



IETF Hackathon

IETF 109

November 9-13, 2020

Online



I E T F



Welcome!



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 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.

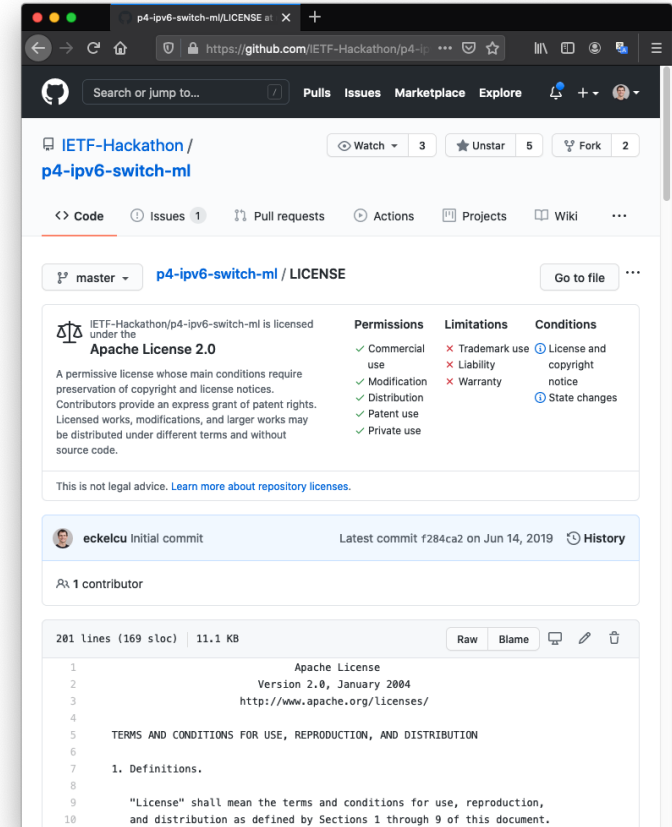
Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- 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)



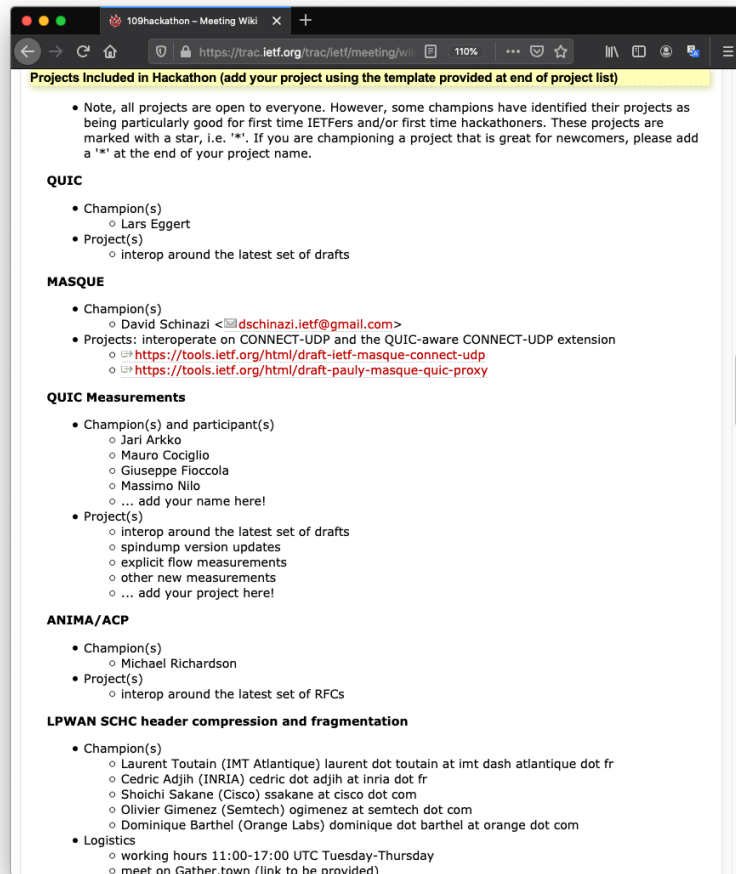
IPR and Code Contribution Guidelines

- 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, similar to if done in a working group; therefore, the usual IETF copyright and/or IPR disclosure rules apply



Projects

- 20+ projects on the [Hackathon wiki](https://trac.ietf.org/trac/ietf/meeting/wiki)
- Not sure which project to join?



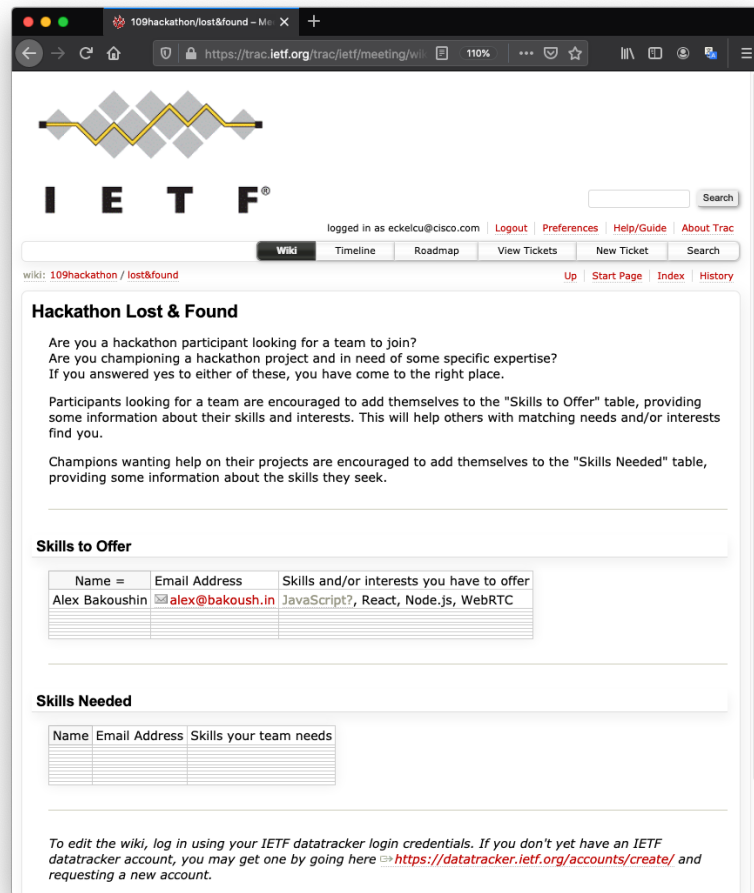
The screenshot shows a web browser window with the URL <https://trac.ietf.org/trac/ietf/meeting/wiki>. The page title is "109hackathon - Meeting Wiki". A yellow banner at the top reads "Projects Included in Hackathon (add your project using the template provided at end of project list)".

The main content area lists several project categories, each with a list of projects and their champions:

- QUIC**
 - Note, all projects are open to everyone. However, some champions have identified their projects as being particularly good for first time IETFers and/or first time hackathoners. 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.
 - Champion(s)
 - Lars Eggert
 - Project(s)
 - interop around the latest set of drafts
- MASQUE**
 - Champion(s)
 - David Schinazi <dschinazi.ietf@gmail.com>
 - Projects: interoperate on CONNECT-UDP and the QUIC-aware CONNECT-UDP extension
 - <https://tools.ietf.org/html/draft-ietf-masque-connect-udp>
 - <https://tools.ietf.org/html/draft-paulu-masque-quic-proxy>
- QUIC Measurements**
 - Champion(s) and participant(s)
 - Jari Arkko
 - Mauro Cociglio
 - Giuseppe Fioccola
 - Massimo Nilo
 - ... add your name here!
 - Project(s)
 - interop around the latest set of drafts
 - spindump version updates
 - explicit flow measurements
 - other new measurements
 - ... add your project here!
- ANIMA/ACP**
 - Champion(s)
 - Michael Richardson
 - Project(s)
 - interop around the latest set of RFCs
- LPWAN SCHC header compression and fragmentation**
 - Champion(s)
 - Laurent Toutain (IMT Atlantique) laurent.dot.toutain@imt-dash.atlantique.fr
 - Cedric Adjih (INRIA) cedric.dot.adjih@inria.fr
 - Shoichi Sakane (Cisco) ssakane@cisco.com
 - Olivier Gimenez (Semtech) ogimenez@semtech.com
 - Dominique Barthel (Orange Labs) dominique.dot.barthel@orange.com
 - Logistics
 - working hours 11:00-17:00 UTC Tuesday-Thursday
 - meet on Gather.town (link to be provided)

Projects

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



The screenshot shows a web browser window displaying the IETF Hackathon Lost & Found wiki page. The browser's address bar shows the URL <https://trac.ietf.org/trac/ietf/meeting/wiki/109hackathon/lost&found>. The page features the IETF logo at the top, followed by a navigation bar with links like "Wiki", "Timeline", "Roadmap", "View Tickets", "New Ticket", and "Search". Below the navigation bar, the page title "Hackathon Lost & Found" is displayed. The main content area contains text explaining the purpose of the page: to help hackathon participants find teams or projects. It includes two tables: "Skills to Offer" and "Skills Needed". The "Skills to Offer" table has one row with the name "Alex Bakoushin", email "alex@bakoush.in", and skills "JavaScript?, React, Node.js, WebRTC". The "Skills Needed" table is empty. At the bottom, there is a note about logging in with IETF datatracker credentials and a link to create a new account.

109hackathon/lost&found - M X +

https://trac.ietf.org/trac/ietf/meeting/wiki/109hackathon/lost&found 110%

I E T F®

logged in as eckelcu@cisico.com | Logout | Preferences | Help/Guide | About Trac

Wiki | Timeline | Roadmap | View Tickets | New Ticket | Search

wiki: 109hackathon / 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
Alex Bakoushin	alex@bakoush.in	JavaScript?, React, Node.js, WebRTC

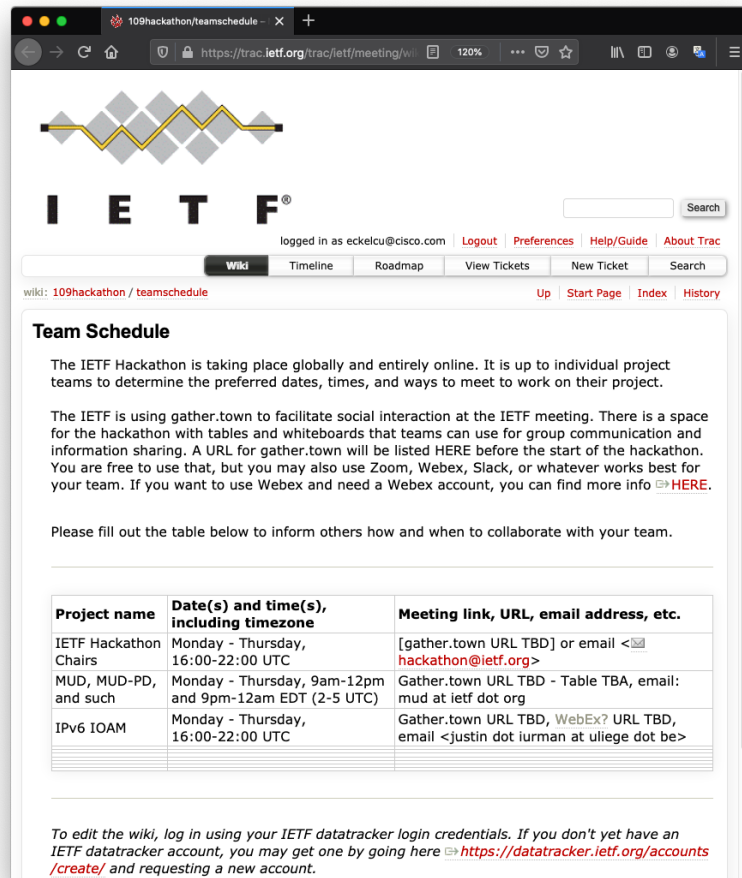
Skills Needed

Name	Email Address	Skills your team needs

To edit the wiki, log in using your IETF datatracker login credentials. If you don't yet have an IETF datatracker account, you may get one by going here <https://datatracker.ietf.org/accounts/create/> and requesting a new account.

Agenda

- Monday, Nov. 9
 - 12:00 ICT / 5:00 UTC - Hackathon kickoff
- Monday, Nov. 9 - Friday, Nov. 13
 - Work on projects, see [Team Schedule](#)
 - If in doubt, contact champion(s)
- Friday, Nov. 13
 - 12:00 ICT / 5:00 UTC - Hackathon closing



The screenshot shows a web browser window displaying the IETF Hackathon Team Schedule page. The page features the IETF logo at the top, followed by navigation links like 'Wiki', 'Timeline', 'Roadmap', 'View Tickets', 'New Ticket', and 'Search'. The main content area is titled 'Team Schedule' and contains two paragraphs of text explaining the hackathon's global nature and the use of gather.town for social interaction. Below the text is a table for team scheduling, with columns for 'Project name', 'Date(s) and time(s), including timezone', and 'Meeting link, URL, email address, etc.'. The table lists three projects: IETF Hackathon Chairs, MUD, MUD-PD, and such, and IPv6 IOAM. At the bottom, there is a note about editing the wiki and logging in with IETF datatracker credentials.

Team Schedule

The IETF Hackathon is taking place globally and entirely online. It is up to individual project teams to determine the preferred dates, times, and ways to meet to work on their project.

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. A URL for gather.town will be listed HERE before the start of the hackathon. You are free to use that, but 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](#).

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

Project name	Date(s) and time(s), including timezone	Meeting link, URL, email address, etc.
IETF Hackathon Chairs	Monday - Thursday, 16:00-22:00 UTC	[gather.town URL TBD] or email < hackathon@ietf.org >
MUD, MUD-PD, and such	Monday - Thursday, 9am-12pm and 9pm-12am EDT (2-5 UTC)	Gather.town URL TBD - Table TBA, email: mud at ietf dot org
IPv6 IOAM	Monday - Thursday, 16:00-22:00 UTC	Gather.town URL TBD, WebEx? URL TBD, email <justin dot iurman at uliege dot be>

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



Gather – Entry Point



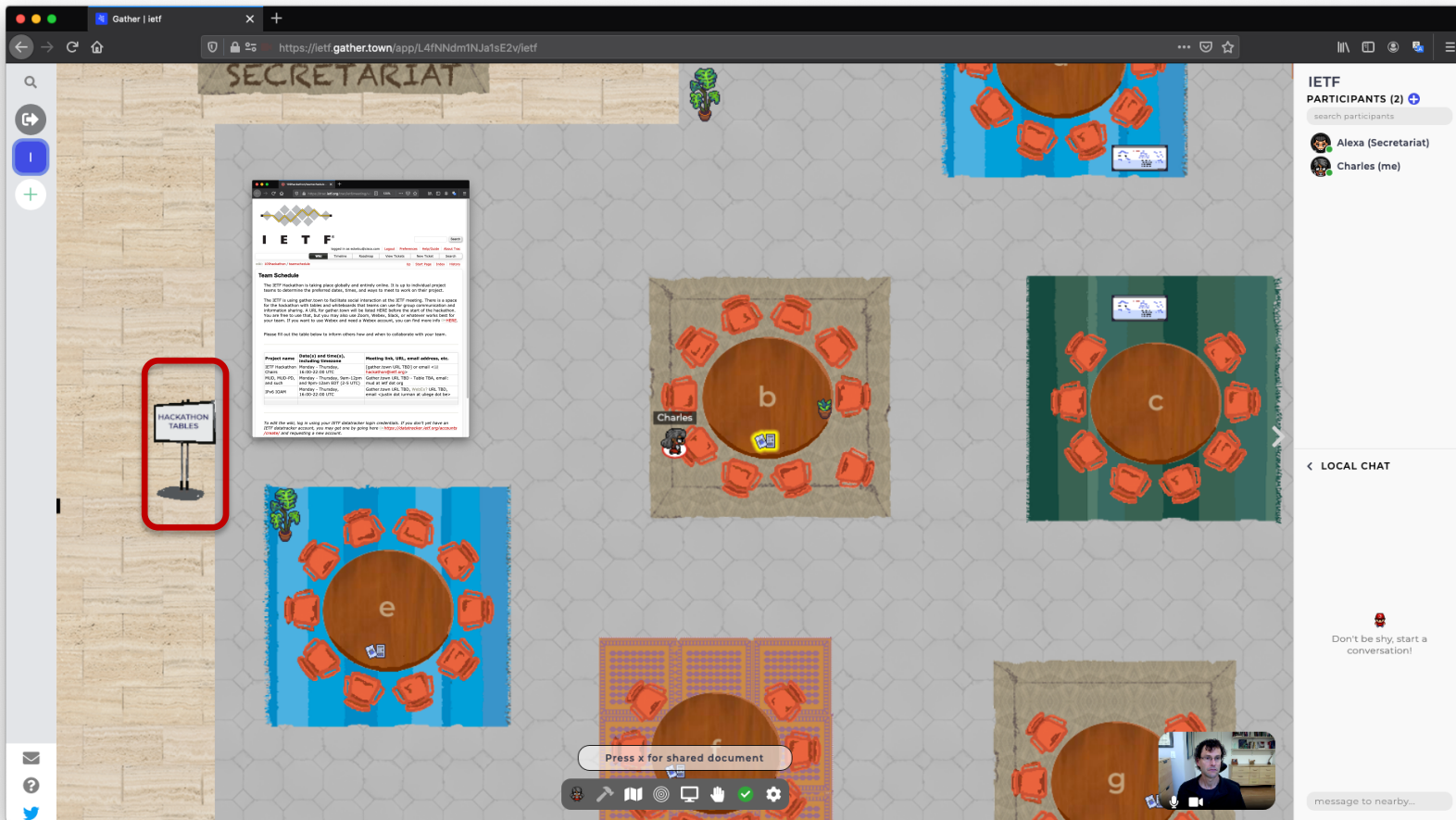
Gather – Hackathon Tables



Gather – Hackathon Tables



Gather – Hackathon Tables



Gather – Shared Documents via CodiMD



Gather – Shared Documents via CodiMD



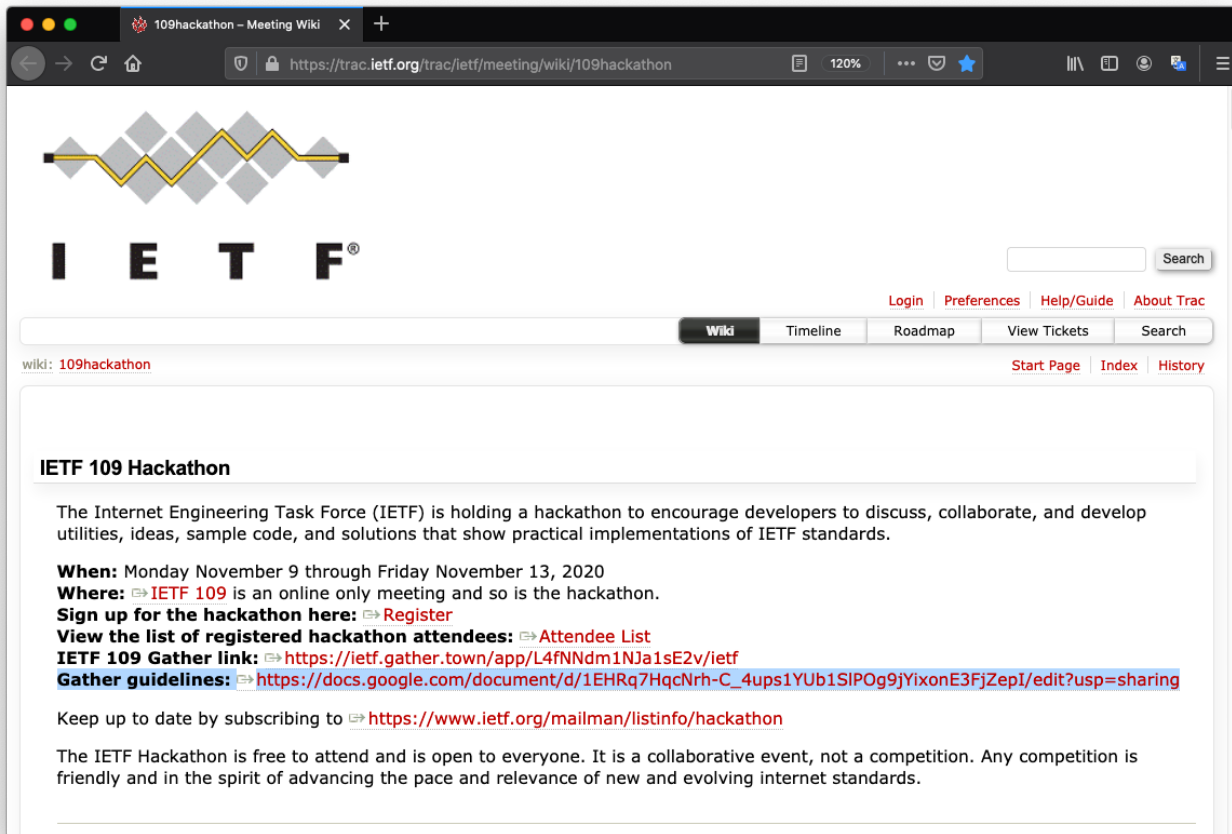
Gather – Shared Documents via CodiMD



Gather – Whiteboards



Gather guidelines



The screenshot shows a web browser window displaying the IETF Meeting Wiki page for the 109hackathon. The browser's address bar shows the URL <https://trac.ietf.org/trac/ietf/meeting/wiki/109hackathon>. The page features the IETF logo at the top left, a search bar at the top right, and a navigation menu with links for Login, Preferences, Help/Guide, and About Trac. Below the navigation menu, there are tabs for Wiki, Timeline, Roadmap, View Tickets, and Search. The main content area is titled "IETF 109 Hackathon" and contains the following text:

The Internet Engineering Task Force (IETF) is holding a hackathon to encourage developers to discuss, collaborate, and develop utilities, ideas, sample code, and solutions that show practical implementations of IETF standards.

When: Monday November 9 through Friday November 13, 2020

Where: ⇒ **IETF 109** is an online only meeting and so is the hackathon.

Sign up for the hackathon here: ⇒ [Register](#)

View the list of registered hackathon attendees: ⇒ [Attendee List](#)

IETF 109 Gather link: ⇒ <https://ietf.gather.town/app/L4fNNdm1NJa1sE2v/ietf>

Gather guidelines: ⇒ https://docs.google.com/document/d/1EHRq7HqcNrh-C_4ups1YUb1SIPOg9jYixonE3FjZepI/edit?usp=sharing

Keep up to date by subscribing to ⇒ <https://www.ietf.org/mailman/listinfo/hackathon>

The IETF Hackathon is free to attend and is open to everyone. It is a collaborative event, not a competition. Any competition is friendly and in the spirit of advancing the pace and relevance of new and evolving internet standards.

Network Requests

- Connect to the IETF virtual network
- Raspberry Pi 2 (requires a wireless adapter), Pi 3B, Pi 4B
- IPv4 and IPv6 addresses and many options
 - IPv6ONLY, a closed user group, NAT64, IPv6PD, ...
- Champions place request via:
 - <https://tickets.meeting.ietf.org/newticket>




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




5 minutes max




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



[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)


  





IETF-Hackathon


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


✉ hackathon@ietf.org


 **Repositories** 23

 Packages

 People 122

 Teams


 Projects

 Settings

Type: All





Language: All

Customize pins

 New





ietf109-project-presentations

Presentations of project results at end of hackathon

 1  1  1  0 Updated on Sep 10

ietf108-project-presentations





Presentations of project results at end of hackathon

 2  1  0  0 Updated on Jul 24






ietf107-project-presentations

Archived





Presentations of project results at end of hackathon


 0  0  0  0 Updated on Jun 8

mDNSResponder

 C  7  37  2  1 Updated on Jan 9



















Top languages

 C  Shell  JavaScript  HTML

 P4


People

122 >







[Invite someone](#)

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Invite someone



eckelcu Update README.md ...

Latest commit 4eabc32 on Sep 10 [History](#)

1 contributor

15 lines (9 sloc) | 1.56 KB

Raw

Blame



🔗 IETF 109 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 and remain as a reference after the hackathon. Presenters are welcome 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 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, please be sure to:

- include the [name](#) by which you are known as part of your in your GitHub profile
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Please do this 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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[Code](#) [Issues](#) 1 [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

[master](#) 1 branch 0 tags [Go to file](#) [Add file](#) [Code](#)

 **eckelcu** add template c48b9a2 1 minute ago 3 commits

 README.md	Update README.md	2 months ago
 hackathon-presentation-template....	add template	1 minute ago

README.md

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About

Presentations of project results at end of hackathon

[Readme](#)

Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)

THANK YOU!



Questions?



Let's Start Coding!

