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
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
<table>
<thead>
<tr>
<th>Project Name</th>
<th>Presenter's name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application-aware G-SRV6 networking</td>
<td>Jianwei Mao</td>
</tr>
<tr>
<td>Network Telemetry with BMP and YANG Push</td>
<td>Thomas Graf</td>
</tr>
<tr>
<td>YANG model for network tester</td>
<td>Vladimir Vassilev</td>
</tr>
<tr>
<td>ns-3 models for L4S, TCP, and AQM</td>
<td>Tom Henderson</td>
</tr>
<tr>
<td>Big Bang:</td>
<td>Sebastian Benthall</td>
</tr>
<tr>
<td>QUIC Measurements</td>
<td>Jari Arkko</td>
</tr>
<tr>
<td>ASDF/WISHI</td>
<td>Charles Eckel (on behalf of Carsten Bormann)</td>
</tr>
<tr>
<td>Interface to Network Security Functions (I2NSF)</td>
<td>Jaehoon (Paul) Jeong</td>
</tr>
<tr>
<td>IP Wireless Access in Vehicular Environments (IPWave)</td>
<td>Jaehoon (Paul) Jeong</td>
</tr>
<tr>
<td>RATS &amp; co</td>
<td>Thomas Fossati</td>
</tr>
<tr>
<td>BMWG-Containerized Network Benchmarking</td>
<td>KJ Sun</td>
</tr>
<tr>
<td>DNS XoT</td>
<td>Willem Toorop</td>
</tr>
</tbody>
</table>
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

Hackathon Draft:
See you next time – hopefully in person!