

# **IETF Hackathon**

**IETF 110**  
**1-5 March 2021**  
**Online**



# 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)



# Agenda

- Monday, 1 March 2021
  - Hackathon Kickoff - 17:00 - 19:00 CET (16:00 - 18:00 UTC) [Meetecho](#)
- Monday, 1 March - Friday, 5 March
  - Teams work on projects, see [Team Schedule](#)
- Friday, 5 March 2021
  - Hackathon Closing - 17:00 - 19:00 CET (16:00 - 18:00 UTC) [Meetecho](#)

## Results Presentation Schedule

Hackathon teams are welcome and encouraged to present their results during the Hackathon Closing (⇒ [Hackathon agenda](#)). Please add the name of your team and the name of the presenter to the table at the bottom of this page.

All presentations should be uploaded to ⇒ <https://github.com/IETF-Hackathon/ietf110-project-presentations>. See the ⇒ [README](#) for details.

Presenters will use the screen sharing functionality within Meetecho to drive their own presentations.

Results presentations are limited to 5 minutes each. You are welcome to include more information in what you upload to ⇒ <https://github.com/IETF-Hackathon/ietf110-project-presentations>, but please plan for what you share at the Hackathon closing to fit within the 5 minute time limit.

During the Hackathon Closing, we will run through the presentations in the order listed in the table below.

Project Name	Presenter's name
Application-aware G-SRv6 networking	Jianwei Mao
Network Telemetry with BMP and YANG Push	Thomas Graf
YANG model for network tester	Vladimir Vassilev
ns-3 models for L4S, TCP, and AQM	Tom Henderson
Big Bang :	Sebastian Benthall
QUIC Measurements	Jari Arkko
ASDF/WISHI	Charles Eckel (on behalf of Carsten Bormann)
Interface to Network Security Functions (I2NSF)	Jaehoon (Paul) Jeong
IP Wireless Access in Vehicular Environments (IPWAVE)	Jaehoon (Paul) Jeong
RATS & co	Thomas Fossati
BMWG-Containerized Network Benchmarking	KJ Sun
DNS XoT	Willem Toorop



# 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***

109 hackathon

Charles Eckel  
HACKATHON CHAIR

Unmute Audio 28.0 kbps

mute all mute audience

PARTICIPANTS

- Thomas Graf PARTICIPANT
- Dhruv-Dhody- JABBER USER
- Alessandro Amirante MEETECH
- Barry Leiba JABBER USER
- Barry Leiba\_ JABBER USER
- Benson Muite PARTICIPANT
- Bien Mugabarigira PARTICIPANT
- Carsten Bormann PARTICIPANT
- Dhruv Dhody PARTICIPANT
- Dieter Sibold PARTICIPANT
- Dominique Barthel PARTICIPANT
- englishm JABBER USER
- Fabio Bulicarella

What we learned

- Good
  - With the 4<sup>th</sup> hackathon, nice team collaboration and good spirit.
  - Slack helped to keep connected through different time zones.
- Bad
  - Yet again, missing beers and cocktails after ☺

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audio in: 28 kbps recording

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

The screenshot shows the GitHub interface for the IETF-Hackathon repository. The repository name is **IETF-Hackathon**, with a description: "Repository for sharing code, presentations, and other artifacts at IETF hackathons". The email address `hackathon@ietf.org` is listed. The repository has 25 repositories, 129 people, and 129 teams. The repository **ietf110-project-presentations** is highlighted with a red box. It is described as "Presentations of project results at end of hackathon" and has 1 HTML file, 1 star, 0 issues, 0 forks, and was updated 6 days ago. Other repositories shown include **ietf109-project-presentations** (1 fork, 3 stars, 1 issue, 0 forks, updated on Nov 19, 2020) and **NSDCatZ** (1 Python file, 1 star, 0 issues, 0 forks, updated on Nov 19, 2020). The right sidebar shows "Top languages" (C, Python, HTML, Shell, P4) and "People" (129).

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# ASDF/WISHI

- Joint project led by T2TRG and ASDF chairs
- Validate SDF 1.1, semantic proxying, trying mapping files, ...  
→ <https://github.com/t2trg/2021-03-hackathon/wiki>
- Had an exploratory hackathon with two pieces of code coming out that will aid with model transformation
- Hackathon presentations and discussion slots next Thursday
  - ASDF WG: 13:00 – 15:00 CET (12:00 – 14:00 UTC)
  - T2TRG: 17:00 – 19:00 CET (16:00 – 18:00 UTC)

THANK  
YOU!



# Wrap-up

Hackathon Survey:

[https://ietf.iad1.qualtrics.com/jfe/form/SV\\_07yIblomPdYctBs](https://ietf.iad1.qualtrics.com/jfe/form/SV_07yIblomPdYctBs)

Hackathon Draft:

<https://datatracker.ietf.org/doc/draft-eckel-shmoo-ietf-hackathon/>

# See you next time – hopefully in person!

