NANOG

North American Network Operators' Group

Working together, to build the Internet of tomorrow ®
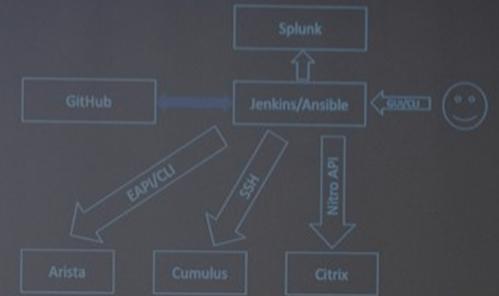
Topics to Discuss

- NANOG Governance

- Program Update

- Events Update

- Education and Mentorship Programs

- Diversity, Equity, and Inclusion Programs

- Development Update

- Community Updates

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NANOG Governance

Board + NANOG Staff

Board of Directors

Leslie Daigle
Board Chair

Vincent Celindro
Vice Chair

David Siegel
Treasurer

Cat Gurinsky
Secretary/ PC Chair

Michael Costello
Board Member

Steve Feldman
Board Member

TIna Morris
Board Member

Edward McNair
Member/Exec Director

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Staff

Edward McNair
Executive Director

Darrieux "Dé" Harvey
Meeting + Events
Director

Valerie Wittkop
Program Director

Claudia Bristol
Controller + HR

Leigh Brooks
Senior Designer

Elizabeth Drolet
Marketing
Content Creator

Shawn Winstead
Bus. Development
Specialist

Greg Newman
Software Craftsperson

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The NANOG Program

Curated by industry professionals

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Updates to the Program

- Rolling call for submissions - Talks can be submitted for future meetings.
- In addition to Shepherds, the Program Committee (PC) added Content Reviewers to support the approval process.
- Moderator sub-committee that focuses on improving the submission process.
- Scripts for session moderators provide a better event flow.
- Extensive data analysis of previous talks and speakers. Laying the groundwork for the upcoming NANOG Knowledge Base.
- Release a complete rewrite of the PC Tool.

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@TeamNANOG YouTube Channel

- 21K total subscribers
- 2.7 million lifetime page views
- 25.1k views per month
- 3.5k hours of viewing per month
- 212+ subscribers added per month
- Top video for 2022: Everything You Always Wanted to Know About Optical - 15.2k views
- Top video ever: Tutorial Everything You Always Wanted to Know About Optical Networking - 172k views

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Events Update

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NANOG 87 Atlanta (Feb 13-15)

- 710 in-person attendees + 184 virtual attendees
- 45 event sponsors
- 38 talks + 6 lightning talks
- NANOG College Immersion (NCI) - 4 students from CU Boulder
- Introduced a new tool that allow participants to schedule tables for individual meetings.

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Future Events

- NANOG 88 - Seattle, WA (12-14 Jun 2023)

- NANOG 89 - San Diego, CA (16-18 Oct 2023)

- NANOG 90 - Charlotte, NC (5-7 Feb 2024)

- NANOG 91 - Kansas City, MO (10-12 Jun 2024)

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CaribNOG 25

Education + Mentorship Programs

Supporting the next generation of network professionals

NANOG™

Educational Program

Vendor-neutral courses developed and taught by knowledgeable Internet professionals.

All courses are vetted by a committee of industry professionals; to assure that all content is relevant to current industry working standards.

The courses are designed to aid students, junior engineers and career professionals advance their skills in a competitive marketplace.

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Mentorship Program

Key to building the "Internet of tomorrow" is to engage and inspire those who will build tomorrow's Internet.

Mentorship is an essential component of professional development.

Mentees in our program will have the opportunity to be guided by seasoned industry professionals.

Mentors and mentees will be paired at NANOG conferences, create a personalized mentorship program to help the mentee achieve their goals.

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Diversity, Equity + Inclusion Programs

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Pursuing a more inclusive Community

To support our efforts of diversity, equity and inclusion. NANOG has done the following:

- Partnered with a DEI consulting firm to provide independent Ombuds support to our community.
- Ombuds are onsite during events and can be reached via email at anytime. In addition they provide reports to board and community on our DEI progress.
- Created a DEI Committee to develop a strategic vision for NANOG's DEI initiatives.

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NANOG Ombuds

Tony Farmer
Associate, Future of SEL

Future Cain
CEO of Future of SEL

Mark Lewis
Associate, Future of SEL

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Development Updates

UI Upgrades

Making nanog.org more accessible

NANOG™

NANOG ®
North American
Network Operators' Group

Events   Program   Outreach   Members   Community   About   Stories

Search NANOG

Working together to build the Internet of tomorrow®

NANOG is a community of Network Operators, Engineers, and Internet Professionals dedicated to the ongoing advancement of an open, secure, and robust Internet.

NANOG 87 Talks are LIVE

Have you subscribed to our YouTube channel?

Watch Playlist Now

Make a difference, become a NANOG Member

Become a Member

NANOG 86 sessions are now available on YouTube

Watch Now

Join the Conversation at community.nanog.org

Login Now

STORIES   STORIES   STORIES

Events

- Upcoming Events
- Past Events
- About NANOG Events
- NANOG Swag

Sponsoring NANOG Events

- Value of Sponsorship
- Sponsors Resources
- Sponsorship Opportunities
- Sponsorship Agreement – Terms and Conditions

Stories

The (Tech) Road Less Taken

Marlin Martes Shares How to Make the Impossible Possible

"What I've found most surprising is that most people don't have a straightforward path to tech either. Everybody has different backgrounds. If you can get over the shame...

Meet NANOG's New Board Chair

Q + A with Leslie Daigle

Chief Technical Officer (CTO) of Global Cyber Alliance and former Chief Internet Technology Officer (CITO) of Internet Society (ISOC), Leslie Daigle, helms the NANOG Boa...

View all posts →

NANOG 87 Talks are LIVE

Have you subscribed to our YouTube channel?

Watch Playlist Now

Join the Conversation at
community.nanog.org

Login Now

STORIES   STORIES   STORIES

Featured Stories

Meet NANOG's New Board Chair

What's Your Favorite N87 Moment?

Road Less Traveled: Alex Latzko

'NANOG Jeopardy' Takes the N87 Stage

The (Tech) Road Less Taken

Registration is open!
Early Registration rate ends 9 April

SEATTLE
N87
2023

Register Now

69	18	3	36
Days	Hours	Minutes	Seconds

Register for the NANOG 88 Hackathon

Learn More

Hotel Information

Learn More

🏠   Events | NANOG 88

Overview   Attendees   Letter of Invitation   Register   Hotel Information   Our Sponsors

NANOG 88 Seattle
Our 88th community-wide gathering is 12-14, June, 2023.

aws

Program Tool v2

A rewrite of our tools to support the NANOG Program Committee

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Program Committee Dashboard
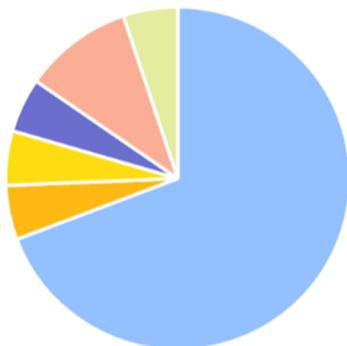
Viewing the dashboard for NANOG 87
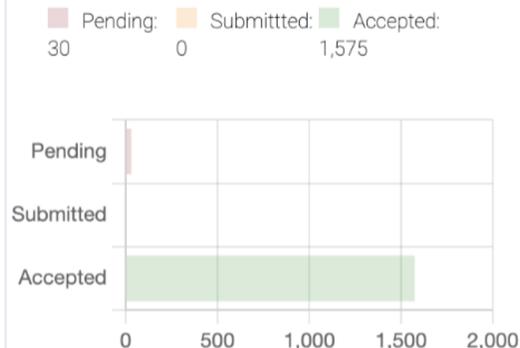
NANOG 87 ▾   GO

EVENT CALENDAR

Nov. 14, 2022	CFP Reminder Announcement
Dec. 12, 2022	CFP Reminder 2 Announcement
Jan. 9, 2023	DRAFT Presentation Slides Due
Jan. 16, 2023	Topics List Published
Jan. 30, 2023	Meeting Agenda Published
Feb. 6, 2023	In-Person Final Slides DUE
Feb. 12, 2023	On-Site Lightning Talk Submissions Open

ACCEPTED TALKS

General Session   Panel
Research Forum   Tutorial
Track   BoF
NANOG Content   Lightning Talk

MINUTES BY STATUS

Pending: Submittted: Accepted:
30   0   1,575

Pending
Submitted
Accepted

0   500   1,000   1,500   2,000

11 TALKS WITHOUT MATERIALS

Export

Reviewers		Talk Info				
Shepherd	Content Reviewer	ID	Title	Author	Session Type	Duration
Steve Meuse		4691	Improving the Inference of Sibling Autonomous Systems	Zhiyi Chen	Lightning Talk	
		4704	NANOG 87 Conference Closing	Cat Gurinsky	NANOG Content	30
		4703	NANOG 87 Conference	Cat Gurinsky,	NANOG Content	30

1 PENDING TALKS WITH MATERIALS

Export

Reviewers		Talk Info				
Shepherd	Content Reviewer	ID	Title	Author	Session Type	Duration
		4741	Can Optical Channel Margins Help Alleviate Congestion at the IP Layer?	Cengiz Alaettinoglu	General Session	30

« ‹ › »   Page 1 of 1   Show 50 ▾

PC Talk List

NANOG 87

Search

Pending | Submitted | Accepted | Deferred

Export All | Export Current View

Show: ☐ My Vote ☐ Vote Count ☐ Avg Vote

Reviewers		Talk Info					
Shepherd	Content Reviewer	ID	Title		Author	Session Type	Duration
		4741	Can Optical Channel Margins Help Alleviate Congestion at the IP Layer?		Cengiz Alaettinoglu	General Session	30
Steve Meuse		4691	Improving the Inference of Sibling Autonomous Systems		Zhiyi Chen	Lightning Talk	
Jeff Bartig	Mikael Holmberg	4684	Enabling Passive Measurement of Zoom Performance in Production Networks		Oliver Michel	General Session	30
Stevan E Plote	Cat Gurinsky	4687	Uncommon Paths to Beginning Network Automation		Jordan Villarreal	General Session	30
John Kristoff	Cat Gurinsky	4613	V6 - Don't do it wrong		Alex Latzko	General Session	30
Mike Starr	Stevan E Plote	4662	Network Automation Tools Show Down		Cat Gurinsky, Nick Bogle, Thomas Donnelly, Matt Griswold, Mauricio Rojas, Rick Sherman	Panel	90
Chris Woodfield	Fearghas Mckay	4617	Simplified Troubleshooting through API Scripting		Cat Gurinsky	General Session	30
		4723	Monday Breakfast			Non-session Content	30
		4724	Tuesday Breakfast			Non-session Content	30
		4725	Wednesday Breakfast			Non-session Content	30

Agenda Builder

NANOG 87

The Calendar is set to NANOG 87's timezone (US/Eastern)

February 2023

| Week | Day | Agenda |

< >

| Sun 12 | Mon 13 | Tue 14 | Wed 15 | Thu 16 | Fri 17 | Sat 18 |

all-day

7 AM

8 AM

9 AM

10 AM

11 AM

12 PM

1 PM

2 PM

3 PM

4 PM

NANOG 87 Hackath 8:30 AM - 5:00 PM

NANOG Educatic Class: Explorin the Fundam of DNS Can You Dig It? 10:00 AM - 4:00 PM

Sunday Meeting

Mon Breal 8:00 AM - 9:45 ...

Mon Meet Regis 8:00 AM - 5:00 PM

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Tues Breal 8:00 AM - 9:45 ...

Tues Meet Regis 8:00 AM - 5:00 PM

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Tues Netw Lunc 12:00

Care in the Age of Unce

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Wedi Breal 8:00 AM - 9:45 ...

Wedi Meet Regis 8:00 AM - 5:00 PM

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Accepted Talks

Accepted, unscheduled talks appear here. A simple drag and drop interface allows talks to be placed in any time slot.

Appointment Tool v0.5

Making meetings easier

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Registered Attendees

My Calendar

914 Total Registrants   79 📷 Virtual   835 👤 In-Person

Search

Name		Info			
First	**Last**	**Company**	**ASN**	**Meet**	**Type**
Majdi S.	Abbas	PacketFabric, Inc.	4556	📅	👤
Milad	Abdelmessih	KDDI/ Telehouse/ NYIIX	13538	📅	👤
Mauricio	Abella	Internexa S.A.		📅	👤
Lauri	Abrahamson	DE-CIX Management GmbH - Cologne	Multiple	📅	👤
Edgar	Acosta	i3D.net	49544		👤
Christopher	Adams	Ziply	20055		👤
Parth	Adroja	Meta	32934	📅	👤
Frank	Aguilar	Orange	5511	📅	👤
Manny	Aguilar	Iron Mountain, Data Centers		📅	👤
Suhaib	Ahmad				👤
Altaf	Ahmed	Juniper Networks			👤
Mattias	Ahnberg	Netnod AB	8674	📅	👤
Satish	Ahuja			📅	👤
Matthew	Aiken	Conterra Networks	32505		👤
Cengiz	Alaettinoglu	Ciena			👤
Jason	Alert	Meta	32934		👤

Be Aware. Any company offering to sell you the
fraudulent.

Registered Attendees

914 Total Reg

Title

Description

Location

Starts

Ends

nano

Name		Info			
First	**Last**	**Company**			
Leigh	Brooks	NANOG	19230	📅	👤
Vincent	Celindro	Juniper Networks | NANOG		📅	👤
Elizabeth	Drolet	NANOG	19230	📅	👤
Darrieux	Harvey	NANOG		📅	👤
Alex	Latzko	DEFT / NANOG	23352 19230	📅	👤
Edward	McNair	NANOG	19230	📅	👤
Shawn	Winstead	NANOG, Inc.	19230	📅	👤
Valerie	Wittkop	NANOG	19230		👤

« ‹ › »   Page 1 of 1   Show 25 ⇕

My Calendar

Please note that this is a Public Beta. **Please provide any feedback here** ↗

📅 Requested Appointments >   **Incoming Invites**   2 Sent Invites

Incoming meeting requests can be viewed on the first tab.

You do not have any incoming invites to display or they are non-actionable.

The Calendar is set to NANOG 86's timezone (US/Pacific)

Time zone reminder – All event times correspond to the physical event location.

NANOG 86

October 2022 | Week | Day | Agenda | < >

	Sat 15	Sun 16	Mon 17	Tue 18	Wed 19	Thu 20
all-day						
5 AM						
6 AM						
7 AM				**Blocked** 7:00 AM – 10:15 AM		
8 AM	**Test meeting** 8:00 AM –		**Breakfast with Shawn** 8:00 AM – 9:15 AM			
9 AM	**Setup**					

Click and drag to create an appointment or drag an appointment to reschedule.

My Calendar

📅 Requested Appointments **>**   Incoming Invites   **2** Sent Invites

Outgoing meeting invitations can be viewed on the first tab.

| 👤 Test meeting | 2022-10-15 8:00 (60m) |
| 👤 Breakfast with Shawn | 2022-10-17 8:00 (75m) |

The Calendar is set to NANOG 86's timezone (US/Pacific)

NANOG 86

October 2022   Week   Day   Agenda   ‹ ›

	Sat 15	Sun 16	Mon 17	Tue 18	Wed 19	Thu 20
all-day						
5 AM						
6 AM						
7 AM				**Blocked** 7:00 AM - 10:15 AM		
8 AM	**Test meeting** 8:00 AM -		**Breakfast with Shawn** 8:00 AM - 9:15 AM			
9 AM						

My Calendar

📅 Requested Appointments **>**   Incoming Invites   **2** **Sent Invites**

👤 **Test meeting**   2022-10-15 8:00 (60m)

Description:	This is a test meeting to see if the appointment tool is working.
Location:	Hotel Lobby
When:	2022-10-15 8:00 - 2022-10-15 9:00 (60m)
Attendees:	⊘ Leigh Brooks

Edward McNair   2022-09-22 13:34

Hello there!

Edward McNair   2022-08-11 13:15

HELLO!

Comment:

⚠️ **Comments will be sent to all attendees**

[Comment]   [Delete this event]

👤 **Breakfast with Shawn**   2022-10-17 8:00 (75m)

When: 2022-10-17 8:00 - 2022-10-17 9:15 (75m)

Clicking an appointment allows you to see details and to communicate with invitees.

NANOG 86

Day | Agenda

Mon 17 | Tue 18 | Wed 19 | Thu 20

Edit event

Cancel | Save

Title | Breakfast with Shawn

Description

Location

Attendees
To block out your personal calendar, leave attendees blank.

Shawn Winstead ×

All-day

Starts | 10/17/2022 8:00 AM

Ends | 10/17/2022 9:15 AM

Show as busy | Show as free

Blocked
7:00 AM - 10:15 AM

Breakfast with Shawn
8:00 AM - 9:15 AM

Clicking an appointment allows you to see invite details.

3 PM

Reserve A Table At NANOG 87

How to reserve a table: Select the date of your reservation, table size, and up to three desired time(s) by completing the form below. Name/Organization is required but can be a nickname or pseudonym. Please note this is the alpha release of the software. Considering its alpha status, the Space Reservation system is currently free of charge. This tool will ultimately be integrated into the Appointment Tool. At that point, there will be a fee for table rentals. If you encounter any bugs or wish to suggest additional features, please do on NANOG's Discourse **Community Forum**.

1 PICK A TABLE SIZE

PREMIUM		✓
Seats **6**		$0 / hr

STANDARD		✓
Seats **4**		$0 / hr

2 PICK A DATE

FEB 13, 2023	✓
FEB 14, 2023	✓
FEB 15, 2023	✓

3 PICK TIMES (EST)

08:00	✓
09:00	✓
10:00	✓
11:00	✓
12:00	✓
13:00	✓
14:00	✓
15:00	✓
16:00	✓
17:00	✓

4 NAME / ORGANIZATION

What name or organization do you want to appear on your reservation?

Kang the Conqueror	✓

SUMMARY

TABLE	STANDARD
NAME ON RESERVATION	KANG THE CONQUEROR
DATE	FEB 14, 2023
TIMES	11:00 12:00 13:00
TOTAL	$0

COMPLETE RESERVATION
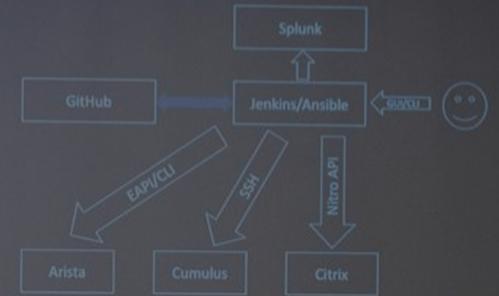
ALPHA RELEASE

Next Development Projects

- Completion of UI updates
- Registration System Upgrades
- Sponsor Tool
- Badge Printing
- Appointment Tool v1 (including meeting space scheduling)
- Virtual Platform Upgrades
- Interactive Reporting
- Exploring enabling NOGs to use our Event tools

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Community Update

Working together to build the Internet of tomorrow.

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Shift to Ranked Choice Voting

- For future elections we will be implementing Rank Choice Voting. Also known as Single Vote Transfer.
- Our Elections Committee in soliciting feedback from the community, as they develop a proposed system for board approval.
- Once a system has been approved by our board of directors, the new system will be announced to our community.

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COMMUNITY FORUM

Welcome! The NANOG Community Forum is a digital space that inspires community building, fosters mentorship, and provides ongoing support for students and professionals in Internet technology. By joining the forum, you'll also have the opportunity to share your insights and provide feedback as we work together to build the Internet of tomorrow. By using this forum you are agreeing to abide by NANOG's Usage Guidelines, and Code of Conduct.

| all categories ▸ | all tags ▸ | **Categories** | Latest | New (3) | Unread (3) | Bookmarks | | 🔧 ▾ | + New Topic |

Category	Topics	Latest

Mailman List
A public category this is a read only mirror of the NANOG Mailing list. It is currently read only, and serves as a modern, searchable archive.

54.4k
3 unread
2 new

M FCC proposes higher speed goals (100/20 Mbps) for USF providers
■ Mailman List
65
4h

M Comcast: "Reloading Statics" today •
■ Mailman List
0
6h

General Technical Discussions
This community-moderated forum is open to all, and a great place to discuss topics related to network engineering. Ask questions,

7

AFRINIC vote buying
0

Affinity Groups

- The new forum allow us to offer more diverse engagement for our community
- In addition to our mailman mirror, there are several affinity groups designed to offer more opportunities for engagement.
- Topics include:
  - Network Automation
  - Women in Tech
  - LGBTQ+
  - Running
  - Coffee
  - Walking
  - Whiskey Connoisseurs
  - Diversity in Tech
  - …and more

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Thank you

We hope you'll join us in building the Internet of tomorrow.

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Q+A

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