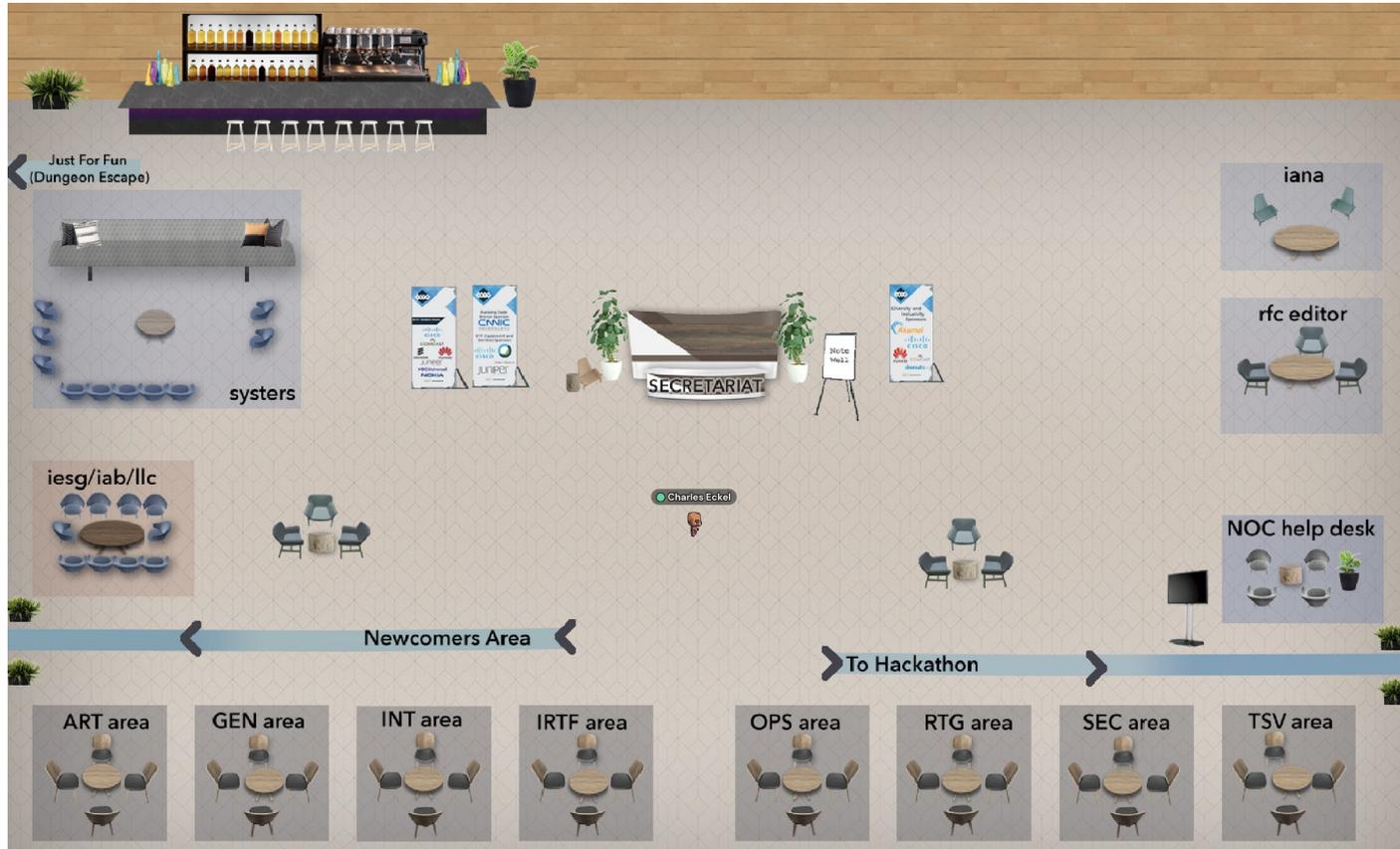
Project/Team name	Date(s) and time(s), including timezone	Meeting link, URL, email address, etc.
PQ Use in the real world: X.509 keys, signatures, certificates and protocols	March 25th 11:00 pm and 4:00 pm JST (UTC+9), March 26th 1:00 pm JST (UTC+9)	Gather Town Hackathon Table G
BGP-CT PlugFest: InterOp With JUNOS BGP CT	March 25th 11:00 pm and 4:00 pm JST (UTC+9), March 26th 1:00 pm JST (UTC+9)	Gather Town Hackathon Table F

Agenda - Sunday

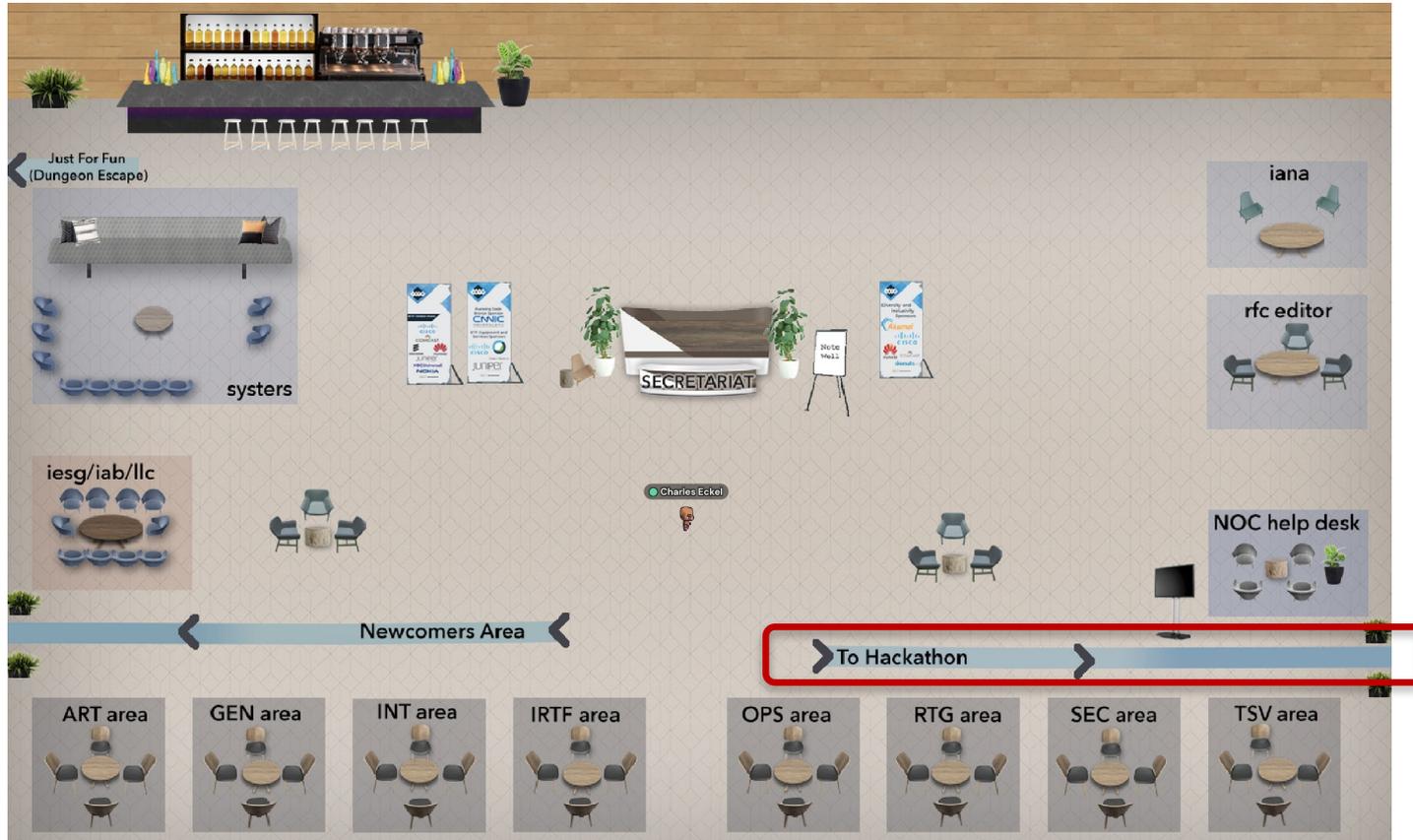
- **09:30** : Room opens - pastries and coffee provided
- **12:30** : Lunch provided
- **13:30** : Hacking stops, prepare brief presentation of project
- **14:00** : Project results presentations, [Meetecho](#)
- **16:00** : Hackathon ends



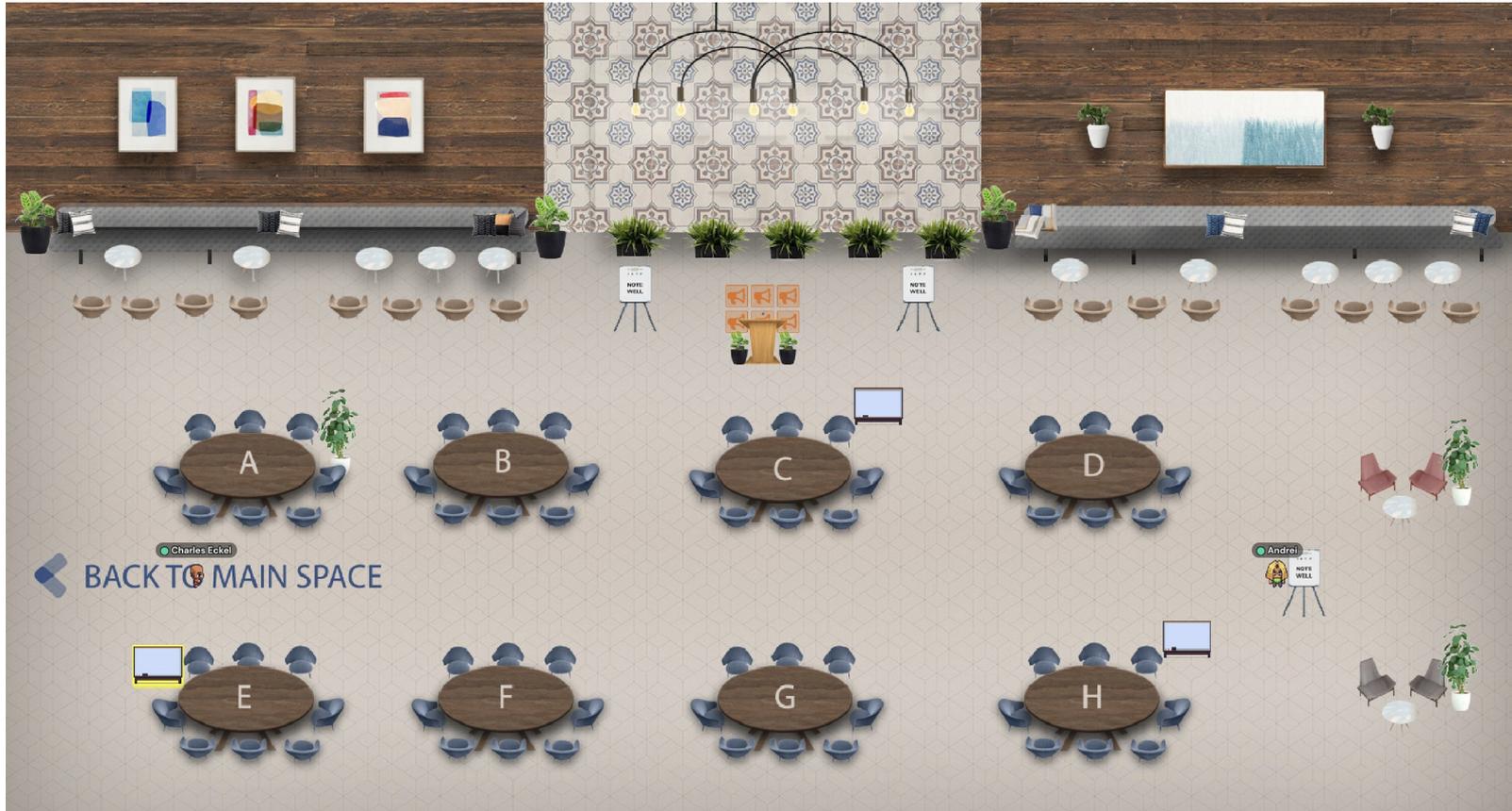
Gather <https://app.gather.town/app/L4fNNdm1NJa1sE2v/ietf>



Gather <https://app.gather.town/app/L4fNNdm1NJa1sE2v/ietf>



Hackathon Space



HackNet (<https://hacknet.meeting.ietf.org>)

- Special network designed for supporting IETF protocol development across teams within the IETF Hackathon
- Join the IETF network while attending remotely
- Instructions (https://wiki.ietf.org/meeting/116/hackathon/hacknet_instructions)
- Anyone with their own AP?
 - 5 GHz: Channel 36 only, 20 MHz channels
 - 2.4 GHz

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

The screenshot shows the GitHub repository page for 'IETF-Hackathon'. At the top, there is a navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Codespaces, Marketplace, and Explore. The repository header includes the repository name 'IETF-Hackathon', a description 'Repository for sharing code, presentations, and other artifacts at IETF hackathons', and a 'Follow' button. Below the header is a navigation menu with 'Overview' selected, and other options like Repositories (33), Projects, Packages, Teams, People (181), and Settings. The main content area is divided into 'Pinned' repositories and 'Repositories'. The 'Pinned' section shows 'mDNSResponder' and 'pqc-certificates'. The 'Repositories' section shows 'pqc-certificates' and 'ietf116-project-presentations'. On the right side, there are sections for 'View as: Public', 'Discussions', and 'People'.

IETF-Hackathon
Repository for sharing code, presentations, and other artifacts at IETF hackathons
22 followers | hackathon@ietf.org

Follow

Overview | Repositories 33 | Projects | Packages | Teams | People 181 | Settings

Pinned Customize pins

- mDNSResponder** Public
C | 49 stars | 9 forks
- pqc-certificates** Public
Post-quantum cryptography certificates
Shell | 10 stars | 9 forks

Repositories

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

- pqc-certificates** Public
Post-quantum cryptography certificates
Shell | 10 stars | 9 forks | 7 watchers | 0 issues | Updated 5 days ago
- ietf116-project-presentations** Public
Project results presentations at end of Hackathon
HTML | 1 star | 0 forks | 0 watchers | 0 issues | Updated on Nov 28, 2022

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](#)

People

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

The screenshot shows the GitHub repository page for 'IETF-Hackathon'. At the top, there is a navigation bar with the GitHub logo, a search bar, and links for 'Pull requests', 'Issues', 'Codespaces', 'Marketplace', and 'Explore'. The repository name 'IETF-Hackathon' is prominently displayed, along with a 'Follow' button. Below the repository name, there is a description: 'Repository for sharing code, presentations, and other artifacts at IETF hackathons'. The repository has 22 followers and an email address 'hackathon@ietf.org'. A navigation menu includes 'Overview', 'Repositories 33', 'Projects', 'Packages', 'Teams', 'People 181', and 'Settings'. The 'Pinned' section shows two repositories: 'mDNSResponder' and 'pqc-certificates'. The 'Repositories' section has a search bar and filters for 'Type', 'Language', and 'Sort', along with a 'New' button. Two repository cards are visible: 'pqc-certificates' (Post-quantum cryptography certificates) and 'ietf116-project-presentations' (Project results presentations at end of Hackathon). The 'ietf116-project-presentations' card is highlighted with a red border. On the right side, there are sections for 'View as: Public', 'Discussions', and 'People'.

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

IETF-Hackathon Follow

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

22 followers hackathon@ietf.org

Overview Repositories 33 Projects Packages Teams People 181 Settings

Pinned Customize pins

mDNSResponder Public

C 49 9

pqc-certificates Public

Post-quantum cryptography certificates

Shell 10 9

Repositories

Find a repository... Type Language Sort New

pqc-certificates Public

Post-quantum cryptography certificates

Shell 10 9 7 0 Updated 5 days ago

ietf116-project-presentations Public

Project results presentations at end of Hackathon

HTML 1 0 0 0 Updated on Nov 28, 2022

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

People

<https://github.com/IETF-Hackathon/ietf116-project-presentations>

The screenshot shows the GitHub interface for the repository `IETF-Hackathon / ietf116-project-presentations`. The repository is public and has 5 watchers, 0 forks, and 1 star. The main branch is `main`, with 2 other branches and 0 tags. The repository contains a commit by `bjovereinder` titled "initialise README and templates" on Nov 28, 2022, with 3 commits. The commit includes files: `.github/workflows`, `README.md`, and two `hackathon-presentation-template....` files. The `About` section on the right indicates the repository is for "Project results presentations at end of Hackathon", has a `Readme`, 1 star, 5 watchers, and 0 forks.

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

IETF-Hackathon / ietf116-project-presentations Public Edit Pins Watch 5 Fork 0 Star 1

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 2 branches 0 tags Go to file Add file Code

bjovereinder initialise README and templates ✓ fa38f43 on Nov 28, 2022 3 commits

📁 .github/workflows	initialise README and templates	4 months ago
📄 README.md	initialise README and templates	4 months ago
📄 hackathon-presentation-template....	initialise README and templates	4 months ago
📄 hackathon-presentation-template....	initialise README and templates	4 months ago

About

Project results presentations at end of Hackathon

- 📖 Readme
- ☆ 1 star
- 👁 5 watching
- 🍴 0 forks

<https://github.com/IETF-Hackathon/ietf116-project-presentations>

The screenshot shows the GitHub interface for the repository 'IETF-Hackathon / ietf116-project-presentations'. The repository is public and has 5 watchers, 0 forks, and 1 star. The commit history shows a commit by 'bjovereinder' on Nov 28, 2022, with 3 commits. The file list includes a folder '.github/workflows' and three files: 'README.md', 'hackathon-presentation-template....', and another 'hackathon-presentation-template....'. The 'README.md' file is highlighted with a red rounded rectangle. The 'About' section on the right describes the project as 'Project results presentations at end of Hackathon' and lists 1 star, 5 watching, and 0 forks.

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

IETF-Hackathon / ietf116-project-presentations Public Edit Pins Watch 5 Fork 0 Star 1

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 2 branches 0 tags Go to file Add file Code

bjovereinder initialise README and templates ✓ fa38f43 on Nov 28, 2022 3 commits

📁 .github/workflows	initialise README and templates	4 months ago
📄 README.md	initialise README and templates	4 months ago
📄 hackathon-presentation-template....	initialise README and templates	4 months ago
📄 hackathon-presentation-template....	initialise README and templates	4 months ago

About

Project results presentations at end of Hackathon

- 📖 Readme
- ☆ 1 star
- 👁 5 watching
- 🍴 0 forks

README

```
17 lines (10 sloc) | 2.44 KB
```

<> [file icon] Raw Blame [edit icon] [trash icon]

IETF 116 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](#).

README

17 lines (10 sloc) | 2.44 KB

<> [file icon] Raw Blame [edit icon] [trash icon]

IETF 116 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](#).

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 an "Active Internet-Draft (individual)" by Charles Eckel, last updated on 2023-01-10. A timeline shows three versions: 00 (July 2021), 01 (Jan 2022), and 02 (Jan 2023). The "Additional resources" section includes an "Edit" button and a link to "Example implementation in RFC 9311 GitHub repository to collaborate on draft". A red arrow points from the second bullet point in the text to the "Additional resources" section.

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)

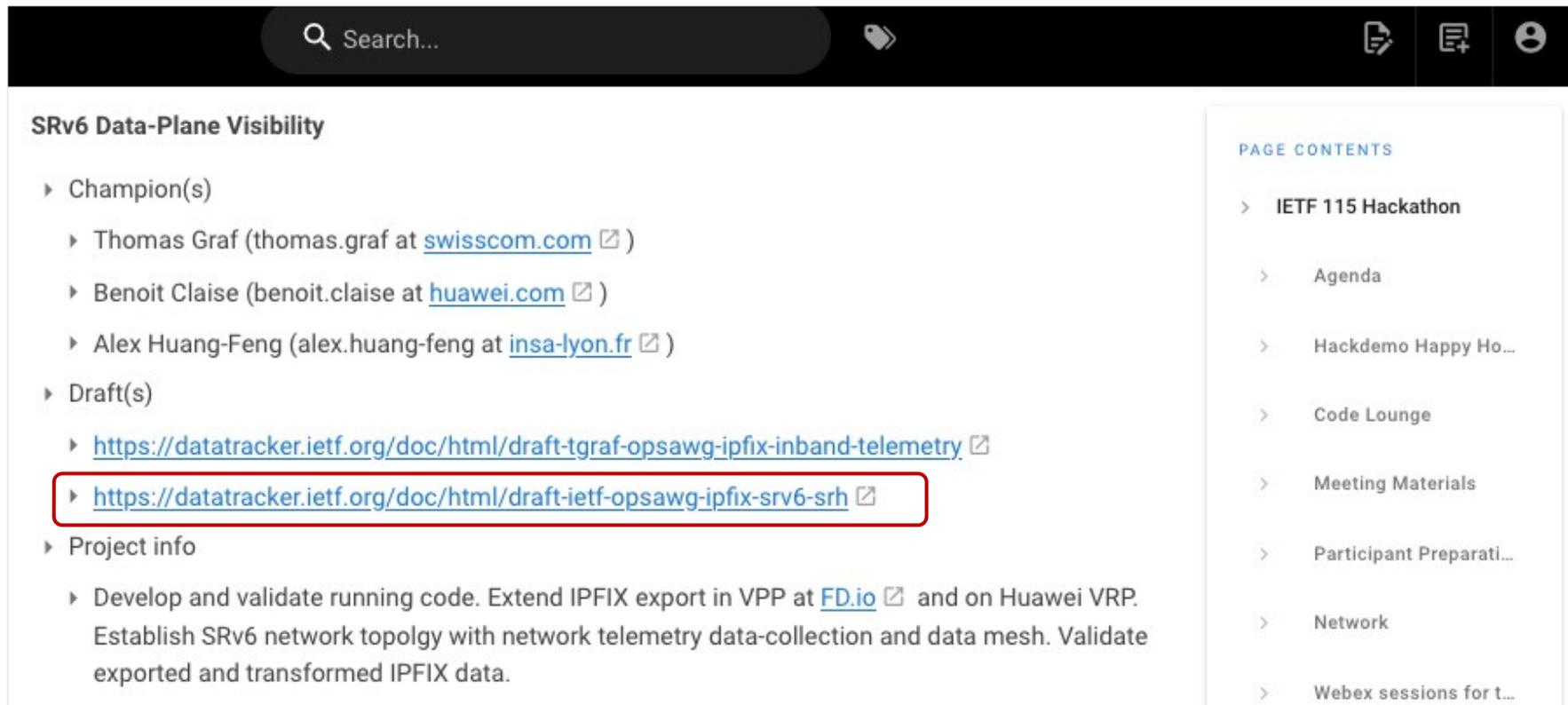
Intended RFC status: (None)

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/115/hackathon>



SRv6 Data-Plane Visibility

- ▶ Champion(s)
 - ▶ Thomas Graf (thomas.graf at [swisscom.com](mailto:thomas.graf@swisscom.com) [↗](#))
 - ▶ Benoit Claise (benoit.claise at [huawei.com](mailto:benoit.claise@huawei.com) [↗](#))
 - ▶ Alex Huang-Feng (alex.huang-feng at [insa-lyon.fr](mailto:alex.huang-feng@insa-lyon.fr) [↗](#))
- ▶ Draft(s)
 - ▶ <https://datatracker.ietf.org/doc/html/draft-tgraf-opsawg-ipfix-inband-telemetry> [↗](#)
 - ▶ <https://datatracker.ietf.org/doc/html/draft-ietf-opsawg-ipfix-srv6-srh> [↗](#)
- ▶ Project info
 - ▶ Develop and validate running code. Extend IPFIX export in VPP at [FD.io](http://fd.io) [↗](#) and on Huawei VRP. Establish SRv6 network topology with network telemetry data-collection and data mesh. Validate exported and transformed IPFIX data.

PAGE CONTENTS

- > IETF 115 Hackathon
 - > Agenda
 - > Hackdemo Happy Ho...
 - > Code Lounge
 - > Meeting Materials
 - > Participant Preparati...
 - > Network
 - > Webex sessions for t...

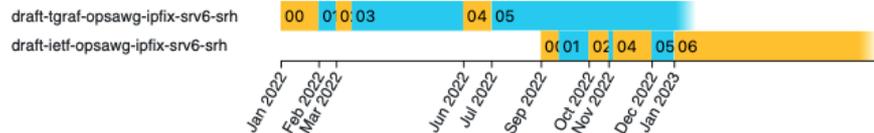
Export of Segment Routing over IPv6 Information in IP Flow Information Export (IPFIX)

draft-ietf-opsawg-ipfix-srv6-srh-06

Status [IESG evaluation record](#) [IESG writeups](#) [Email expansions](#) [History](#)

Versions:

[00](#) [01](#) [02](#) [03](#) [04](#) [05](#) [06](#)



Document Type	Active Internet-Draft (opsawg WG)
Authors	Thomas Graf  , Benoit Claise  , Pierre Francois 
Last updated	2023-01-06 (Latest revision 2023-01-05)
Replaces	draft-tgraf-opsawg-ipfix-srv6-srh
RFC stream	Internet Engineering Task Force (IETF)
Intended RFC status	Proposed Standard
Formats	txt html xml htmlized pdf bibtex
Additional resources	Related Implementations Mailing list discussion
Stream	WG state Submitted to IESG for Publication

Datatracker I E T F

Export of Segment Routing over IPv6 Information in IP Flow Information Export (IPFIX)

draft-ietf-opsawg-ipfix-srv6-srh-06

Status IESG evaluation record IESG writeups Email expansions History

Versions:

00 01 02 03 04 05 06

draft-tgraf-opsawg-ipfix-srv6-srh 00 01 03 04 05

draft-ietf-opsawg-ipfix-srv6-srh 01 01 02 04 05 06

Jan 2022 Feb 2022 Mar 2022 Jun 2022 Jul 2022 Sep 2022 Oct 2022 Nov 2022 Dec 2022 Jan 2023

Document Type Active Internet-Draft ([opsawg WG](#))

Authors [Thomas Graf](#) ✉, [Benoît Claise](#) ✉, [Pierre Francois](#) ✉

Last updated 2023-01-06 (Latest revision 2023-01-05)

Replaces [draft-tgraf-opsawg-ipfix-srv6-srh](#)

RFC stream Internet Engineering Task Force (IETF)

Intended RFC status Proposed Standard

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

Additional resources [Related Implementations](#) [Mailing list discussion](#)

Stream [WG state](#) Submitted to IESG for Publication

[insa-unyte](#) / [vpp-srh-onpath-telemetry](#) Public

SRH and On-path telemetry export in IPFIX for VPP

Apache-2.0 license

4 stars 1 fork

★ Starred Watch

<> Code Issues Pull requests 1 Actions Projects

master

[ahuangfeng](#) feat: update ioam patch reference ... 20 hours ago 48

[View code](#)

README.md

VPP topologies

This repository have the vpp configurations for the following POCs in VPP:

- [draft-tgraf-opsawg-ipfix-srv6-srh](#)
- [draft-tgraf-opsawg-ipfix-on-path-telemetry](#)

Dependencies

- VPP fork repository: [INSA-unyte-vpp](#)
- Tested in `ubuntu/focal64` using [Vagrantfile](#)

Find Code Related to an Internet-Draft or RFC

<https://datatracker.ietf.org/doc/draft-eckel-edm-find-code/>

Workgroup: edm
Internet-Draft: draft-eckel-edm-find-code-02
Published: 10 January 2023
Intended Status: Best Current Practice
Expires: 14 July 2023
Author: C. Eckel
Cisco Systems

Find Code Related to an Internet-Draft or RFC

Abstract

Code related to existing IETF standards and ongoing standardization efforts may exist and be publicly accessible in many places. This document provides a set of practices to make it easier to identify and find such code.

The RFC Editor will remove this note

Discussion Venues

This note is to be removed before publishing as an RFC.

Discussion of this document takes place on the Evolvability, Deployability, & Maintainability mailing list (edm@iab.org), which is archived at <https://mailarchive.ietf.org/arch/browse/edm/>.

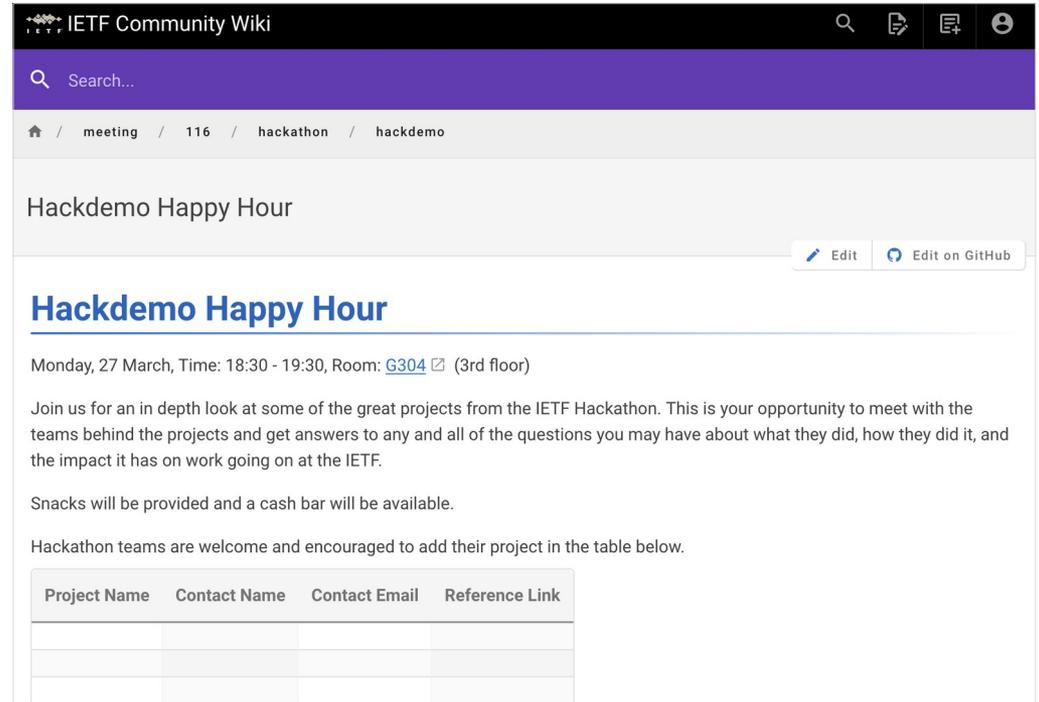
Source for this draft and an issue tracker can be found at <https://github.com/eckelcu/draft-eckel-edm-find-code>.

Table of Contents

1. Introduction
 2. Existing IETF Processes and Procedures
 - 2.1. Implementation Status
 - 2.2. GitHub
 - 2.3. Hackathon
 3. Proposal
 - 3.1. GitHub Repository
 - 3.2. README
 - 3.3. Datatracker
 - 3.4. Implementation Status
 - 3.5. Inline Errata
 - 3.6. Known Limitations
 4. Implementation Status
 5. Security Considerations
 6. IANA Considerations
 7. Informative References
- Acknowledgments
Author's Address

Hackdemo Happy Hour

- Share hackathon projects with IETF Community
- Room: [G304](#) (3rd floor)
- Monday 18:30 - 19:30
- Register your team
 - **MUST REGISTER BY 13:00 MONDAY, 27 MARCH**

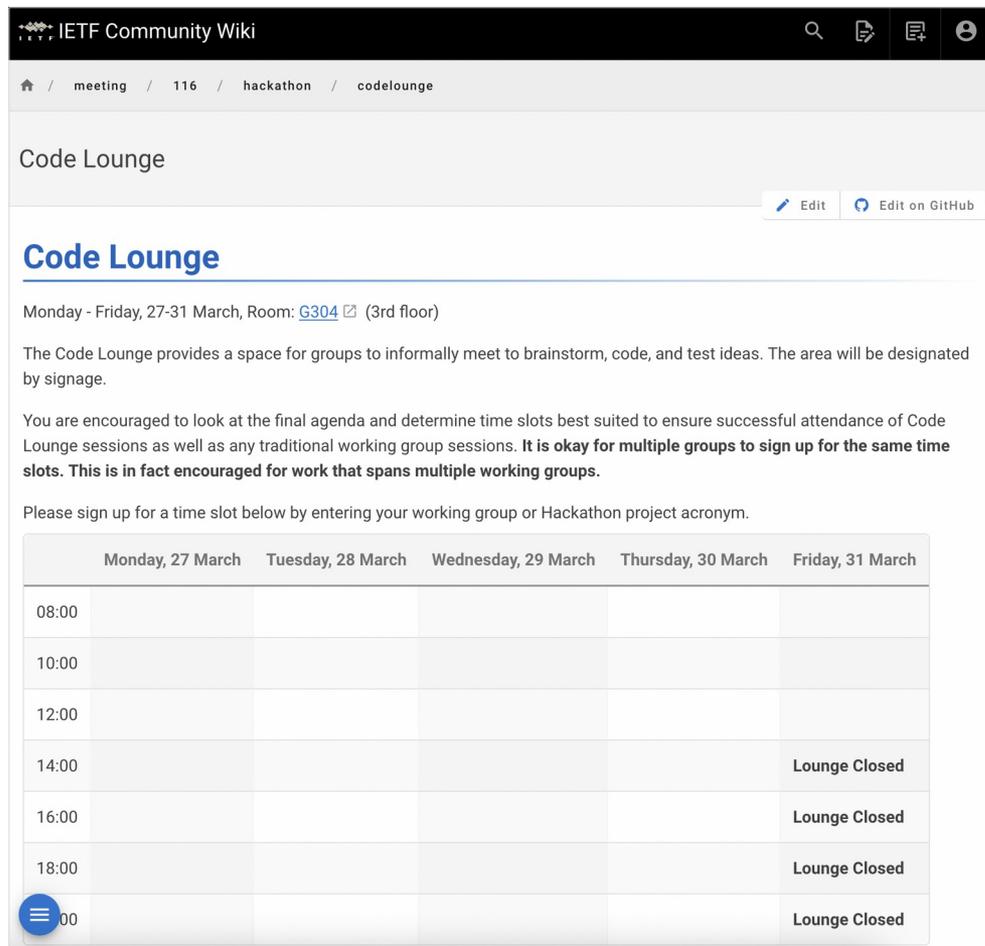


The screenshot shows a web browser displaying the IETF Community Wiki page for "Hackdemo Happy Hour". The page title is "Hackdemo Happy Hour" and it includes a sub-header "Hackdemo Happy Hour" with "Edit" and "Edit on GitHub" buttons. The main content describes the event: "Monday, 27 March, Time: 18:30 - 19:30, Room: [G304](#) (3rd floor)". It invites participants to join for an in-depth look at projects, meet with teams, and get answers to questions. It also mentions that snacks will be provided and a cash bar will be available. The page concludes by stating that hackathon teams are welcome to add their projects to a table below.

Project Name	Contact Name	Contact Email	Reference Link

Code Lounge

- Room: [G304](#) (3rd floor)
- Space reserved in IETF lounge all week
- Collaborate on running code
- [Schedule](#) time for your team



IETF Community Wiki

home / meeting / 116 / hackathon / codelounge

Code Lounge

[Edit](#) [Edit on GitHub](#)

Code Lounge

Monday - Friday, 27-31 March, Room: [G304](#) (3rd floor)

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, 27 March	Tuesday, 28 March	Wednesday, 29 March	Thursday, 30 March	Friday, 31 March
08:00					
10:00					
12:00					
14:00					Lounge Closed
16:00					Lounge Closed
18:00					Lounge Closed
00					Lounge Closed

Running Code Sponsors - THANK YOU!



ERICSSON



Questions?





* Photos thanks to © [Stonehouse Photographic](#) / Internet Society