IETF Hackathon

IETF 109
November 9-13, 2020
Online
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://tools.ietf.org/draft-ietf-masque-connect-udp)

• Not sure which project to join?
Projects

• 20+ projects on the Hackathon wiki
• Not sure which project to join?
• Check the Lost & Found
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
Gather [https://ietf.gather.town/app/L4fNNdm1NJa1sE2v/ietf](https://ietf.gather.town/app/L4fNNdm1NJa1sE2v/ietf)
Gather – Entry Point
Gather – Hackathon Tables
Gather – Hackathon Tables
Gather – Shared Documents via CodiMD
Gather – Shared Documents via CodiMD
Gather – Shared Documents via CodiMD
Gather – Whiteboards
IETF 109 Hackathon

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/1EHRq7HqcNre-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
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
- enable two factor authentication (2FA)
- send your GitHub user name to Charles Eckel

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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THANK YOU!
Questions?
Let’s Start Coding!