PLEASE WEAR A MASK

- Participants in sessions and other IETF-controlled rooms will be required to wear an FFP2/N95 mask, KN95/KF94/FFP3 masks, or locally certified equivalents. The only exception is for chairs or presenters who are actively speaking; participants making comments or asking questions from the floor microphones are expected to remain masked.

- Free masks are available in the IETF registration area.
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/](https://www.ietf.org/privacy-policy/) (Privacy Policy)
IETF 114 Online Meeting Tips

For participants joining by Meetecho:

● Your audio will be muted and video will be off when you join
● Unmute only when you are recognized in the queue
● Video is welcome when you are speaking in the queue
● Use of a headset is strongly recommended
● More details:
  https://www.ietf.org/how/meetings/technology/meetecho-guide-participant/
Agenda

● Welcome
  Lars Eggert
● Host Presentation
  Jason Livingood
● Brief Updates
  IETF Chair & IESG
  Lars Eggert
  IAB
  Mirja Kühlewind
  IRTF
  Colin Perkins
  NomCom
  Rich Salz
  IETF LLC
  Greg Wood, Jason Livingood
  Trust
  Joel Halpern
● In Memoriam
● Open Mic Sessions
  IESG, IAB, IETF LLC
Thank you to our meeting hosts!
Thank you to everyone who helped make this meeting happen!
IETF Chair & IESG Report

Lars Eggert
IETF Chair Report

- Participant Statistics
- Reported COVID Cases at IETF
- Planning for Future Meetings
- Currently Running Experiments
- Topics Covered Online
IETF 114 Participant Statistics as of 2022-07-27

- **1395** registrations
  - **619** on-site
  - **776** remote
- Fee waivers - Remote
  - **276** granted
  - **234** used
- Fee waivers - Onsite
  - IETF: **2** requests, **1** granted
  - IRTF: **7** requests, **6** granted
- **273** Hackathon registrations
  - **223** on-site
  - **50** remote
  - **25** projects

Detailed attendance stats will be posted after the meeting.
IETF 114 Participant Statistics as of 2022-07-26

Onsite

Total 619

- USA: 61.1%
- Switzerland: 1.6%
- Netherlands: 2.4%
- South Korea: 2.6%
- France: 2.6%
- Canada: 4.4%
- United Kingdom: 4.5%
- Germany: 4.7%
- Others: 16.2%

Remote

Total 776

- USA: 29.5%
- China: 18.8%
- France: 2.4%
- Canada: 3.2%
- India: 5.1%
- Japan: 5.4%
- United Kingdom: 4.3%
- Germany: 7.5%
- Others: 23.7%
Reported COVID Cases at IETF

- 9 reported COVID cases at IETF 114 as of 2022-07-27
  - 1.55% of checked-in onsite attendees
- 9 reported COVID cases at IETF 113, including those who reported shortly after returning home
  - 2.87% of checked-in onsite attendees

Free tests are available in the IETF registration area. If you test positive, please send email to support@ietf.org.
Planning for Future Meetings (1/2)

- Fully online meetings had shorter days than pre-COVID meetings
  - That means less session time for groups to meet
- We kept that unchanged for the first hybrid meetings (IETFs 113 and 114)
- For 114, the IESG had to limit each group to at most 2h of meeting time
  - Total requested session time was much greater than available session time
  - Not ideal for groups that could have made productive use of additional session time
Planning for Future Meetings (2/2)

- What should we do for future (hybrid) meetings?
  - Nothing (= keep cutting requests to match available session time)
  - Longer days (i.e, pre-COVID day structure; possibly not good for remote participants)
  - Add another track (this will increase conflicts and reduce participation)
  - A combination of the above? Something else?

- Fill out the IETF post-meeting survey and give us input!
Currently running experiments and planned actions (1/2)

- RFC 8989 NomCom Eligibility Experiment
  - On Oct 8, 2021, the IESG communicated its decision to prolong the RFC 8989 experiment for a second and final year. On Jul 9, 2022, the IESG provided additional clarifications on that extension of the RFC 8989 experiment. In short, the IESG has decided:
    i. To count participation in either in-person or online components of hybrid meetings during the 2022-23 NomCom cycle towards establishing RFC 8989 “path” 1 NomCom eligibility
    ii. To instruct the Tools team to correct a bug and restore accurate attendance information in the database to correctly take session attendance into account for “path 1” eligibility, as RFC 8989 intended
Currently running experiments and planned actions (2/2)

- Continuing BOF deadline schedule experiment
  - For IETF 114, the IESG scheduled additional time between the BOF submission deadline and the BOF approval deadline to provide time for area directors to work with BOF proponents to refine their proposals. If you have feedback on this scheduling change, please send it to iesg@ietf.org.
IESG Announcements

- 2022-07-09: Clarifications on the IESG decision to continue the RFC8989 experiment
- 2022-05-09: Public archival of AUTH48 communications for IETF-stream RFCs
Topics Covered Online

- 0 Appeals since IETF 113
- 0 IESG Statement since IETF 113

- More, including reports from the IAB, IETF LLC Board, Secretariat, and IANA: https://datatracker.ietf.org/meeting/materials/

- IETF Blog: https://www.ietf.org/blog/
Internet Architecture Board (IAB)
Mirja Kühlewind
The full IAB report can be found on the IAB webpage and in the proceedings:


The IAB created two new Administrative Support Groups

- IETF-IEEE Group to support coordination activities between IETF and IEEE 802 as documented in RFC 7241
- IAB-ISOC Policy Coordination Group to inform and coordinate various Internet policy related activities of both the Internet Society and the IAB

For feedback or questions, feel free to send mail to iab@iab.org or iab-chair@iab.org!
IAB Workshop on Management Techniques in Encrypted Networks (M-TEN)

The aim of this workshop is to provide a platform to explore the interaction between network management and traffic encryption and initiate new work on collaborative approaches that promote security and user privacy while supporting operational requirements.

As such the workshop aims to address the following questions:

- What are actionable network management requirements?
- Who is willing to work on collaborative solutions?
- What are the starting points for collaborative solutions?

For further information see https://www.iab.org/activities/workshops/m-ten/

If you're interested in participating, please submit a research proposal by 2022-08-19 to mten-workshop-pc@iab.org
Appointments and Open Calls

- The IAB appointed
  - Victor Kuarsingh to the Internet Society Board of Trustees (ISOC BoT)
  - Vittorio Bertola to the 2023 ICANN Nominating Committee
  - Jim Reid to the ICANN Root Server System Governance Working Group (GWG)
  - Tim Wicinski to the Community Coordination Group (CCG)
- Thanks to all for serving!

- The IAB is currently looking for a new liaison manager to ISO/IEC JTC1 SC6.
  - If you are interested, please send a brief note to liaison-coordination@iab.org that explains your interest, your background, availability to attend meetings, and potential conflicts of interest!
- The IAB is reviewing the IETF appointment to the ICANN Root Zone Evolution Review Committee and the IETF Liaison to the ICANN Board of Directors.
  - Please send feedback to iab-chair@iab.org and execd@iab.org by Tuesday, 2022-07-26!
RFC Editor Model v3 is up and running!

- RFC 9280: RFC Editor Model (Version 3) published!
- Pete Resnick and Eric Rescorla selected as RFC Series Working Group (RSWG) chairs! Thanks!
  - First RSWG was held on Monday! (rswg@rfc-editor.org)
- First RFC Series Approval Board (RSAB) was held on Monday as well! (rsab@rfc-editor.org)
  - Mirja Kühlewind selected as RSAB chair until March 2023
- RSCE recruiting is on-going!
- RFC Editor Future Development program and the RFC Series Oversight Committee (RSOC) have been closed.
  - Thanks to everybody in both programs, especially Peter Saint-Andre as the editor and RSOC chair, and Eliot Lear & Brian Rosen!
Internet Research Task Force (IRTF)

Colin Perkins
The Applied Networking Research Prize recognises:

- the best recent results in applied networking
- interesting new research ideas of potential relevance to the Internet standards community
- and upcoming people that are likely to have an impact on Internet standards and technologies
Two ANRP award talks presented during the IRTF open meeting earlier this week:

- **Tushar Swamy** for his work on data plane architectures for line-rate inference
- **Sam Kumar** for his work on TCP for low-power wireless networks

Recordings available at [https://irtf.org/anrp/](https://irtf.org/anrp/) and on the IETF Channel on YouTube
• Look out for award talks by Gautam Akiwate, Corrine Cath and Daniel Wagner at IETF 115

• Nominations for the 2023 awards will open in September 2022 at https://irtf.org/anrp/
Applied Networking Research Workshop

• ACM/IRTF Applied Networking Research Workshop 2022 took place yesterday:
  • Thanks to the TPC Chairs: Tijay Chung & Marwan Fayed
  • Four research papers, one keynote, and invited talks on novel approaches to protocol specification
  • [https://irtf.org/anrw/2022/](https://irtf.org/anrw/2022/)

• The next ANRW will co-locate with IETF 117 in San Francisco, in July 2023
IRTF Travel Grants

• The IRTF is pleased to offer travel grants to support early career academics and PhD students from under-represented groups to attend the IRTF meetings co-located with the IETF

• We also offer travel grants to attend the ACM/IRTF Applied Networking Research Workshop and make a small number of meeting fee waivers available

• See https://irtf.org/travelgrants for details

• Thank you to our sponsors – please contact the IRTF Chair if you wish to help expand these programmes
NomCom 2022-2023
Rich Salz
We're running behind
Calendar

Volunteering closed.

Committee to be picked next Wednesday

Flurry of NomCom meetings over the next month

I think we'll make up the late start and should follow standard procedure in a few weeks.
Liaisons / Positions

Don't pick, vote on all other issues, advise the committee:

- IAB: Cullen Jennings
- IESG: Martin Duke
- IETF LLC: Jason Livingood
- IETF Trust: Kathleen Moriarty
- NomCom: Gabriel Montenegro

Open positions and job descriptions:

- See ietf-announce email / NomCom datatracker pages
IETF Administration LLC
Thank you to the IETF 114 Hosts

COMCAST

NBCUniversal
Thank you to the IETF 114 Hosts
Thank you to the IETF 114 sponsors

Equipment and Services Sponsors

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Juniper
webex by CISCO
IETF Administration LLC
Thank you to the IETF 114 sponsors

Gold Diversity and Inclusion Sponsors

Akamai

CISCO
About childcare at IETF 114

The availability of childcare as an option makes it much easier to attend IETF in person...I spent more of my time planning for the actual sessions...I hope that it will continue to be offered.”

My kids love the activities provided by excellent care takers! It's been great bringing them to a new city that we can explore together when I'm not in sessions. They just wish there were more kids to play with.

Send questions and suggestions to support@ietf.org
Gold Sustainability Sponsor

ORACLE

Cloud Infrastructure
IETF Administration LLC
Thank you to the IETF 114 sponsors

Silver Sponsor
Diversity & Inclusion

Bronze Sponsors
Diversity & Inclusion

Running Code

Connectivity Sponsors

Running Code

Netrality Data Centers
Making the Internet work better

IETF Administration LLC
Thanks to the many generous volunteers

Codesprint
Benson Muite
Éric Vyncke
Jean Mahoney
Jim Fenton
Justin Iurman
Lars Eggert
Martin Thomson
Peter Yee
Rich Salz
Russ Housley
Tero Kivinen
Valery Smyslov

NOC
Bill Fenner (Arista)
Bill Jensen (University of Wisconsin–Madison)
Clemens Schrimpe
Hans Kuhn (NSRC)
Hirochika Asai (Preferred Networks/WIDE)
Joe Clarke (Cisco)
Karen O'Donoghue (ISOC)
Lucy Lynch
Rob Austein (Arrcus/DRL)
Warren Kumari (Google)
# Thanks to the entire hard working team

## Secretariat
- Alexa Morris
- Amy Vezza
- Cindy Morgan
- Glen Barney
- Jenny Bui
- Laura Nugent
- Lindsey Gil
- Liz Flynn
- Maddy Master
- Michelle Cotton
- Paige Mustafa
- Ryan Cross
- Stephanie McCammon

## NOC
- Con Reilly
- Nick Kukich
- Rick Alfvin
- Stetson Alfvin
- Sean Croghan

## Meetecho
- Alessandro Amirante
- Alessandro Toppi
- Lorenzo Miniero
- Paolo Saviano
- Simon Pietro Romano
- Tobia Castaldi

## Tools
- Jennifer Richards
- Margaret Cullen
- Mark Donnelly

## LLC
- Greg Wood
- Lee-Berkeley Shaw
- Robert Sparks
- Kesara Rathnayake
- Nick Giard
IETF Administration LLC
Staff

Jay Daley
IETF Executive Director

Greg Wood
Director of Communications and Operations

Lee-Berkeley Shaw
Director of Development

Robert Sparks
Tools Team PM

Kesara Rathnayake
Senior Software Development Engineer

Nick Giard
Senior Software Developer
Thanks to all of our Global Hosts and Global Supporters
Sponsorship opportunities available!
Contact: sponsorship@ietf.org
IETF 116 Yokohama
25-31 March 2023

Hosted by

Making the Internet work better
## Future meeting locations and venues

<table>
<thead>
<tr>
<th>MEETING LOCATION</th>
<th>VENUE</th>
<th>DATES</th>
<th>HOSTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IETF 115 – London</td>
<td>Hilton London Metropole</td>
<td>November 5-11, 2022</td>
<td>*</td>
</tr>
<tr>
<td>IETF 116 – Yokohama</td>
<td>Pacifico</td>
<td>March 25-31, 2023</td>
<td>WIDE</td>
</tr>
<tr>
<td>IETF 117 – San Francisco</td>
<td>Hilton Union Square</td>
<td>July 22-28, 2023</td>
<td>Nokia</td>
</tr>
<tr>
<td>IETF 118 – Prague</td>
<td>Hilton Prague</td>
<td>November 4-10, 2023</td>
<td>*</td>
</tr>
<tr>
<td>IETF 119 – Asia</td>
<td>TBA</td>
<td>March 16-22, 2024</td>
<td>*</td>
</tr>
<tr>
<td>IETF 120 – Vancouver</td>
<td>Hyatt Regency Vancouver</td>
<td>July 20-26, 2024</td>
<td>*</td>
</tr>
<tr>
<td>IETF 121 – Europe</td>
<td>TBA</td>
<td>November 2-8, 2024</td>
<td>*</td>
</tr>
<tr>
<td>IETF 122 – Asia</td>
<td>TBA</td>
<td>March 15-21, 2025</td>
<td>*</td>
</tr>
</tbody>
</table>

* Please contact sponsorship@ietf.org if interested in sponsoring a meeting
# IETF Administration LLC
## Paid Registration numbers

<table>
<thead>
<tr>
<th>Ticket Type</th>
<th>Onsite Actual</th>
<th>Remote Actual*</th>
<th>Onsite Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Bird</td>
<td>312</td>
<td>200</td>
<td>750</td>
</tr>
<tr>
<td>Standard</td>
<td>152</td>
<td>120</td>
<td>170</td>
</tr>
<tr>
<td>Late</td>
<td>26</td>
<td>61</td>
<td>20</td>
</tr>
<tr>
<td>Student</td>
<td>23</td>
<td>36</td>
<td>30</td>
</tr>
<tr>
<td>One-day</td>
<td>37</td>
<td>109</td>
<td>30</td>
</tr>
<tr>
<td><strong>TOTAL PAID</strong></td>
<td><strong>550</strong></td>
<td><strong>526</strong></td>
<td><strong>970</strong></td>
</tr>
</tbody>
</table>

Fee Waivers: 271 remote fee waivers issued; 229 used so far.
* Budgeted 250 total remote registrations
IETF Administration LLC
IETF Endowment

- **IETF Endowment purpose and goals**
  - Created to support the IETF and its activities
    - Financial independence for IETF, long-term sustainability
    - Diversity of income - not reliant on any single funder
  - Goal of US$50M by 2027 - we are at nearly $4M at present

[https://www.ietf.org/endowment](https://www.ietf.org/endowment)
Matching Fund Opportunity
○ In 2021, Internet Society pledged up to US$30M in matching funds for gifts made to the IETF Endowment
  ● 2:1 match on first US$12M; 1:1 match on subsequent US$6M

Thank You to our Donors
○ Continuing thanks to our Flagship donors, ARIN, Internet Society, and RIPE, and our Benefactor Donor, LACNIC for their leadership gifts
○ In 2022, the IETF Endowment has received over $7,000 in individual donations from 112 members of the IETF community - thank you to all who have given!
IETF Administration LLC
Who serves on the Board?

Maja Andjelkovic
Lars Eggert
Jason Livingood, Chair
Sean Turner, Treasurer
Peter Van Roste
The Board strives for transparency with the IETF Community. Board meetings are open to observers except for items such as legal, contracts, personnel, and other matters that benefit from confidentiality. Each meeting is divided into four sections: Open; Board and Staff Only; Board and ED Only; Board Only. Our goal is to publish agendas one week or more before each meeting. Minutes of past meeting are also posted on a timely basis.

Schedule of future meetings, past minutes & how to join: [https://www.ietf.org/about/groups/llc-board/meeting-info](https://www.ietf.org/about/groups/llc-board/meeting-info)
IETF Administration LLC
Current Board Work

1. Examined lessons-learned from IETF-113 & applied to IETF-114
2. Shifted employment location (benefits/currency) of Executive Director from New Zealand to the United Kingdom
3. Held annual strategy planning retreat [see minutes]
4. Continued focus on fundraising progress
5. Started executing on investment policy changes
6. Working w/auditors on annual audit
7. Provided feedback to the IETF Trust on their restructuring consultation
## IETF Administration LLC
### Previous Fiscal Year Operating Budget

#### April balances, original budget

<table>
<thead>
<tr>
<th></th>
<th>YTD Actual</th>
<th>YTD Budget</th>
<th>YTD Variance %</th>
<th>Annual Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td>$5,450,175</td>
<td>$8,405,608</td>
<td><strong>(35%)</strong></td>
<td>$13,008,413</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td>$2,803,879</td>
<td>$3,275,053</td>
<td><strong>14%</strong></td>
<td>$9,980,007</td>
</tr>
<tr>
<td><strong>Capital Investment</strong></td>
<td>$191,406</td>
<td>$191,093</td>
<td><strong>0%</strong></td>
<td>$573,039</td>
</tr>
<tr>
<td><strong>Net Income after capital</strong></td>
<td>$2,454,880</td>
<td>$4,939,541</td>
<td><strong>(50%)</strong></td>
<td>$2,455,367</td>
</tr>
</tbody>
</table>

#### Investments

<table>
<thead>
<tr>
<th></th>
<th>31 Apr 2022</th>
<th>31 Dec 2021</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investments</td>
<td>$19,132,126</td>
<td>$21,068,691</td>
<td><strong>$1,936,565</strong></td>
</tr>
</tbody>
</table>
IETF Administration LLC
Contact & Background Information

• Email:
  • Public feedback to the board only: LLC-Board@ietf.org
  • Discussion list: admin-discuss@ietf.org
  • Executive Director: exec-director@ietf.org
  • Sponsorship: sponsorship@ietf.org

• IETF LLC web pages of interest:
  • General: https://www.ietf.org/about/administration/
  • Future Meetings: https://www.ietf.org/about/administration/llc-board/
  • Past Meeting Minutes:
    https://www.ietf.org/about/administration/llc-board/minutes/
  • Financial Statements:
    https://www.ietf.org/about/administration/financial-statements/
  • Policies: https://www.ietf.org/about/administration/policies-procedures/
  • Submit a whistleblower concern: https://ietf.ethicspoint.com
Thank You

Making the Internet work better
IETF Trust

Joel Halpern
IETF Trust Purpose

Manage IP Assets to enable use & protect ownership

- Hold IP Assets for IETF, IANA, ICANN, Internet Community Domain ownership
  - IETF.ORG, IESG.ORG, IRTF.ORG, IAB.ORG, IANA.ORG,…

- Copyrights
  - IETF RFC’s, Logos, Photos, Videos
  - Contributions to the IETF: Internet Drafts, discussions, etc.

- Trademarks
  - IETF, IANA Marks, additional IETF marks (logo’s etc.)

- Software
  - IETF Tools, IETF YANG Catalog
IETF Trustees

Glenn Deen
Chair

Kathleen Moriarty
Treasurer

Joel Halpern

Stephan Wenger

Victor Kuarsingh
Welcome
Victor Kuarsingh
ISOC BoT Appointee
2 year term
2022-2024
Thank You
John Levine

ISOC BoT
Appointee

IETF Trustee
2016-2022
IETF Trust is restructuring to a Not-For-Profit Corporation
- Converting from Virginia Trust to Delaware Corporation
- Expected to run into 2023.
- Will update as conversion progresses

Consultation on plan concluded June 30, 2022
- Results: IETF Trust restructuring will proceed as proposed

Materials about restructuring available on IETF Trust website:
- Draft By-Laws, background materials
- Links to presentations and webinar recordings

https://trustee.ietf.org/about/community-consultation-on-restructuring-the-ietf-trust/
IETF Supporter & Protocol Badge Licenses Established

- Grants a limited, non-exclusive, non-transferable, worldwide license to use the badges solely to demonstrate your involvement with and support

- For details see:
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  - Badge info: https://www.ietf.org/badges/
Contact Us

EMAIL: TRUSTEES@IETF.ORG

WEB: TRUSTEE.IETF.ORG
In Memoriam
Stephen Casner
1951-2022
Internet Engineering Steering Group (IESG)
Open Microphone Session
IESG Open Mic

ART
- Murray
- Francesca
- Lars

RTG
- Alvaro
- John
- Andrew

TSV
- Martin
- Zahed
- Roman

INT
- Erik
- Éric
- Paul

OPS
- Rob
- Warren
- Mirja (ex-officio IAB Chair)

GEN
SEC
Internet Architecture Board (IAB)

Open Microphone Session
<table>
<thead>
<tr>
<th>Jari</th>
<th>Deborah</th>
<th>Lars</th>
<th>Wes</th>
<th>Cullen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mallory</td>
<td>Mirja IAB Chair</td>
<td>Zhenbin</td>
<td>Tommy</td>
<td>David</td>
</tr>
<tr>
<td>Russ</td>
<td>Qin</td>
<td>Jiankang</td>
<td>Colin ex-officio IRTF Chair</td>
<td>John Temporary RFC Series Project Manager</td>
</tr>
</tbody>
</table>
IETF Administration LLC
Open Microphone Session
LLC Open Mic

Maja Andjelkovic

Lars Eggert

Jason Livingood, Chair

Sean Turner, Treasurer

Peter Van Roste
END OF PLENARY

SECOND EDITION

THE

IETF

PHILADELPHIA MEETING

COMCAST

NBCUNIVERSAL