IETF 123 Hackathon

Madrid, 19-20 July 2025

This session is being recorded

Internet Engineering Task Force
© 2025 IETF Trust
Production by Meetecho

Welcome !

- First IETF Hackathon?

Welcome !

- First IETF Hackathon?
- First IETF event?

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

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 discussions
  - Produce sample code, reference implementations, utilities
- Attract developers, new people to IETF
  - Match new, skilful developers with IETF veterans
  - University engagement

We believe in rough consensus and running code

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 pointyou 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:

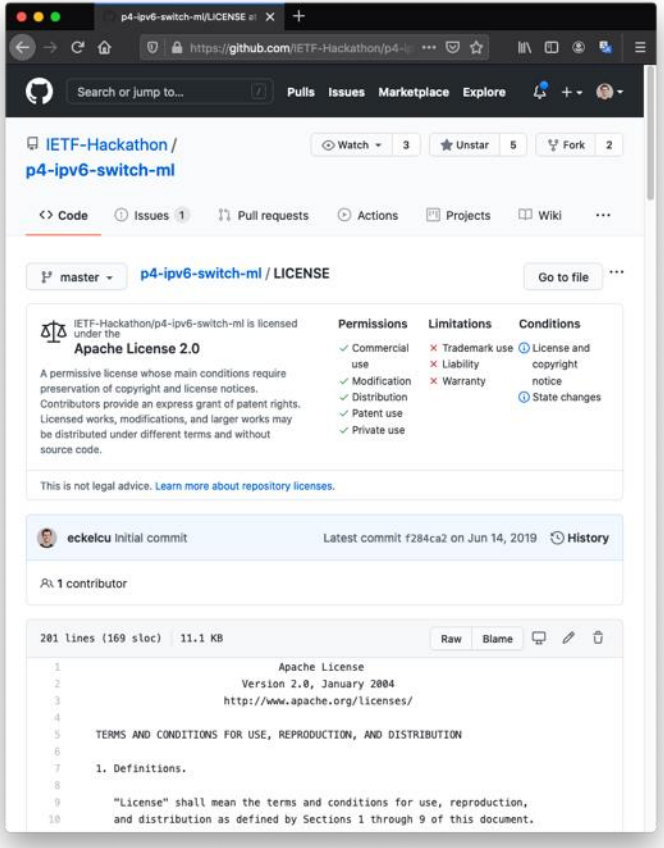
- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant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

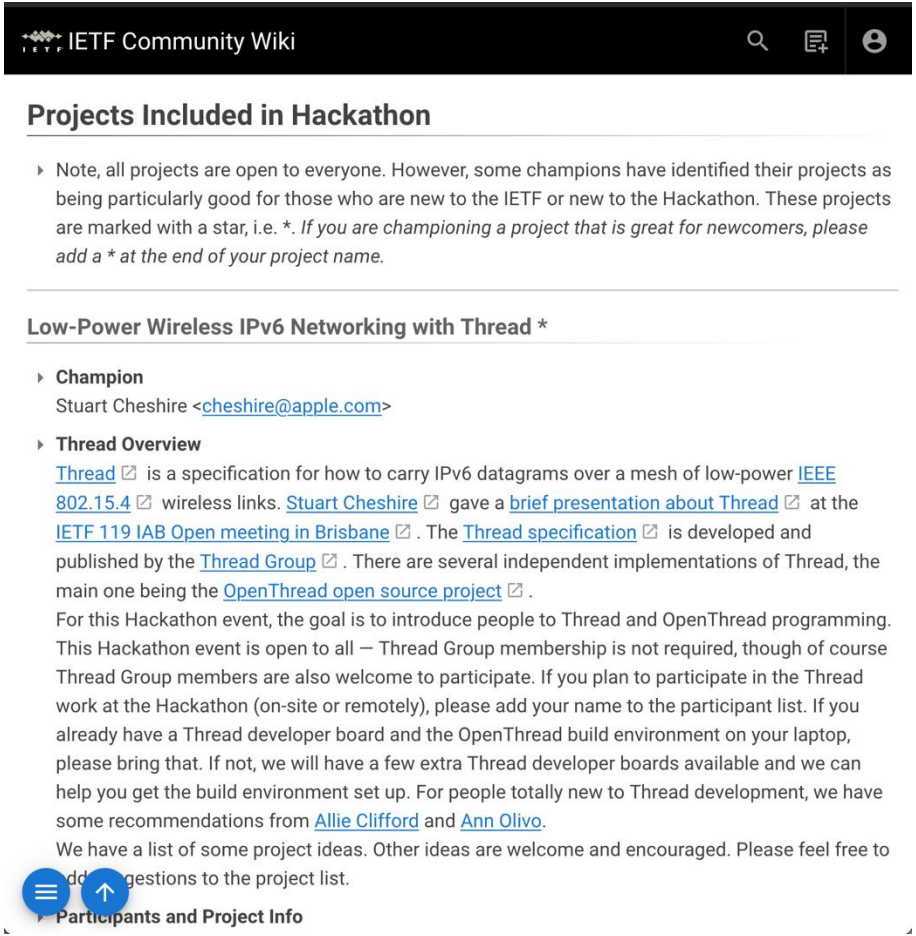
Code Contribution Guidelines

- 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



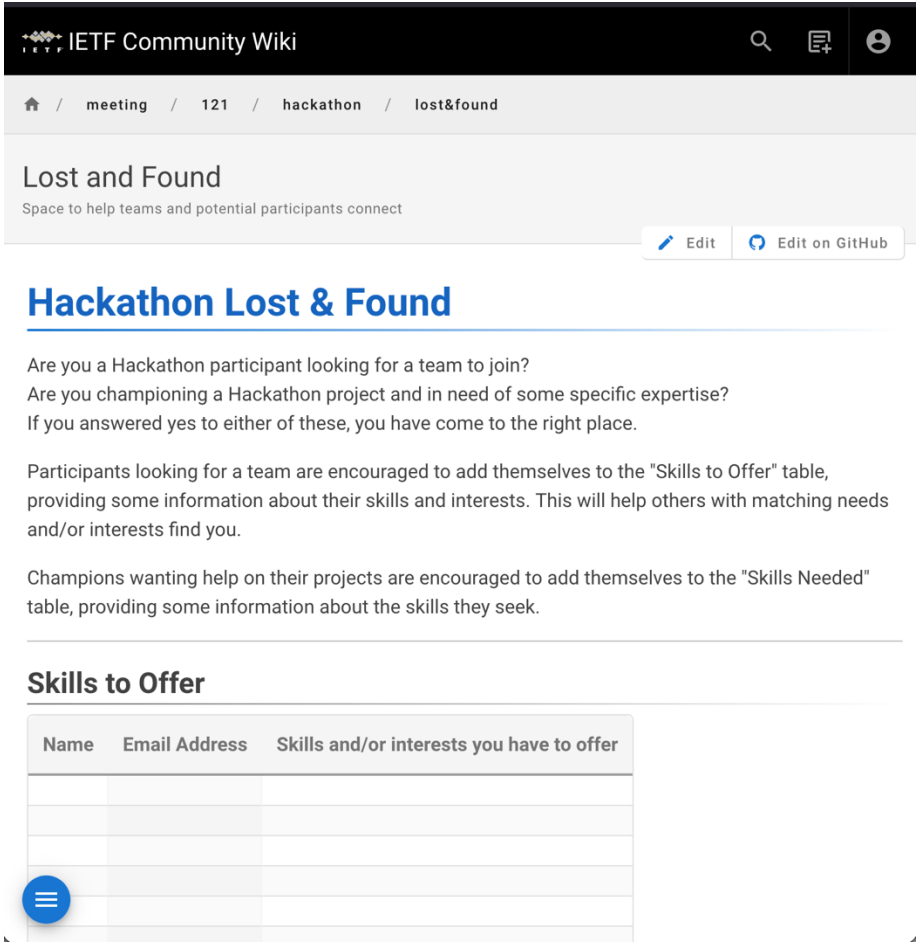
Projects

- On the Hackathon wiki



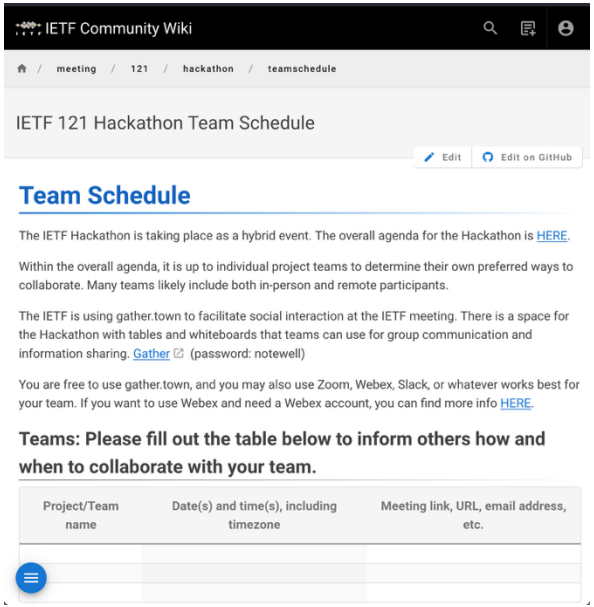
Projects

- On the Hackathon wiki
- Not sure which project to join?
- Check the Lost & Found



Agenda - Saturday

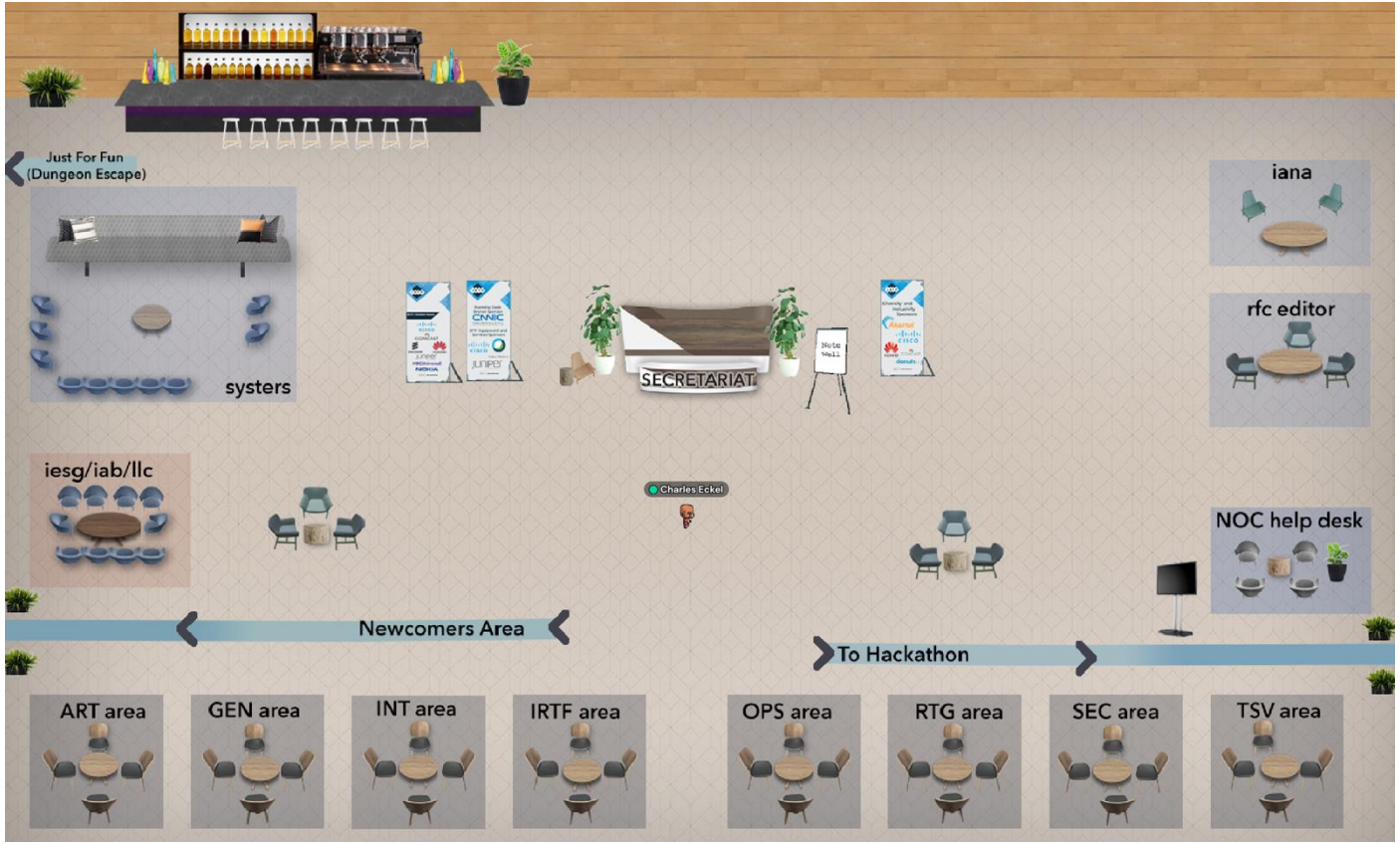
- **09:30** : Room open for setup by project champions
- **10:00** : Room open for all - pastries and coffee provided
- **10:30** : Hackathon kickoff, Meetecho
- **10:45** : Form Teams, see Team Schedule
- **12:30** : Lunch provided
- **15:30** : Afternoon break – snacks provided
- **18:30** : Dinner provided
- **21:00** : Room closes



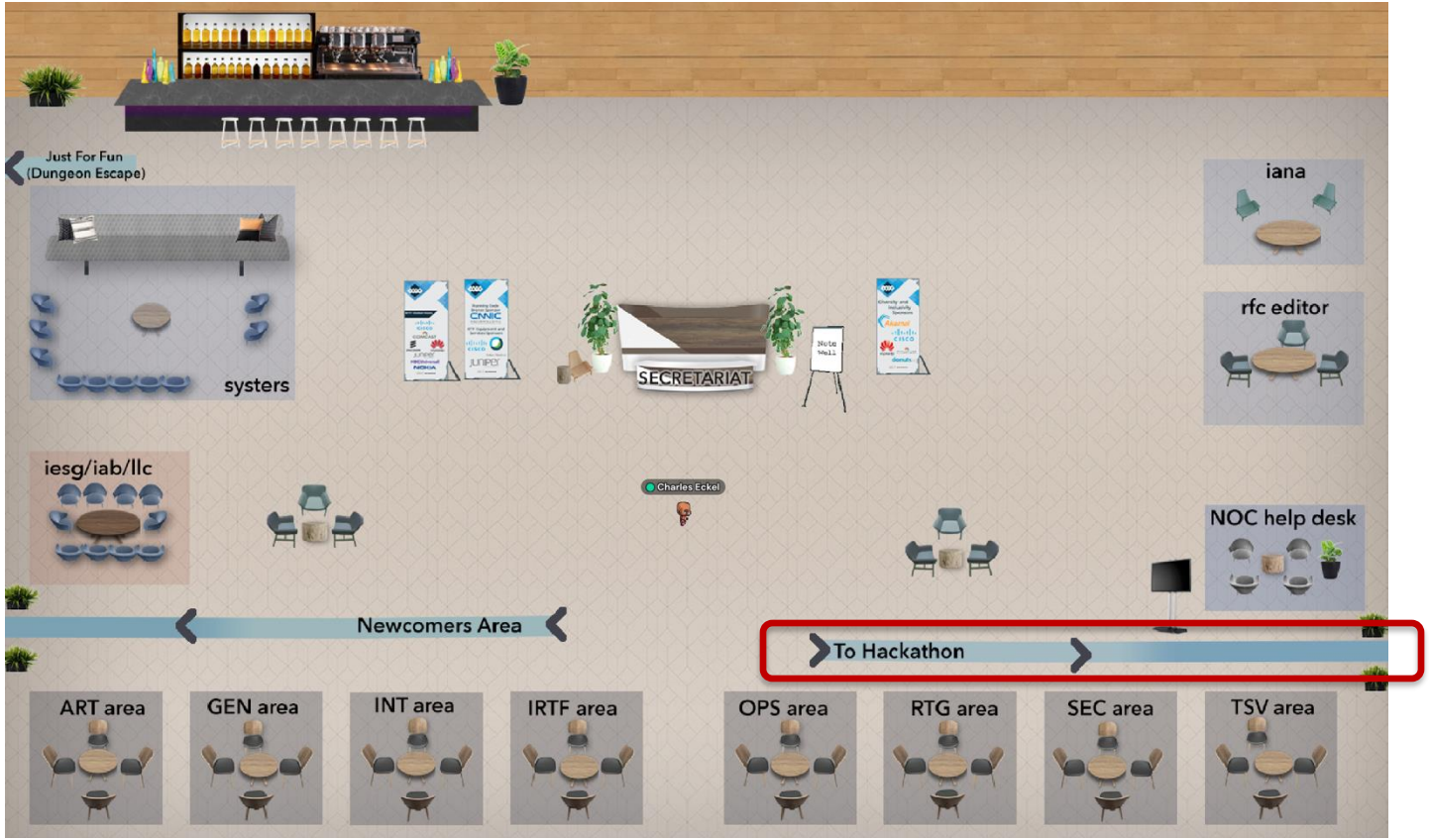
Agenda - Sunday

- **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, Datatracker & Meetecho
- **16:00** : Hackathon ends

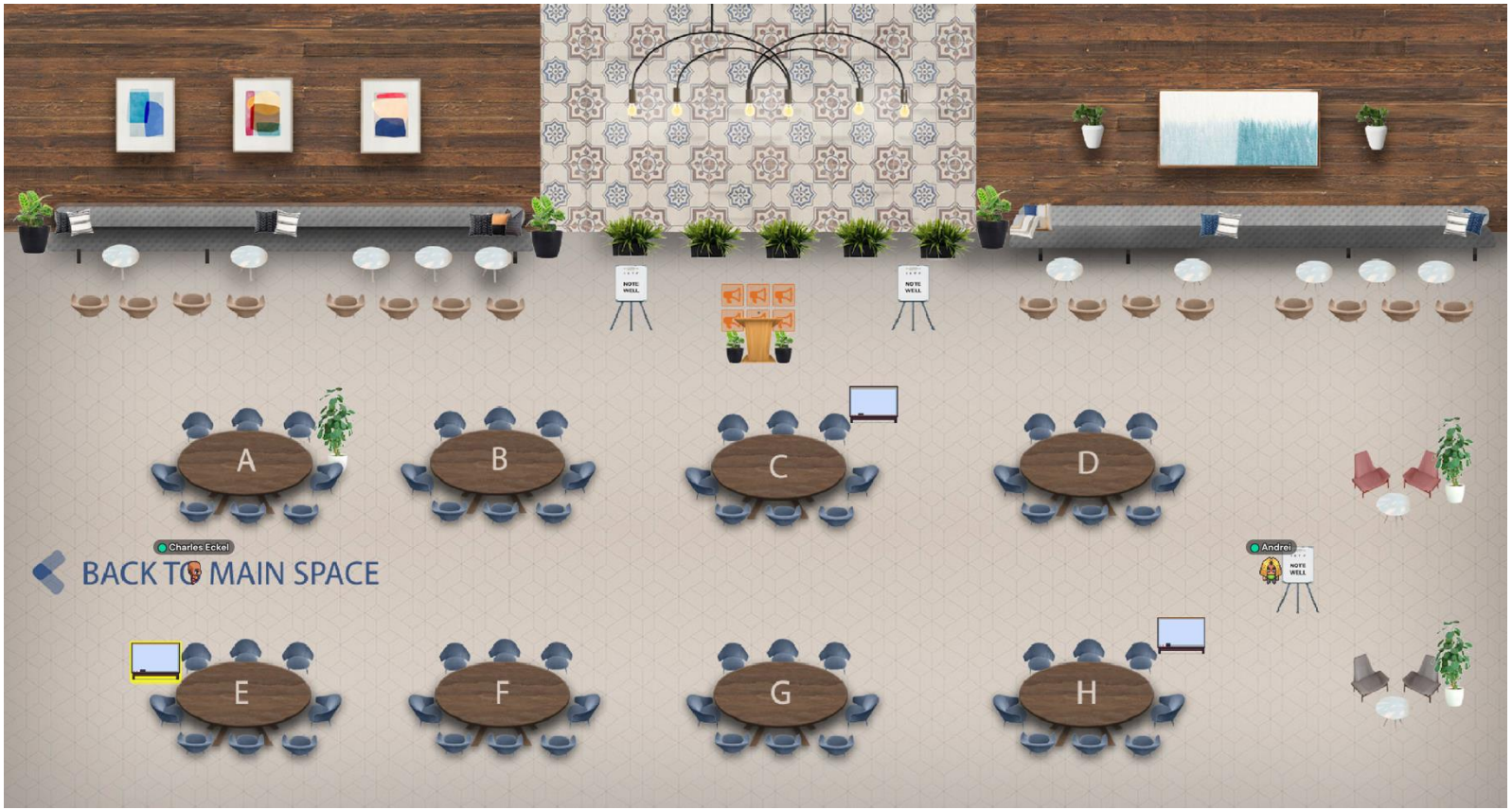
Gather https://app.gather.town/app/L4fNNdm1NJa1sE2v/ietf



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/123/hackathon/hacknet_instructions)
- Anyone with their own AP?
  - 5 GHz: Channel 36 only, 20 MHz channels
  - 2.4 GHz

Results Presentations

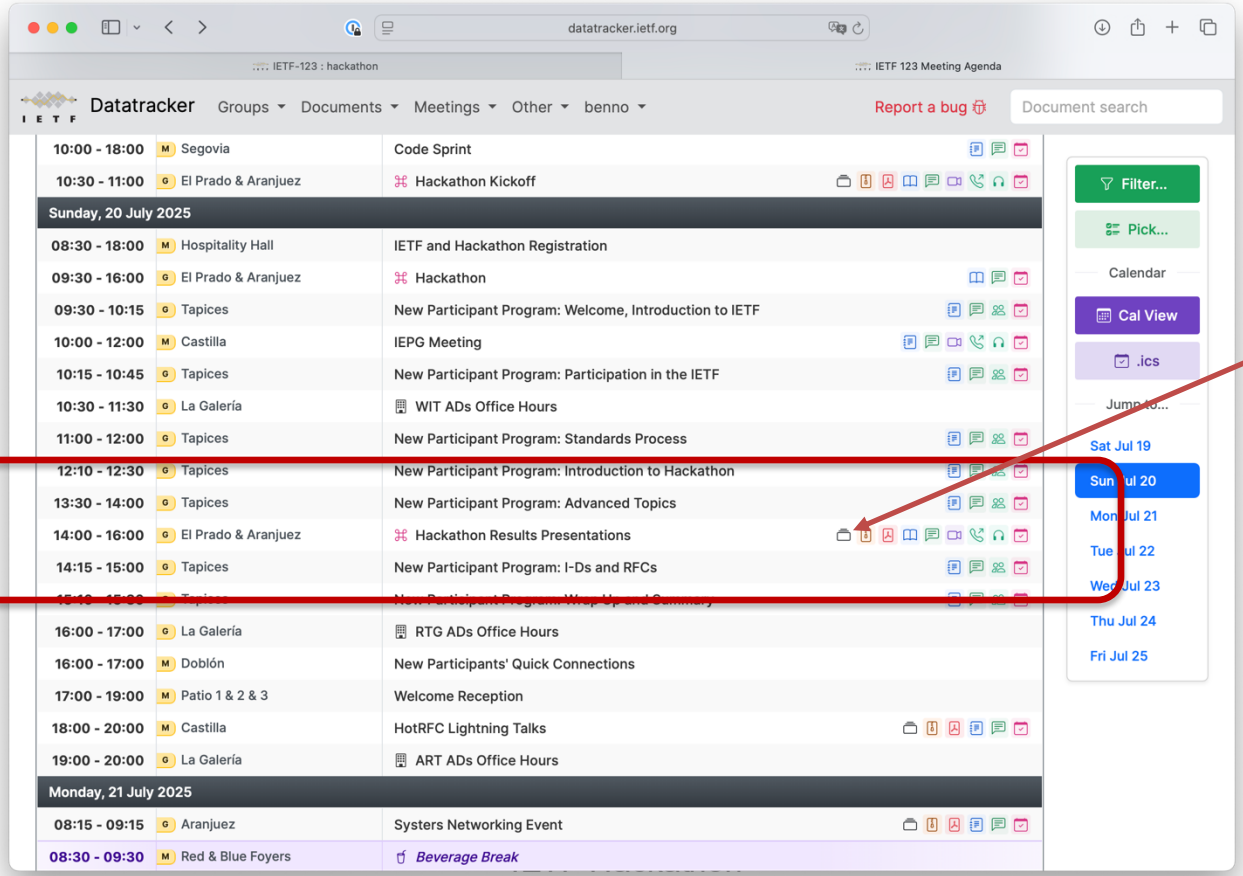
1. What problem you tried to solve?
2. What you achieved?
3. Highlights
   - Lessons learned
   - Feedback to working group
   - Open source, other SDOs

3 minutes or less

Datatracker for Hackathon Presentations

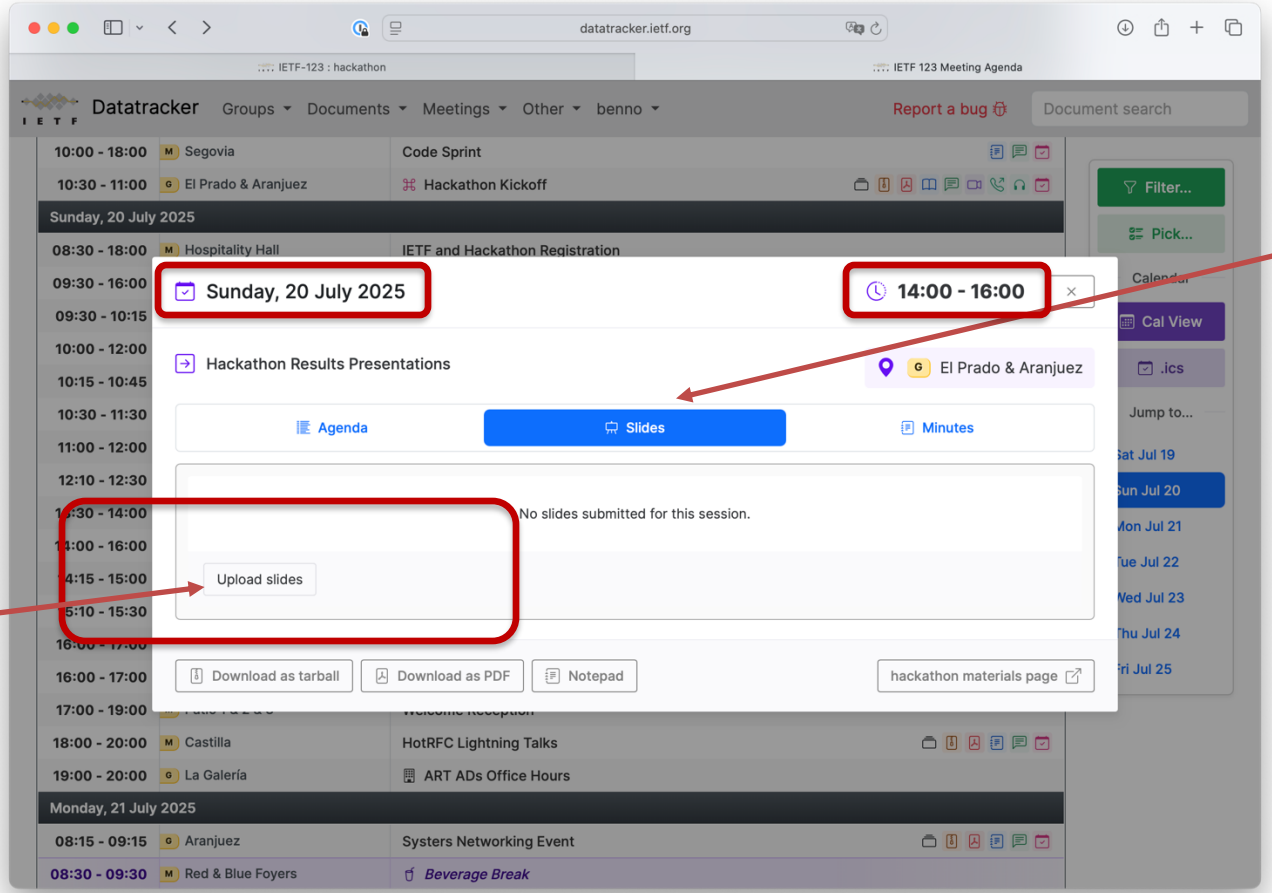
- IETF 120 pilot with **option** using datatracker for presentations
  - Using datatracker and MeetEcho integration
  - Hackathon presentations are part of the IETF proceedings
  - Positive feedback and successful evaluation after the event
- Since IETF 121 **exclusively** using datatracker for presentations
  - GitHub remains available for sharing code and additional resources, such as presentation templates

Uploading Presentations to Datatracker



Upload slides to datatracker

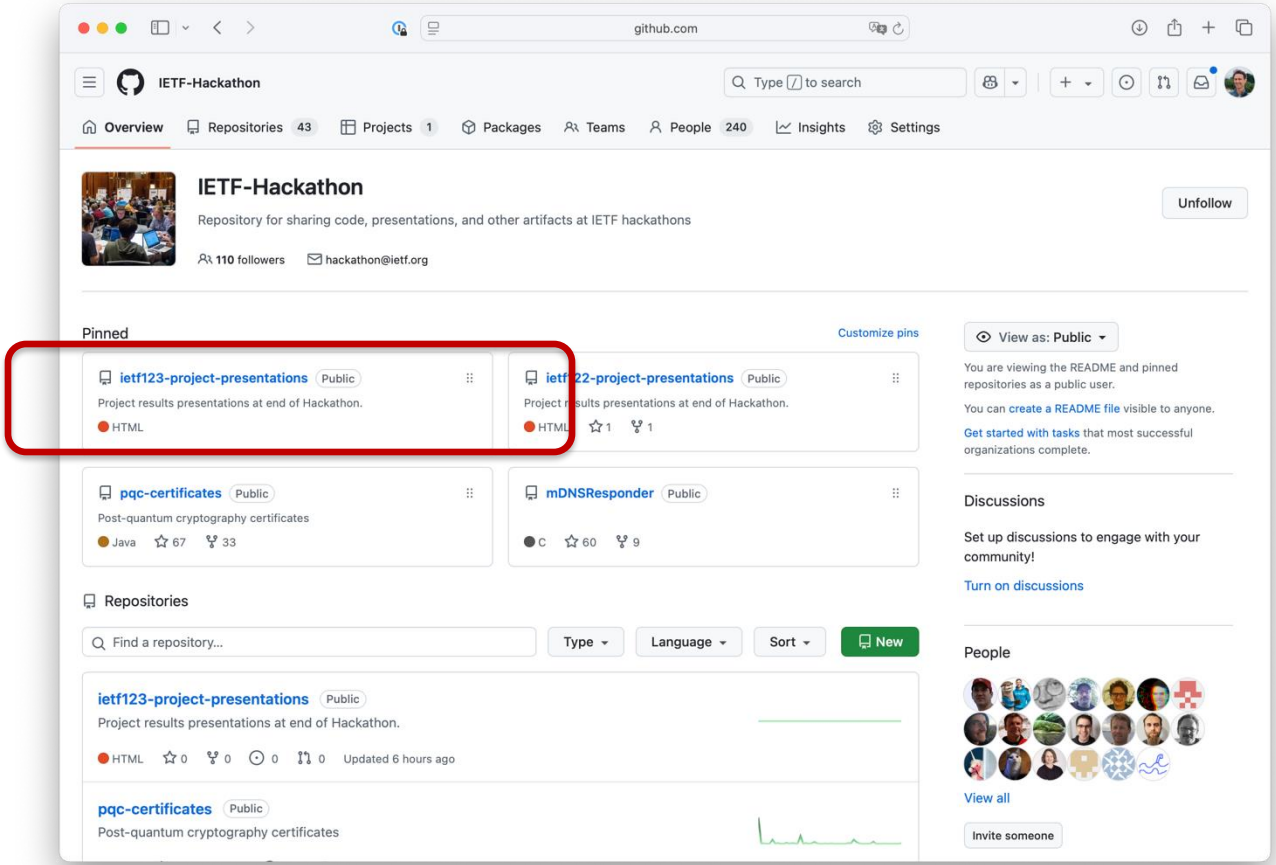
Uploading Presentations to Datatracker



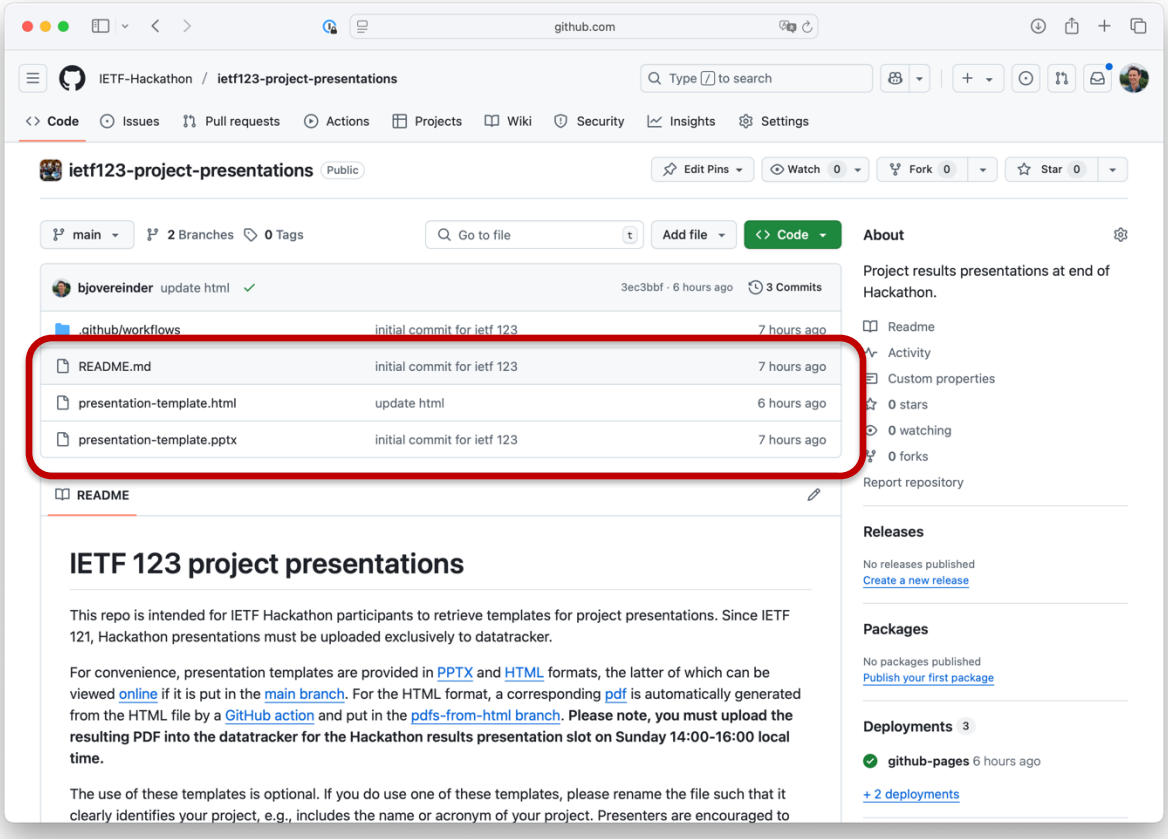
Slides tab

Upload slides

https://github.com/ietf-hackathon

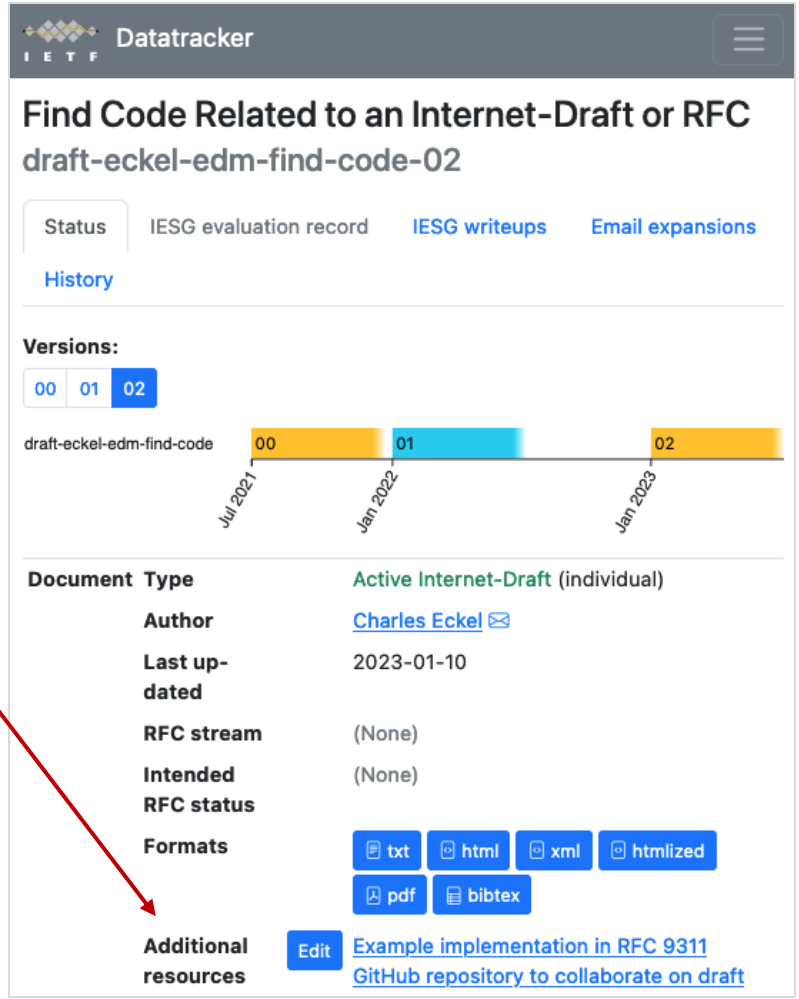


https://github.com/IETF-Hackathon/ietf123-project-presentations



related-implementations

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

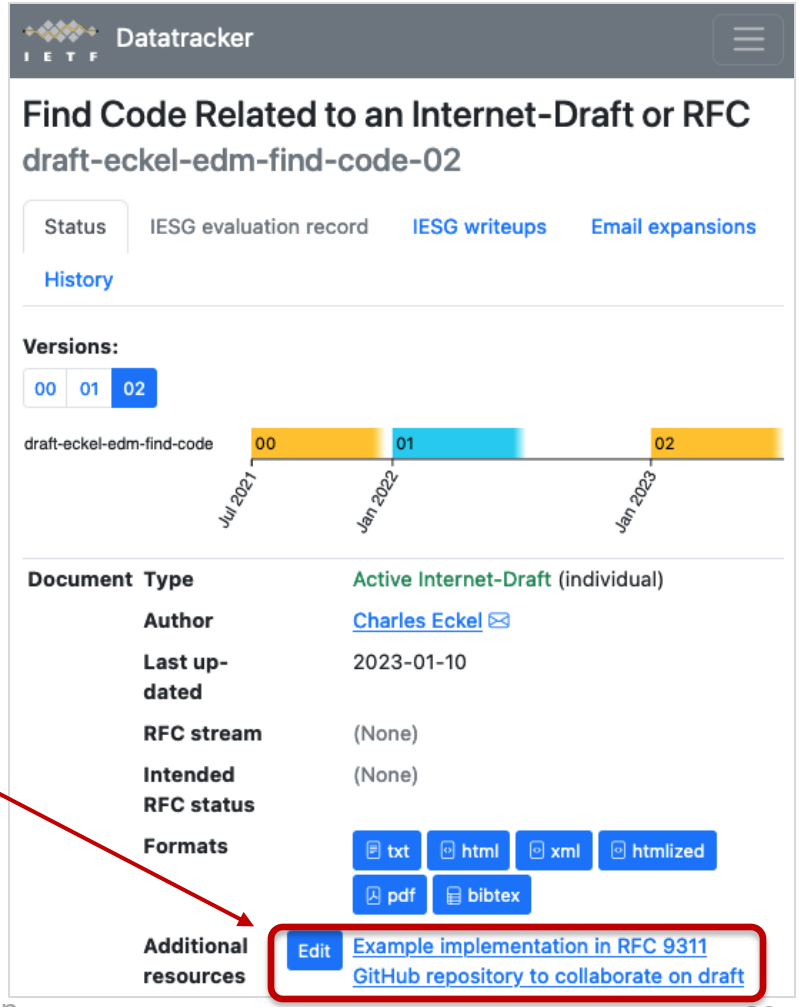


related-implementations

Additional Resources

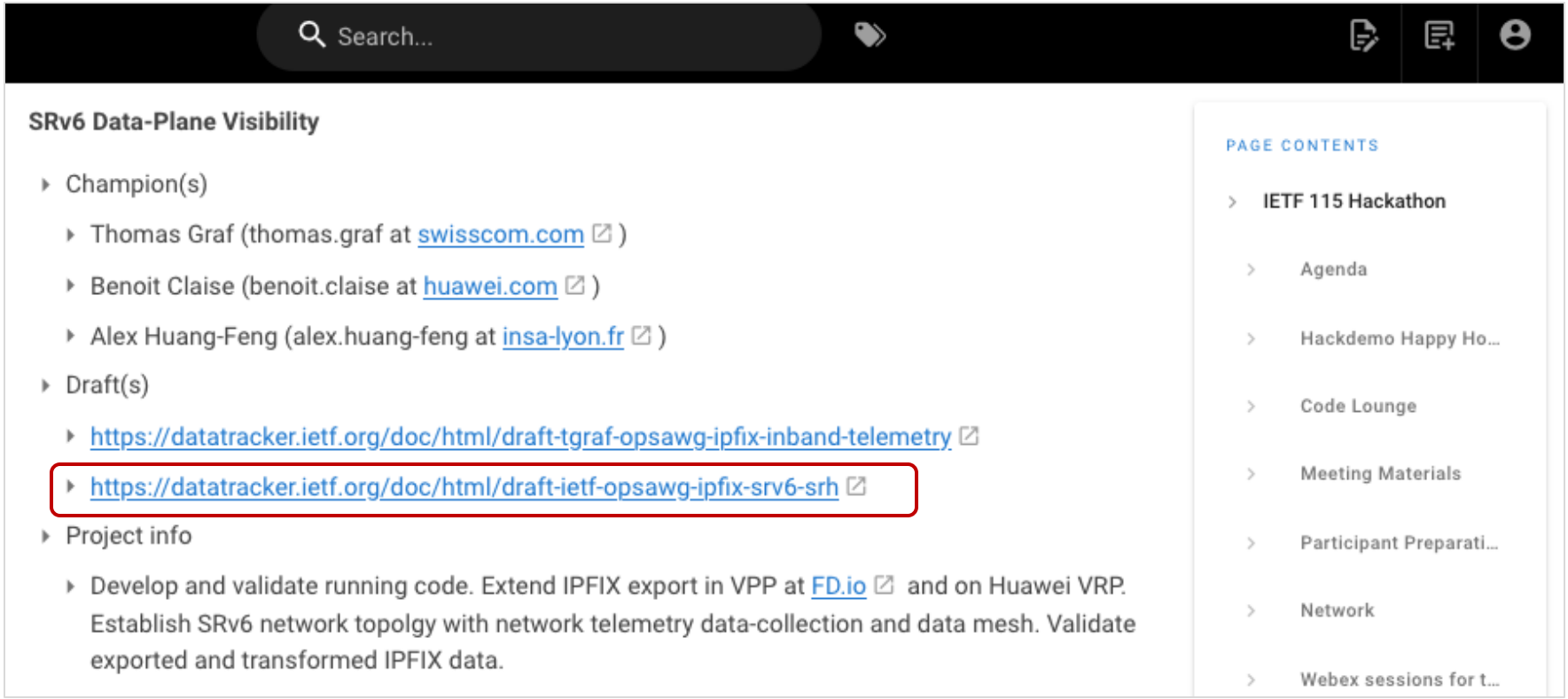
```
github_repo https://github.com/eckelcu/draft-eckel-edm-find-code
(GitHub repository to collaborate on draft)
related_implementations https://datatracker.ietf.org/doc/rfc9311/
(Example implementation in RFC 9311)
```

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



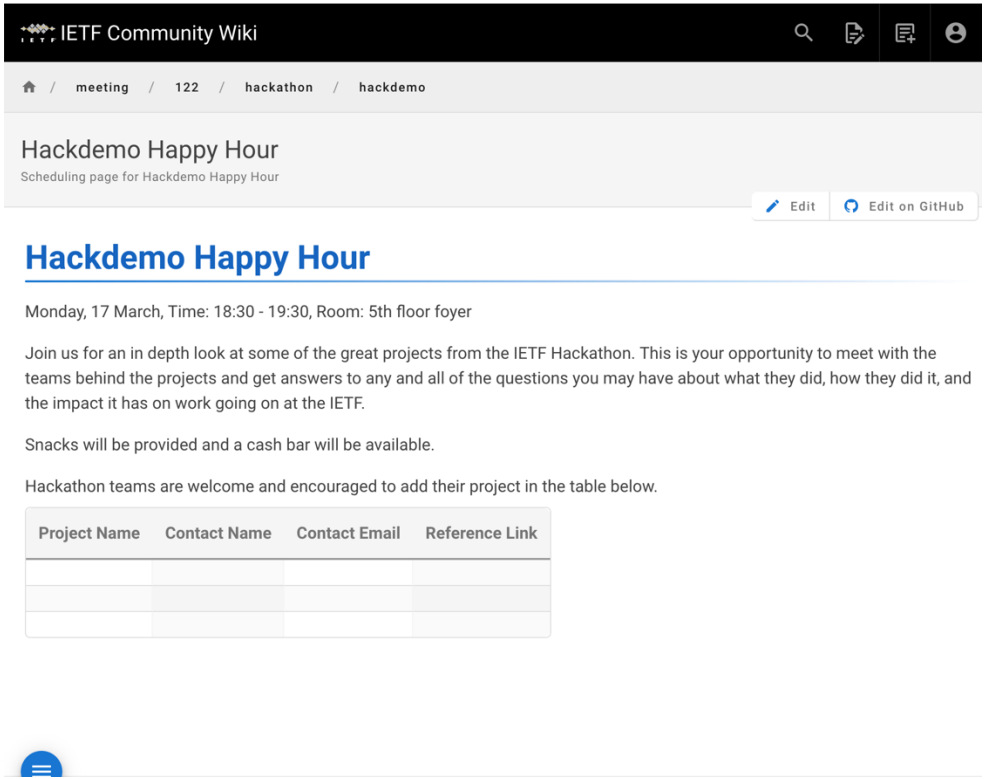
Links to standards and code in wikis

https://wiki.ietf.org/en/meeting/115/hackathon



Hackdemo Happy Hour

- Share hackathon projects with IETF Community
- Room: Red Foyer
- Monday 19:00 – 20:00
- Register your team
  - MUST REGISTER BY 13:00 MONDAY, 21 JULY



Code Lounge

- Room: Doblón (Main Floor)
- Shared workspace
- Collaborate on running code

Running Code Sponsors - THANK YOU!

Questions?

* Photos thanks to © Stonehouse Photographic / Internet Society