



Conference Opening

Tina Morris
NANOG Board Chair



Welcome to Montréal!

It's Nice to be Back in Canada

- Our most recent Canadian event was in Vancouver at NANOG 74.
- The last time we were in Montréal was NANOG 65 in October 2015.

Fun Facts about Montréal

- John Lennon's song Give Peace a Chance was written in this hotel during his 'bed-in' on June 1st – 53 years ago!
- More than 85% of the world's maple syrup comes from the Quebec province.
- Montréal's Underground tunnels are 20 miles long. With over 2000 stores and 7 metro stations.
- Mount Royal Park was designed by Frederick Law Olmsted, who also designed Central Park in New York City.
- During Prohibition, Montréal was a refuge for Americans looking to drink and gamble.

Happy IPv6 Launch Day!

Meeting Statistics

- We have a IPv6 only wireless network. It can be reached at: [NANOG-V6ONLY](#) – no password required
- We now have live meeting statistics. It covers both attendance statistics and conference network statistics.

nanog.org/events/nanog-85/meeting-statistics/



14 CLIENTS

V6ONLY: 1 CLIENTS

RX: 13.2 MBPS

TX: 13.2 MBPS

MEETING WIRELESS SSIDS

NANOG

[802.1X SECURED (2.4GHZ & 5GHZ)]

USERNAME: nanog

PASSWORD: nanog

NANOG-LEGACY

[UNENCRYPTED NETWORK (2.4GHZ & 5GHZ)]

OPEN — NO PASSWORD REQUIRED

NANOG-V6ONLY

[UNENCRYPTED NETWORK (2.4GHZ & 5GHZ)]

OPEN — NO PASSWORD REQUIRED

NEED ASSISTANCE?

EMAIL: NANOG-ENG@NANOG.ORG

In-Person Attendees* **500**

Member 164

Non-Member 325

Student 11

First NANOG 149

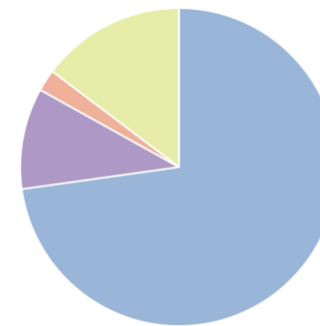
Virtual Attendees **131**

First NANOG

Total Attendees **632**

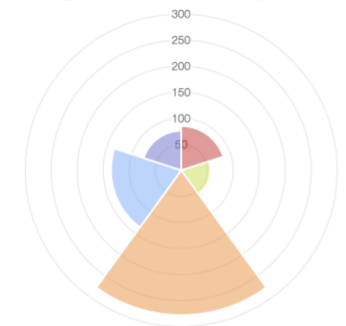
* Don't be concerned if the categories below do not add up to the total number of attendees. It is possible that a registrant might fit more than one category.

Gender



Male Female Unspecified Not Provided

Organization Descriptions



IX Operator Non-profit Service Provider Vendor Other




- 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



NANOG®

🔍 ☰ 👤 ✕ Close

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 <small>3 unread 2 new</small>	<div style="background-color: #004a99; color: white; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">M</div> FCC proposes higher speed goals (100/20 Mbps) for USF providers <small>■ Mailman List</small> 65 4h
General Technical Discussions This community-moderated forum is open to all, and a great place to discuss topics related to network engineering. Ask questions, present ideas, and share success stories! You're free to create polls, gather feedback through community voting, and more. To post via email, use the address: general@com...	7	<div style="background-color: #004a99; color: white; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">M</div> Comcast: "Reloading Statics" today <small>■ Mailman List</small> 0 6h
Community Requests A NANOG Staff-moderated forum open to all, for the purpose of reporting issues or concerns surrounding NANOG's existing services, or for making requests for additional features or programs to support our community's needs. This forum will track the status of issues/requests, and will allow for commu...	4	<div style="background-color: #004a99; color: white; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">R</div> AFRINIC vote buying <small>■ Mailman List</small> 0 21h
Peering Forum This community-moderated forum is open to all who are interested in peering (a free, mutually beneficial exchange between network providers). Form new connections, offer support, and join peering-related conversations. To post via email, use the address: peering@community.nanog.org	0	<div style="background-color: #004a99; color: white; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">👤</div> June 2022 – NANOG 85 In-Person Meeting Agenda <small>■ Board Agendas in-person-meeting</small> 0 1d
		<div style="background-color: #004a99; color: white; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">👤</div> Discussion of Replacement of Vacant Board Seat <small>■ Board Tasks</small> 0 1d
		<div style="background-color: #004a99; color: white; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">👤</div> Whisky & Cigars - NANOG 85 <small>■ Whiskey Connoisseurs - Affinity Group 0 votes</small> 0 1d
		<div style="background-color: #004a99; color: white; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">👤</div> Re: FYI - 2FA to be come mandatory for ARIN Online? (was: Fwd: [arin-announce] Consultation on Requiring Two-Factor 2


Engaging our Community



In addition to managing communications and social media, Elizabeth will help to support and engage the community

A photograph of two men in a high-rise office setting, standing by a large window. The man on the left is wearing a blue and white checkered shirt, glasses, and a backpack. The man on the right is wearing a dark jacket, glasses, and a backpack. They are engaged in a conversation. The background shows a cityscape with many windows.

Code of Conduct

 NANOG™

Code of Conduct

We will not tolerate the following:

- Aggressively pushing your own services, products, or causes.
- Distribution or consumption of alcohol at NANOG-sponsored in-person venues (alcohol not served by hotel-licensed providers).
- Audio or video recordings of the few sessions where such recording is not permitted.
- Engaging in any activity that is illegal, or violates NANOG's or its sponsors' contracts with venues or contractors.

Code of Conduct (Cont.)

We will not tolerate the following:

- Offensive verbal comments or physical contact because of sex, sexual orientation, gender identity, gender expression, age, disability, physical appearance, personal appearance, race, color, national origin or religion (or lack thereof).
- Sexual images of any kind, displayed in public spaces.
- Deliberate intimidation, stalking, threatening, or following.
- Demeaning or disruptive behavior or speech.

Code of Conduct (Cont.)

We will not tolerate the following:

- Harassing photography or recording of any kind.
- Sustained disruption of a presentation or other event.
- Inappropriate physical contact.
- Unwelcome sexual attention.

NANOG Ombuds

Confidential
support for our
community

ombuds@nanog.org



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Gold Sponsor



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PACKETFABRIC

Monday



Tuesday



Women in Tech



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Tuesday

 MYRIAD360

Tuesday

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CONTAINERlab





Host Sponsor

James Shank
Team Cymru



TEAM CYMRU™







Program Overview

Cat Gurinsky

NANOG Program Committee Chair

Program Notes

- 23 peer-reviewed presentations, including keynotes
- 25 members of the NANOG Program Committee
 - Moderating program sessions and networking sessions
 - Self-governing

Program Committee Members

Cat Gurinsky - Chair
Apple

Elizabeth Culley - Vice Chair
Comcast

Anna Valsami - Secretary

Melchior Aelmans - Member
Juniper

Kam Agahian - Member
Oracle

Aaron Ali Atac - Member
Akamai Technologies

Jeff Bartig - Member
Internet 2

Tom Beecher - Member
Yahoo

Jason Bothe - Member
Moody's Corporation

Mark Buell - Member
Internet Society

Mikael Holmberg - Member
Extreme Networks

Bryan Jong - Member
Bigleaf Networks

John Kristoff - Member
NETSCOUT

Alex Latzko - Member
Deft.com

Marlin Martes - Member
Amazon Web Services

Fearghas McKay - Member
FLEXOPTIX GmbH

Steve Meuse - Member
Kentik

Stevan Plote - Member
Plote & Associates

James Shank - Member
Team Cymru, Inc.

Alankar Sharma - Member
Comcast NBC Universal

Mike Starr - Member

Yordan Sutanto - Member
Schlumberger

Steve Ulrich - Member
Arista Networks

Michael Voity - Member
University of Vermont

Chris Woodfield - Member
Twitter

Program Tips

- Virtual Chat How-To:
 - Use the “Chat” tab to talk with other attendees
 - Use the “Q+A” tab to ask a question during a presentation
 - Even in person attendees can submit questions this way!
 - Use the “Help” tab to receive technical support
- Agenda + Presentation Materials

Program Notes

- Newcomers Orientation (breakfast)
 - We recorded this; if you were not able to attend in person, check out our YouTube channel next week for the video.
- Women in Tech lunch
 - In person tomorrow (Tuesday)
 - Immediately following the Women in Exec Leadership panel
- Wednesday Lunch - on your own

Submit Lightning Talks!

- **In person** Lightning Talks are back for NANOG 85!
- Submit abstracts by 3:30 PM EDT on Tuesday
- PC will send notifications by 6:00 PM EDT on Tuesday
 - Please make sure profile has a cell # so we can notify by text!
- If chosen, slides are due Wednesday by 12:00 PM EDT
- Talks will occur Wednesday from 5:15-5:45 PM EDT
- **YOU MUST BE ON SITE TO PRESENT**

Reminders

- Our Call for Presentations are always open, not just for the next NANOG but for the ones following as well.
- Your feedback on the surveys is more important than ever. Let us know what worked, what didn't work and how we can improve this hybrid experience going forward!

NANOG 85 Surveys

- Surveys online @ <https://www.nanog.org/surveys>
 - New Format simple/clean/quick
 - Daily Surveys available
 - Complete a daily survey + enter drawing for a \$100 gift card
 - Hackathon Survey available
 - Surveys close Friday, June 10, 2022



NANOG 85 Monday Survey

Please provide an overall quality rating for the presentations you attended

NANOG 85 Conference Opening

- Thumbs Up
- Thumbs Down
- Did Not Attend

Comments/Feedback for Speaker(s)

In Memoriam



Dorian Kim
1973 - 2022



Susan R. Harris
1946 - 2022

Memorials Going Forward

- New memorial category on the NANOG discourse:
<https://community.nanog.org/c/memoriam/>
- Please share your stories and memories here of those we've lost over the years
- To request a name be added to the memorials please visit:
<https://nanog.org/resources/in-memoriam/>



Enjoy our Program