This year, **Open Source Summit North America** was held as an umbrella conference, composed of a collection of 14 events covering the most important technologies, topics, and issues affecting open source today. OSS NA gathered 2,771 total attendees with 1,286 of those attending in person in Austin, from 1,041 organizations across 68 countries around the globe.

The event attracted a diversified mix of open source community members from across the ecosystem, not a surprise given the range of topics offered to attendees. **54% of attendees were in technical positions**, and **developers** comprised more than a quarter of attendees.


- Lisa Mae Demasi, Open Source Content Writer, VMware
Attendee Survey Results:

- 97% of respondents found the conference content and sessions to be informative and useful
- 95% of respondents would recommend attending the event to a friend or colleague
- 85% of respondents made valuable connections/were able to build relationships at the event
- 93% of respondents felt they had the right amount of time for networking/collaboration
- 93% of respondents said they are likely to join the event in person in the future
- 60% of respondents attended the event in person and 40% attended virtually

When asked which of the events they were interested in, attendees responded with:

- LinuxCon 36%
- CloudOpen 34%
- ContainerCon 34%
- Embedded Linux Conference 28%
- Open Source On-Ramp 28%
- SupplyChainSecurityCon 27%
- Open AI + Data Forum 24%
- Global Security Vulnerability Summit 23%
- Community Leadership Conference 21%
- OSPOCon 20%
- Embedded IoT Summit 20%
- Critical Software Summit 19%
- Emerging OS Forum 14%
- Diversity Empowerment Summit 13%

Attendees had the ability to select multiple events.
Content

Featuring 288 talks including keynotes, tutorials, workshops, breakout sessions, BoFs, and lightning talks, Open Source Summit North America delivered exceptional content across the 14 micro-conferences that made up the event - LinuxCon, Embedded Linux Conference, CloudOpen, ContainerCon, OSPOCon, Global Security Vulnerability Summit, SupplyChainSecurityCon, Critical Software Summit, Community Leadership Conference, Emerging OS Forum, Embedded IoT Summit, Diversity Empowerment Summit, Open AI + Data Forum and Open Source On-Ramp.

This year’s Program Committee included 83 community members with a range of expertise. Together, they reviewed 790 submissions from our CFP, and ultimately accepted 288 talks - a 36.4% acceptance rate.

“OPEN SOURCE SUMMIT IS A KNOWLEDGE-PACKED POWERHOUSE WHERE YOU CAN LEARN ALL THE COOL THINGS HAPPENING IN THE OPEN SOURCE WORLD.”

-GAURAV RAMAKRISHNA
Top Attended Sessions

**Status of Embedded Linux**
Tim Bird, Sony Corporation

**Addressing Cybersecurity Challenges in Open Source Software**
Stephen Hendrick, The Linux Foundation & Matt Jarvis, Snyk

**K8s in a Submarine: Optimizing Delivery for Some of the Hardest-to-reach Systems on Earth**
Jeff McCoy, Defense Unicorns

**OSPOCon Keynote: OSPO News by TODO Group**
Ana Jimenez Santamaria & Chris Aniszczyk, TODO Group

**Assessing the Risk of Open-source Components Using OpenSSF’s Scorecard**
Laurent Simon, Google & Naveen Srinivasan, Endor Labs

**OSPOCon Keynote: F5’s Open Source Journey**
Christine Abernathy, F5, Inc.

“Did You Miss My Comment or What?”: Understanding Toxicity in Open Source Discussions
Courtney Miller, Carnegie Mellon University

Build, Run, and Share Your First EBPF Program in 5 Minutes
Lin Sun, solo.io

Delving into the Linux Boot Process for an ARM SoC
Ajay Kumar & Thiagu Ramalingam, Samsung

Global Security Vulnerability Summit Welcome & Opening Remarks
Brandon Lum, Google

“There is always something to see, do, and learn at this summit! It was an extremely educational and enjoyable experience.”
Sponsor Showcase

In addition to content provided by industry leaders, OSS NA hosted both an in-person and virtual sponsor showcase with 67 of our sponsors hosting in-person exhibit booths and 50 hosting virtual booths.

Average in-person badge scans: 90
Highest in-person badge scans: 423
Total in-person badge scans: 5,587

Average virtual booth visits: 23
Highest virtual booth visits: 101
Total virtual booth visits: 1,171

“IT'S LIKE DOING A CRASH COURSE ON "WHAT'S NEW IN OPEN-SOURCE"!”
- Neha, Keploy
Online Networking & Virtual Platform

89% of respondents rated the quality of the virtual event component as “Good” or “Excellent”

83% of respondents felt the virtual event platform was easy to understand, access, and navigate through

70% of all attendees participated in the virtual experience

Virtual attendees were able to watch all content live in the platform as sessions aired, and could ask real-time questions to the speakers. Virtual attendees were able to network in topic-based lounges, and connect with sponsors in the sponsor showcase. All sessions will be available on-demand in the virtual platform for 30-days after the event, and then will move to The Linux Foundation YouTube for viewing.

“This was a great event to attend virtually, with something for everyone.”

-Gail Dillard
Event Experiences

Beyond enriching educational content, the event offered a plethora of activities designed to connect and strengthen our community and attendees’ experiences, including these events/activities:

- 17 Attendees gathered for a special screening of the **MAMA BEARS Documentary**, which included Q&A with Equality Texas, Transgender Education Network of Texas and local Mama Bears
- The **Better Together Diversity Social**, which welcomed 25 underrepresented minorities in tech and invited allies
- **First-Time Attendee Breakfast**, which welcomed 188 newcomers and alumni
- **Women in Open Source Lunch**, which connected over 85 women and non-binary attendees
- 11 mentors were able to connect, and impact, 23 mentees in **Speed Mentoring**
- Attendees had the opportunity to meet with 9 subject-matter experts during **Ask the Expert Sessions**
- 8 attendees enjoyed a moment of zen during **Morning Yoga & Meditation**, 32 attendees got to experience the sights of Austin during the **5K Fun Run**, 27 attendees got to experience the art of Downtown Austin on the **Pedicab Tour**, and 42 attendees participated in the **Double-Decker Bus Tour**
- Attendees had the opportunity to have some iconic Texas BBQ and enjoy local musicians at the **Attendee Reception at Stubb’s Bar-B-Q**

“This week I had a really cool experience spending a week in Austin for the Open Source Summit North America. As always, a very well organized event by the Linux Foundation. Good talks, I met old friends and made new ones.”

- Sergio Prado, Consultant & Trainer at Embedded Labworks
• Attendees gathered at the first-ever **Security Acronym Social Event** at Pelon’s Tex-Mex

• The Dronecode Foundation & UVify lit up the night sky with a **Drone Light Show**

• Attendees had the opportunity to meet **Orion Jean, Keynote Speaker, Time Magazine’s 2021 Kid of the Year and Author** of *A Kids Book About Leadership*, for a meet & greet and book signing

• Attendees were able mingle with some furry friends during **Puppy Pawlooza**


"I really enjoyed the optional conference add-ons like the first-time attendee breakfast, women’s lunch, and group run, etc. As a shy, first-time attendee it really helped me meet/talk to more people!"
Attendee Demographics

- **2,771** total attendees: **1,286** in-person and **1,485** virtual
- Attendees from **1,041** organizations
- Attendees from **68** countries
- **70%** of registered attendees participated in the virtual experience
- **77%** of all attendees were from the United States, Canada, and Mexico

**Industry**
- Information Technology 65%
- Non Profit Organization 7%
- Financials 5%
- Professional Services 5%
- Automotive 4%
- Telecommunications 4%
- Consumer Goods 3%
- Industrials 3%
- Health Care 2%
- Energy 1%
- Materials 1%

**Job Level**
- Individual Contributor 45%
- Manager 16%
- Director 12%
- Other 12%
- CTO / ED 6%
- VP / SVP / GM 5%
- Academic 4%

**Job Function**
- Other 13%
- Architect 12%
- Application Developer (Front-end/Back-end/Mobile/Full Stack) 11%
- Systems/Embedded Developer 11%
- Executive Leader 10%
- DevOps/SRE/Sysadmin 9%
- Manager - Technical Teams 7%
- Marketing 6%
- Kernel/Operating Systems Developer 4%
- Manager - OSPO 4%
- Product/Biz Dev 3%
- Student 3%
- Manager - Other 3%
- Professor/Academic 2%
- Media/Analyst 1%
- Legal/Compliance 1%
Attendee Demographics

Country

- **North America 77%**
  Canada, Mexico, USA

- **Europe 11%**
  Armenia, Austria, Belarus, Belgium, Bolivia, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Kosovo, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom

- **Asia 8%**
  Azerbaijan, Bangladesh, Cambodia, China, Hong Kong (SAR China), India, Iraq, Israel, Japan, Kazakhstan, Nepal, Pakistan, Philippines, Republic of Korea, Russian Federation, Singapore, Taiwan, Saudi Arabia, Turkey, United Arab Emirates

- **South America 2%**
  Aruba, Argentina, Brazil, Chile, Colombia, Costa Rica, Ecuador, Mexico, Paraguay, Peru, Uruguay

- **Oceania 1%**
  Australia, New Zealand

- **Africa 1%**
  Cameroon, Ethiopia, Gambia, Kenya, Nepal, Nigeria, Senegal, Uganda
Diversity

- **36%** of Keynote Speakers identified as women or non-binary
- **33%** of Program Committee members identified as women or non-binary
- **26%** of all conference speakers identified as women or non-binary
- An estimated **25%** of conference speakers identified as a person of colour
- **23%** of attendees identified as women and non-binary
- **21%** of registered attendees identified as a person of color

*These are optional questions on our registration form that also include 'prefer not to answer' as an option, or can be skipped entirely, thus these numbers may be higher than reflected here.*

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Gender Identity
- Male **69%**
- Female **23%**
- Other gender identity **1%**
- Prefer not to answer **7%**

Identifies as a person of color
- No **65%**
- Yes **21%**
- Prefer not to answer **14%**

Age
- 0-19 **1%**
- 20-39 **45%**
- 40-60 **41%**
- 61+ **4%**
- Prefer not to answer **9%**
Community Support

To encourage and increase the participation of a diverse community, The Linux Foundation offered diversity and need-based registration scholarships and travel funding for the event this year, providing $77,645 in funding for:

- 43 Diversity Scholarships
- 16 Need-Based Registration Scholarships
- Awarded 19 Diversity Travel Scholarships
- Awarded 15 Need-Based Travel Scholarships

Health & Safety

The health and safety of all conference attendees remains a critical focus and of utmost importance to us. Leading up to, and during the event, we continued to monitor the COVID-19 situation closely, and worked to put many measures and protocols in place. To keep everyone at the event safe, all were required to provide proof of vaccination, wear a mask throughout the event, get their temperature taken daily, and confirm a health attestation in order to participate.

In total, over the weeks since the event concluded, we have been made aware of 32 positive tests. This is 2.49% of the total attendance onsite. Fortunately, we have not been made aware of any serious cases and hope that everyone who tested positive is feeling better.
Social Media Highlights

Twitter

From June 16 - 27, 2022, Linux Foundation Twitter amassed 2.7M impressions, with an average of 245K impressions per day. This was a dramatic increase from the previous year’s OSS NA, which amassed 945K impressions on Twitter between September 24-October 4th, 2021.

During the period from June 17-27, Linux Foundation Twitter had 1.4K Link clicks, 3.3K Retweets, and 12.7K Likes. Making great use of live video content uploaded frequently throughout the week, video shared on Twitter amassed 209K Media Views and 25K Media Engagements.

Altogether, Linux Foundation Twitter added 3500 new followers over the course of OSSNA 2022.

Event-specific hashtags used during OSS NA include: #OSSUMMIT, #OTelDay, #OSSNA, #FinopsX, #OpenSSFDay, and #OSPOCON. Non-event specific hashtags used were: #Linux and #OpenSource.

Total impressions for event hashtags were:

- #OSSUMMIT: 23M Impressions
- #OSSNA: 1.7M Impressions
- #OTELDAY: 900K Impressions
- #FINOPSX: 2M Impressions
- #OPENSSFDAY: 3M Impressions
- #OSPOCON: 63K Impressions

Total Event Hashtag Impressions: 30M
Social Media Highlights

2022 (June 17-27):

Your Tweets earned **2.7M impressions** over this **11 day period**

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**Engagement rate:** 1.4%

**Jun 27**

**1.8% engagement rate**

**Link clicks**

**1.4K**

**Jun 27**

**12 link clicks**

**Retweets without comments**

**3.3K**

**Jun 27**

**9 Retweets without comments**

**On average, you earned 299 Retweets without comments per day**

**Likes**

**12.7K**

**Jun 27**

**61 likes**

**On average, you earned 1.2K likes per day**

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Below are this year’s most viewed tweets:

1. **Welcoming Cardano Foundation as a Linux foundation Gold Member**: 549K Impressions, 14K Engagements.
2. **Linus Torvalds and Dirk Hohndel Fireside Chat**: 586K Impressions, 19K Engagements.
3. **Cardano Joins Linux Foundation (Live Announcement)**: 290K Impressions, 13K Engagements.
Social Media Highlights

Facebook

Posts on The Linux Foundation Facebook page garnered **200K Impressions** from June 17-27, 2022, **down from 300K Impressions** during OSS NA 2021 (September 24-October 4, 2021). Over the course of OSS NA 2022, **Linux Foundation Facebook saw no net change in followers**.

LinkedIn

Posts on The Linux Foundation LinkedIn garnered **279K Impressions** from June 17-27, 2022. This is a **28% increase from last year's OSS NA**, which saw 217K Impressions on LinkedIn between September 24- October 4, 2021. Over the course of OSS NA, **Linux Foundation LinkedIn added 2000 new followers**.

Media & Analyst Results

Important tech and open source reporters joined both in-person and virtually from outlets including: **ZDNet, O'Reilly Media, IBL News, WSJ, Politico, MIT Technology Review, Industry Dive, Dark Datanami, TFIR Media, The New Stack, The Register, TechStrongTV, and more.**
What Attendees Are Saying:

Had a great week catching up with folks at #OSSummit in Austin! Grateful to work in opensource! #LifeAtRedHat @SirHaiold @Thingee @amyee @quaid @thomasdcameron @OSTIFamir

The most wonderful part of doing this talk was having people coming to me after the session to say "thank you for bringing this up". I am the one to say thank you to the #OSSummit organizers, and to all in-person and online attendees. See you next time!

Spectacular is the word! Loved it. #OSSummit

It was such an amazing meeting of my inspirations - @stephenagnew and @katherine at the #OSSummit Austin. Love what you both do for Open Source!

The Summit is a wrap! It was so much fun representing @digitalocean and getting to see so many familiar faces back in person!

The future looks bright. In Open Source. #OSGSummit

Women’s Participation In Open Source Software

- Build for the next, not the what
- Implement small risks that can evolve
- Challenge assumptions about solutions at scale
- Focus on the human elements and connections

Love what you both do for Open Source 😊

One reason I go to tech events is about every other year I see a tech demo that I see is utterly transformative. This year it was at the Open Source Summit - Austin, and the project is @bemyntech
What Attendees Are Saying:

“WHAT A GREAT WEEK OF SECURITY TALKS AT OPEN SOURCE SUMMIT 2022! GLAD TO REPRESENT JPMORGAN CHASE AND OPENSSF AS A BOARD MEMBER TO DISCUSS IMPORTANCE OF OPEN SOURCE SECURITY IN THE MULTIPLE SESSIONS.

....THANKS LINUX FOUNDATION AND BRIAN BEHLENDORF FOR THE AWESOME CONFERENCE AND THE OPPORTUNITY. LOOKING FORWARD TO THE NEXT EVENT!"”

-RAO LAKKAKULA, DIRECTOR, PRODUCT SECURITY AT JPMC, OPENSSF BOARD MEMBER
Press Coverage

ZDNet - At Open Source Summit, Linus Torvalds hosts another fireside chat

Venture Beat - OpenSSF details advancements in open-source security efforts

Linux Insider - Open-Source Technologies, Issues on Display at Linux Foundation Summit


Coinspeaker - Cardano Joins The Linux Foundation as the First Non-Profit Gold Member

Computer World - Should you start going to business conferences again?

ZDNet - Slim.AI introduces beta software supply chain container security as a service

Tech Radar - WSL 2 distros now supported on Windows Server

TechTarget - Linux Foundation to standardize, simplify the DPU ecosystem

BetaNews - Popularity of open source software leads to security risks

CSO Online - Open-source software risks persist

Cybersecurity Dive - Organizations lag on confidence and policies to manage open source security

CyberWire - Open Source Software Security Begins to Mature

Dark Reading - Open Source Software Security Begins to Mature

DevOps.com - Survey Uncovers Depth of Open Source Software Insecurity

Digital Information World - Organizations Are Losing Faith in Open Source Security

Infosecurity Magazine - Less Than Half of Organizations Have Open Source Security Policy

Neowin - Open-Source code is unsafe and risky because of its rampant use

POLITICO - The problem with Roe digital security advice

RT Insights - Open Source Security Ubiquity May Be Its Undoing

SD Times - Indirect dependencies are increasingly causing trouble for organizations

SDxCentral - Will Vendor Responsibility Improve Open Source Security?

Tech Radar - Open source security is rapidly becoming a major concern

TFiR - Organizations Lack Confidence In Their Open Source Software Security

The New Stack - Inside a $150 Million Plan for Open Source Software Security

The New Stack - What’s the State of Open Source Security? Don’t Ask

Venture Beat - Researchers discover lack of confidence in state of open-source security

Virtualization Review - Open Source Security Ignored by Many Organizations

ZDNet - Blind trust in open source security is hurting us
SAVE THE DATE FOR OTHER 2022 OPEN SOURCE SUMMIT EVENTS!

OPEN SOURCE SUMMIT LATIN AMERICA 2022
August 22–23, 2022 | Virtual Experience

OPEN SOURCE SUMMIT EUROPE 2022
Sep 13–16, 2022 | Dublin, Ireland + Virtual

OPEN SOURCE SUMMIT JAPAN 2022
December 5–6, 2022 | Tokyo, Japan + Virtual

SAVE THE DATE FOR OPEN SOURCE SUMMIT NORTH AMERICA 2023!

May 9–12, 2023
Vancouver Convention Centre | Vancouver, BC, Canada