

TABLE OF CONTENTS

Who We Are
Mission4
Board of Directors
Board Actions
Strategic Goals
Balance Sheet
Income/Expenditures
Registration Report
NANOG Meetings At A Glance
Meeting Sponsors
Program Committee:
Ad-Hoc Committees
Social Media Posts
Newsworthy Mentions
Community Voices







Who We Are

Working together to build the Internet of tomorrow®

We provide opportunities to connect and learn from others in your field, whether you are working or studying.

Since its founding in 1987, The North American Network Operators' Group (NANOG) has been dedicated to advancing a secure, open, and resilient Internet. We offer a platform that inspires, educates, and empowers our community to meet evolving challenges of a global network, all in the pursuit of building the Internet of tomorrow.

Mission

We are committed to advancing an open, secure, and resilient Internet by inspiring, educating and empowering our community to tackle the evolving challenges of a global network.





Executive Director's Letter



In the pages of this report you will find a snapshot of the past year in our community. I won't use this space to recap all of the accomplishments, that is what the report is for. What I want to say is this: NANOG is the result of your efforts to create a place

where network engineers are inspired by, and learn from, each other. Yes, we have a corporate presence at our events, and we are grateful for that support. But NANOG is not driven by a corporate entity wanting to promote its latest release or platform. NANOG is YOU.

Looking ahead to 2025 and beyond, our focus remains on two big things: staying operationally strong and growing strategically so that NANOG continues to be relevant and sustainable for years to come.

Thank you for your ongoing engagement. But please note, you are not the only ones we need to hear from. If we only asked for input from our supporters (you who have spent the time to read an Annual Report) we could miss important information. If you haven't read about 'survivorship bias' look it up (Survivorship bias - Wikipedia). It's a good reminder that to really grow, we need to understand not just

who is here, but who isn't and why. Here is my request ... ask your friends and colleagues why or why not NANOG, and then tell us what they tell you. Their feedback could help shape where we go next.

I also want to give a big shout out to the NANOG staff. We have a great team working hard behind the scenes and I am grateful for their efforts. They are here to guide and enable your vision. I want to thank the staff for their amazing work keeping NANOG going and growing during the transitions that NANOG has been through.

One thing I didn't fully grasp when I joined NANOG last year was the level of commitment of our members and volunteers. You truly live the motto: "By Engineers, For Engineers". So to our members, volunteers, attendees and sponsors, THANK YOU. Together we are continuing to build something great.

NANOG: By Engineers, For Engineers.

Jonathan Black
Executive Director



Board of Directors



Board Responsibilities

The NANOG Board is accountable to the NANOG membership, ensuring the organization remains transparent, relevant, valuable and financially stable. The Board collaborates closely with appointed Committees to promote, support and enhance NANOG.

Every year, the NANOG board reviews long-term goals to steer the organization toward sustainability in the postpandemic landscape. During the first quarter of 2024, the Board refined these goals and set specific targets for the year.



Members of the Board

- · Leslie Daigle, Board Chair
- Vincent Celindro, Vice Chair + Liaison to the Community Engagement Committee
- Michael Costello, Treasurer + Liaison to the Audit Committee
- + Education Committee
- Steve Feldman, Secretary + Liaison to the Hackathon Committee
- Cat Gurinsky, Member + Liaison to the Mentorship Committee
- + Program Committee
- Dave Siegel, Member + Liaison to the Education Committee
 - + Flection Committee
- · Stevan E. Plote, Program Committee Chair
- · Jonathan Black, Executive Director

Board Actions

2024

Approved extending an offer of employment to Jonathan Black as NANOG Executive Director

Adopted the Mentorship Committee charter

Contracted with AHP for accounting services

Approved authorization to draw \$100,000 from the reserve fund

Approved the adoption of the NANOG Travel Reimbursement Policy

July

Approved the dissolution of the Scholarship and Education Committees

Approved contracting with Smith and Schaefer for the 2025 audit

Approved the Community Engagement charter

Approved the 2025 NANOG working budget

Recognition to Darrieux and Valerie for their assistance in onboarding the New Executive Director

Extended recognition and thanks to Dave Siegel for his six years of service to the NANOG Board of Directors



Appointed committee members and Board Liaison appointments.

Approved the NANOG 2024 working budget

Approved the 2024 Strategic Goals



April

Announced the retirement of NANOG staff Controller,

Approved the audit statements

June





Appointed Jonathan Black as NANOG Trustee and Authorized Representative

Established the Moderation Committee Charter and appointed committee members

Approved the 2024 Board of Directors ballot

Published the site selection process to the NANOG website

Accepted Discord as a NANOG communication platform

Completed Part 1 of the Focus Groups

Made Memorial Recognition public on the NANOG website



Strategic Goals

2024

In December 2023, the NANOG board continued to discuss long term goals to guide the organization back to sustainable footing in the post-pandemic reality.

The NANOG board approved the following items as its view of the direction of the organization for 2024.

2024 Goals

The following NANOG organizational goals were drafted in December 2023, refined through January 2024, and agreed upon by the board in February 2024.

Mission

- Ensure continued relevance
 - Improving Registration numbers
 - Average 1,000 in-person attendees per meeting
 - Building the plan (part of marketing plan)
 - Messaging
 - Advertising
- Program Content
 - PC supported in thematic programs for June and October meetings
 - Review and proposal for different program material in 2024 and beyond
 - · BCOPs, tutorials, etc

Funding: Return to break-even

- Target meeting profitability location, size (attracting attendees), sponsorship-appeal, local costs
 - Develop NANOG-profit-model parameters for meetings, looking at where we meet (for 2026 meeting planning)
 - Maximize sponsorship for 2024 & 2025 meetings
 - Inventory extract maximum possible inventory from each location
- Regain level of 7 premium sponsors relationships
- Flesh out and implement a coherent marketing plan to increase attendance and meet sponsorship goals
 - Messaging create materials for Business Development teams to use with sponsors
- Product
 - Is the value of a sponsorship offered aligning to what we charge for it?
 - Badge scanning additional value additional revenue source?
 - · Have an expo room for the full meeting duration?
- Engaging with Prospects maintain regular communication with top current and former sponsors

Operational excellence

- · Successfully onboard a new executive director
- Identify and implement community communications tool(s) relevant to current day members
 - · With appropriate moderation and management tools
 - Clear relationship to existing tools, purposes and expectations
 - · Manageable costs (dollars and personnel resources)



Income/Expenditures

2024

Statements Of Activities And Changes In Net Assets						
December 31	2024	2023				
Revenues and Support						
Meeting sponsorships	1,576,133	1,811,504				
Meetings fees	1,244,354	1,376,413				
In-kind sponsorship	116,001	38,400				
Membership dues	64,526	67,312				
Other program income	1,708	26,891				
Total Revenues and Support	3,002,722	3,320,520				
Functional Expenses						
Meetings	2,888,886	3,067,474				
Other programs	328	101,830				
General and administrative	746,192	792,392				
Total Functional Expenses	3,635,406	3,961,696				
Other Income						
Net investment return	251,102	277,781				
Other income	93,798	0				
Total Other Income	344,900	277,781				
(Decrease) in Net Assets	-287,784	-363,395				
NET ASSETS, BEGINNING OF YEAR	2,827,386	3,190,781				
NET ASSETS WITHOUT RESTRICTIONS, END OF YEAR	2,539,602	2,827,386				



Balance Sheet

Statements Of Financial	Position					
December 31	2023	2022				
Current Assets						
Cash and cash equivalents	370,810	418,754				
Investments	2,514,410	2,394,825				
Accounts receivable	409,211	307,666				
Prepaid expenses	145,172	245,088				
Total Current Assets	3,439,603	3,366,333				
Equipment and Technology, net	158,264	266,760				
TOTAL ASSETS	3,597,867	3,633,093				
LIABILITIES AND NET ASSETS WITHOUT RESTRICTIONS Current Liabilities						
	20,781	3,493				
Accounts payable Deferred revenues	1,037,484	802,214				
Total Current Liabilities	1,058,265	805,707				
Net Assets Without Restrictions						
Undesignated	1,621,057	1,325,443				
Designated by the Board of Directors	918,545	1,501,943				
Total Net Assets Without Restrictions	2,539,602	2,827,386				
TOTAL LIABILITIES AND NET ASSETS WITHOUT RESTRICTIONS	3 ,597,867	3,633,093				



Registration Report

2024

Registration					
	Total In Person	Total Virtual	First Time Attendee		
N90 Charlotte February	629	105	20%		
N91 Kansas City June	673	65	27%		
N92 Toronto October	808	61	26% 209		

Employment Demographics					
	Students	Junior/ Int Level	Senior Level	Executive Level	Total
N90 Charlotte February	1%	17%	63% 397	22%	629
N91 Kansas City June	1%	16%	59% 353	20%	673
N92 Toronto October	1%	13%	49% 423	17%	808

Organization Demographics						
	Vendor	Service Provider	Non Profit	IX Operator	Other	Total
N90 Charlotte February	30% 194	47% 300	9% 61	18%	10%	629
N91 Kansas City June	26%	47% 317	9% 62	18%	9%	673
N92 Toronto October	24%	42% 341	13%	20% 162	10% 87	808



2024 NANOG Meetings At A Glance

NANOG 90 - Charlotte, NC - 12-14 February, 2024

734 TOTAL ATTENDEES

105 VIRTUAL REGISTRATIONS 629
IN-PERSON
REGISTRATIONS

215
MEMBER
REGISTRATIONS

410
NON-MEMBER
REGISTRATIONS

STUDENT REGISTRATIONS

125 FIRST NANOG 13.2% WOMEN IN ATTENDANCE 97

NANOG 91 - Kansas City, MO - 10-12 June, 2024

738
TOTAL
ATTENDEES

65 VIRTUAL REGISTRATIONS 673
IN-PERSON
REGISTRATIONS

MEMBER REGISTRATIONS

445
NON-MEMBER
REGISTRATIONS

STUDENT REGISTRATIONS

184
FIRST NANOG

13.6% WOMEN IN ATTENDANCE

NANOG 92 - Toronto, Canada - 21-23 October, 2024

869 TOTAL

VIRTUAL REGISTRATIONS

808
IN-PERSON
DECISTRATION

219
MEMBER
REGISTRATIONS

573
NON-MEMBER
DEGISTRATIONS

16
STUDENT

209
FIRST NANOC

14.3% WOMEN IN ATTENDANCE 125



Meeting Sponsors

2024

Whether you are signing on for a Premium or Meeting Host sponsorship, securing a booth at Beer n' Gear, or supporting community networking via the Espresso Bar or Network Lounge, there are many opportunities to show support of NANOG's programs and our community.

In 2024, 74 different companies sponsored NANOG meetings, investing in the strength of the community we've built. By showcasing their innovations, they inspire problem-solving and new approaches to network operations.

Premium Sponsors:

- Diamond: Internet Tool & Die Company
- Platinum: ARIN, AWS, Ciena, Equinix
- Gold: BlueCat Networks, F5, Imperva, QTS, Telstra, Verisign

Individual Meeting Sponsors:

- Adtran
- Akamai
- · Approved Networks
- Arelion
- ARIN
- Arista Network
- AVIZ Networks
- AWS
- BlueCat Networks

- Charter Communications
- Cisco
- Cisco Meraki
- Comcast
- Console Connect
- Corero
- CRIX
- DE-CIX
- Digital Realty
- Epsilon
- Equinix

- FXA Infrastructure
- Fiber Broadband
- Flexoptix
- Fonex
- Google Fiber
- H5 Data Centers
- Hvdrolix
- IBM
- INDATEL
- Infinera
- Internet2
- Ionos
- IPv4.Global
- IPXO
- Iron Mountain
- ISC
- ISOC
- Jane Street
- JPIX
- Juniper Networks
- Kentik
- LightRiver
- London Internet Exchange (LINX)
- LiveAction
- Montreal Internet Exchange (QIX)
- Mox Networks
- Myriad360
- Nesevo

- Netrality Data Centers
- NETSCOUT
- Netskope
- NOCIX
- Nokia
- NTT
- Opengear
- OSI Global
- Precision Optical Technologies
- QTS
- Radware
- RocNet Supply
- SEGRA
- Sinewave
- Smartoptics
- Spectrum
- Telehouse
- ThousandEyes
- TierPoint
- Toronto Internet Exchange (TORIX)
- TOWARDEX
- Uniti
- Verisign
- Washtenaw Fiber
- Windstream Wholesale
- XKL



Program Committee

PC Responsibilities

The Program Committee (PC) is responsible for the programs at all NANOG meetings and events. With a goal of scheduling around 1,600 minutes per meeting, or 4,800 minutes per year, the PC drafts Calls for Presentations, solicits presenters for submissions, and selects content for over 80 hours of programming every year.

During 2024 the PC worked to review 206 submissions, of which 105 were accepted for presentation. They also secured Keynote presentations for each meeting in 2024. The PC also continued taking steps in 2024 to strategically look at specific sectors of network operations in order to secure content that would flow through the full three days of each meeting.

	Total Community Submissions	Accepted Talks	Keynotes
NANOG 90 (Charlotte) February	70	34	Rob Shakir + Mark Johnson
NANOG 91 (Kansas) June	75	36	Corey Quinn + Kireeti Kompella
NANOG 92 (Toronto) October	61	35	Hugh Holbrook + Geoff Huston



Program Committee Leadership

- · Steve Plote, Chair Plote & Associates
- · Adair Thaxton, Vice Chair
- · Les Williams, Secretary
- · Valerie Wittkop, Program Director NANOG

2024 Program Committee Members

- Phil Bedard
- John Brown
- Daniel Chioreanu
- Elizabeth Culley
- Kate Gerry
- Mikael Holmberg
- Alex Latzko
- Nimrod Levy
- Fearghas McKay

- Steve Meuse
- Sergey Myasoedov
- · Nagendra Nainar
- · Yingzhen Qu
- Arul Sekar
- Krassi Tzvetanov
- Steve Ulrich
- · Michael Voity
- Jeffrey Zhang



Ad-Hoc Committees

2024

Audit Committee

The purpose of the Audit Committee is to assist the Board of Directors in fulfilling its oversight responsibilities concerning the financial reporting process, the system of internal controls, the audit process, and NANOG's processes for monitoring compliance with laws and regulations. The Audit Committee appoints the independent auditor.

In 2024, the Audit Committee received the Auditor's Report and after review, submitted it to the Board of Directors for acceptance.

Audit Committee Members

- Tom Beecher
- · Jason Bothe
- Michael Costello
- Stevan Plote
- Charles Rumford



Community Engagement Committee

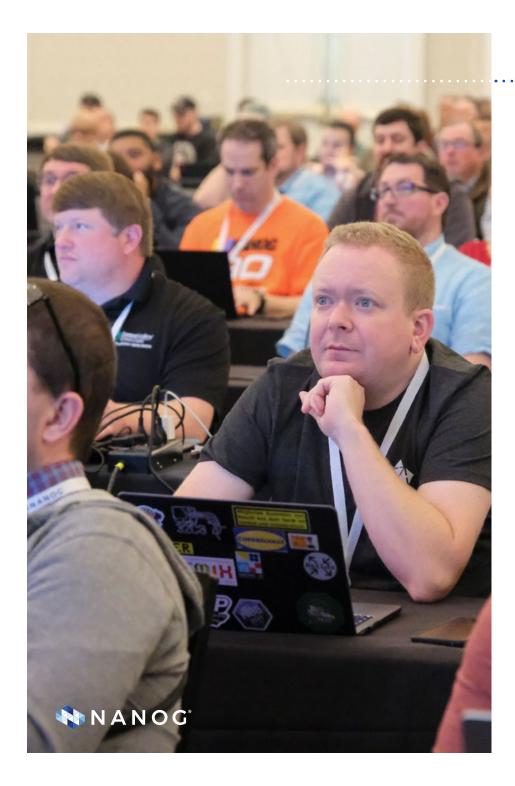
The purpose of the Community Engagement Committee is to support, engage and encourage diversity and acceptance within the greater NANOG community. At NANOG we strive to create an inclusive culture that ensures all people feel respected and valued for who they are as an individual or group.

Community Engagement Committee Members

- · Vincent Celindro
- Jon Eikel
- Kate Gerry
- Stephen Hartman
- Moira Johnson
- T.Marc Jones
- Toni Kalombo
- Louie Lee
- Marlin Martes

- Tina Morris
- Yingzhen Qu
- Giulia Reading
- Alejandro Silvestre
- Clara Wade
- Akeyla Wallace
- Les Williams
- Valerie Wittkop





Elections Committee

The purpose of the Elections Committee is to assist the Board of Directors by conducting elections for NANOG Board positions, proposed amendments to governing documents, and to conduct any other election-related matters as directed by the NANOG Board. The Election Committee is to review the NANOG Bylaws periodically.

In 2024, the Elections Committee continued use of a ranked-choice voting system for NANOG annual elections. The results of that election process are as follows:

Eligible voters: 698

Total votes cast: 165

Elected: Steve Feldman, Elizabeth Culley

There were no Bylaw amendments in 2024.

Elections Committee Members

- Fearghas McKay
- · Chris Rogers
- · Leif Sawyer
- · Dave Siegel
- · Tony Tauber
- · Valerie Wittkop

Hackathon Committee

The Hackathon Committee plans and implements the NANOG Hackathon for industry professionals at all skill levels to learn about network automation, software development and other related topics. After a community discussion forum was held at NANOG 89, to discuss the desires and needs of the NANOG community, the NANOG Hackathon got a reboot in 2024.

The overall theme of 2024 was "Put your sleuthing skills to the test!" And the topic for the three Hackathons revolved around Problem Solving / Troubleshooting competitions.

Participants formed teams which collaborated to solve the posed problems. Scoring was based on network reachability and how fast the problems were solved, with each team aiming to be the first to solve problems and win the big score of the event.

NANOG Hackathon 90 took place in Charlotte, NC February 11, 2024

The first time in a new format, NANOG 90 Hackathon participants spent Sunday afternoon solving various problem scenarios.

NANOG Hackathon 91 took place in Kansas City, MO June 09, 2024

The new format continued to grow as participants were able to engage with hands-on experiences working through the troubleshooting competition.



NANOG Hackathon 92 took place in Toronto, ON Canada October 21-22, 2024

Trying something new in Toronto - the Hackathon took place during the week of NANOG 92. Problem solving scenarios were released each morning, and participants could huddle up with Hackathon Committee members for support during the day on Monday and Tuesday, with a report out and award of top prize during General Session on Wednesday.

Hackathon Committee Members

- Aaron Atac
- Steve Feldman
- Kate Gerry
- Rvan Hamel
- Toni Kalombo
- Fearghas McKay
- Roni Mukherjee

- · Dhairyasheel Patil
- Aaron Roth
- · Charles Rumford
- Steve Ulrich
- Valerie Wittkop
- · Chris Woodfield



Mentorship Committee

The purpose of the Mentorship Committee is to make Mentorship program recommendations to the NANOG Board for consideration and final approval. The Mentorship Committee aims to develop a well-rounded program of professional growth supporting the NANOG community, with the primary focus on improving early-NANOG experiences of meeting attendees & participants, as well as ongoing professional mentorship and growth.

The Mentorship Committee has had a successful 2024 as we worked to foster growth and opportunities for individuals aspiring to pursue careers as network engineers.

Key Accomplishments:

Semi-monthly Meetings: The committee met regularly to discuss mentee-mentor pairings, ensuring a personalized experience for each participant

NANOG Presentations: Slides were developed and presented at NANOGs tri-annual meetings to introduce newcomers to not only the NANOG meeting, but to the mentorship opportunities within the community.

NANOG Ambassador Program: The launch of this program in October saw excellent participation, encouraging broader community involvement and a personalized one-on-one experience

Help Desk Initiative: A NANOG Committee Help Desk was established at events, providing on the ground support for the community

Four Pillars for Growth: The committee discussed the importance of developing four key areas to ensure sustainable growth and success:

- Administrative: Streamlining the operations of the mentorship program for greater efficiency and impact
- Marketing: Expanding awareness and visibility of the mentorship program through the various communication channels available
- **Recruitment:** Attracting both mentors and mentees to participate and grow the program
- Events: Continue to provide valuable opportunities for connection, learning and collaboration during NANOG conferences

Mentorship Committee Members

- · Wendy Leedy, Chair
- · Justin Ryburn, Co-Chair
- · Matthew Petach, Secretary
- · Darrel Newcomb, Mentor-Mentee Pairing coordinator
- Ivo Pascucci, Member
- · Alex Latzko, Member



Social Media Posts

2024

Thank you!

Your support via clicked links, shares, and comments enables our content to stay relevant.

Social media algorithms function by promoting "engaged" content. When you engage with our social media, you ensure our community sees important NANOG news updates and stays connected.

Stay connected to NANOG

1,245

42,825 FOLLOWERS

446,595
IMPRESSIONS

1,869

8,136REACTIONS

77,423 POST VIDEO VIEWS



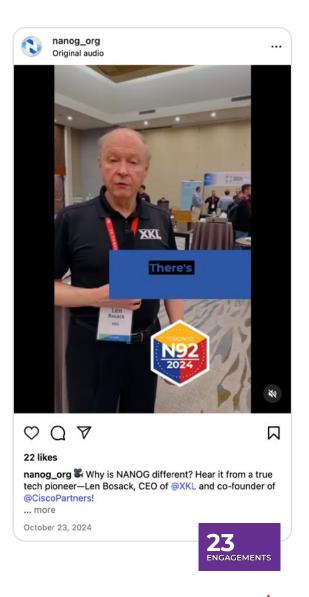
Most Engaged Social Media Posts

2024

Instagram









X







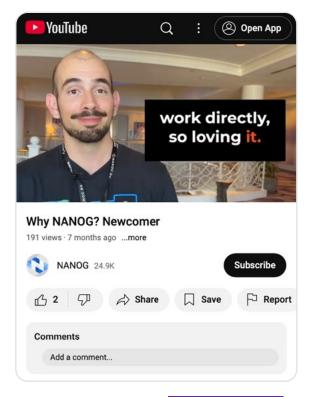


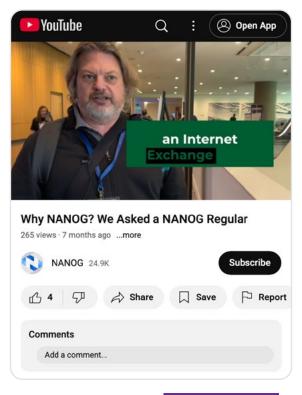


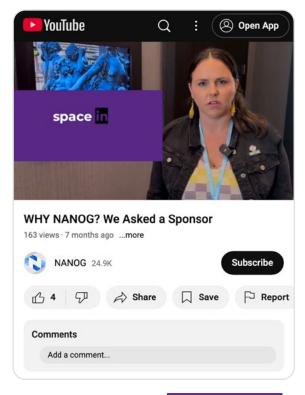




YouTube











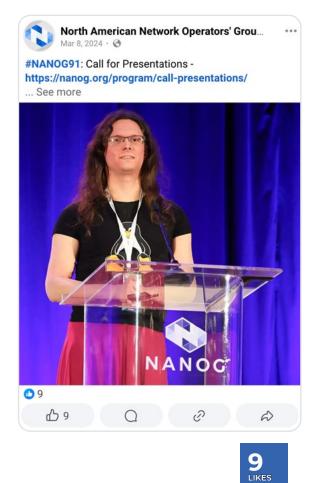




Facebook













Newsworthy Mentions

The NANOG Newsletter is your way to stay connected to upcoming meeting announcements and the latest community news and stories.

Top Performing Mailchimp Announcements



Meet NANOG's New

Executive Director!

Black

VIDEO - Interview with Jonathan

My Favorite NANOG 92 Moment

Community Shares the Moments that Made Our Last Meeting



2024 MailChimp Stats

100,897 TOTAL SENDS

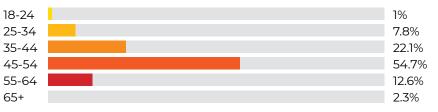
↑ 21.4%

35.1% **OPEN RATE**

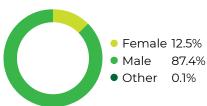
4.8% **CLICK RATE ↑ 12.2%**

24.2%

Age Range



Gender



Subscribe to our newsletter





Community Voices

Overheard at NANOG...

- "When you're a kid working with venture capitalists, everybody talks about taking their money and running to a tropical island...and nobody ever does. But I did."
- Jeff Osborn, President and CEO of Internet Systems Consortium (ISC)

Career Stories: "With Great Risk Comes Great Reward" A (Tech) Road Less Traveled with ISC's CEO Jeff Osborn

- "This is a unique community I can't over-geek out on.
 You must often dumb things down for more general audiences, but this is a technologically knowledgeable crowd, so that'll add some fun to it."
 - Mark Johnson, Principal and Chief Technology Officer, Speki Group

NANOG 90 Keynote: Exploring the Internet History of Meeting Location Mark Johnson Presents "Exploring the Internet History of North Carolina" "I've got a strong personality, and I know people either love me or hate me, and I'm completely fine with that. The more comfortable I am with myself, the more others feel free to be themselves."

> - Samantha Walters, Colocation America Career Stories: A (Tech) Road Less Traveled How a Passion for People Turned into a Career in Tech

"When I went to my first NANOG, I was scared—the mailing list was intimidating, and everyone seemed to speak with such authority.

But then I met Abha Ahuja, and she welcomed me so warmly. She made me feel like I belonged."

- Barrie Jones Cook, Network Engineering and Automation
Consultant, Self-employed

A (Tech) Road Less Traveled: Breaking Barrie-ers
The Path to Redefining Career Flexibility

"We need to continue to work together to develop and advocate for additional mechanisms of route hygiene, and there are many ways the FCC can play a vital role in those efforts."

- Doug Madory, Director of Internet Analysis, Kentik

Dissecting the FCC's Proposal to Improve BGP SecurityGuest Columnist Doug Madory Investigates Proposal Using Kentik's Unique Data Sets



WE COULDN'T HAVE DONE IT WITHOUT YOU

Our success depends in large part on the support of individuals and organizations who believe in our mission-critical programs and initiatives.

Your support in 2024 helped us continue our work in the service of advancing an open, secure, and robust Internet, by educating, empowering, and inspiring our community to meet the ever-changing demands of a global network.



©2025 North American Network Operators' Group