

Meet our new Executive Director



Jonathan Black

jblack@nanog.org

Watch the video at nanog.org/jblack



Fun Facts about Kansas City

- "City of Fountains" over 200 fountains can be found scattered throughout the city
- Walter Cronkite began his career in Kansas City
- Most populous city in Missouri
- Over 50 companies located in the greater Kansas City area with a focus in either cloud, cybersecurity, enterprise, information technology, or internet of things



Conference Wireless



NANOG

WPA3 Pre-Shared Key

PSK: nanognanog

NANOG-Legacy

No Encryption thus No Password

NANOG-V6 Only

No Encryption thus No Password

On a subnet with only IPv6 services

no IPv4 Gateway or DHCP server

Need assistance? Email: nanog-eng@nanog.org



Conference Statistics

https://www.nanog.org/stats

198 Members 398
Non-Members

6 Students

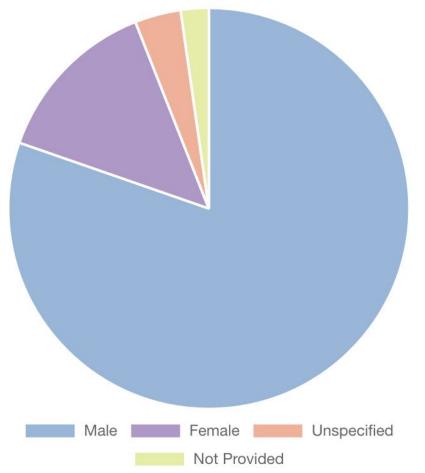
602Total In-Person

7 Virtual

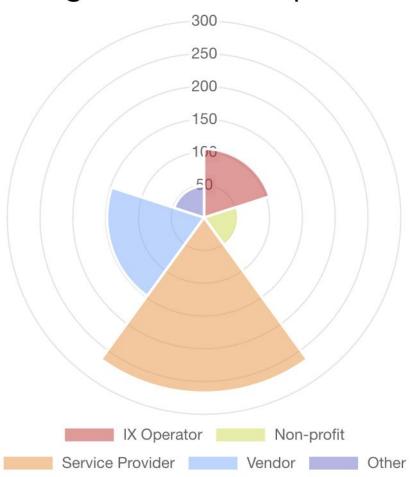
Virtual Comp

18 Total Virtual 158
First NANOG



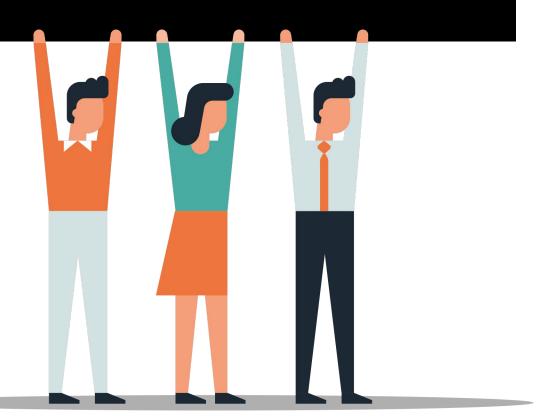


Organization Descriptions





A SPECIAL THANKS TO OUR SPONSORS



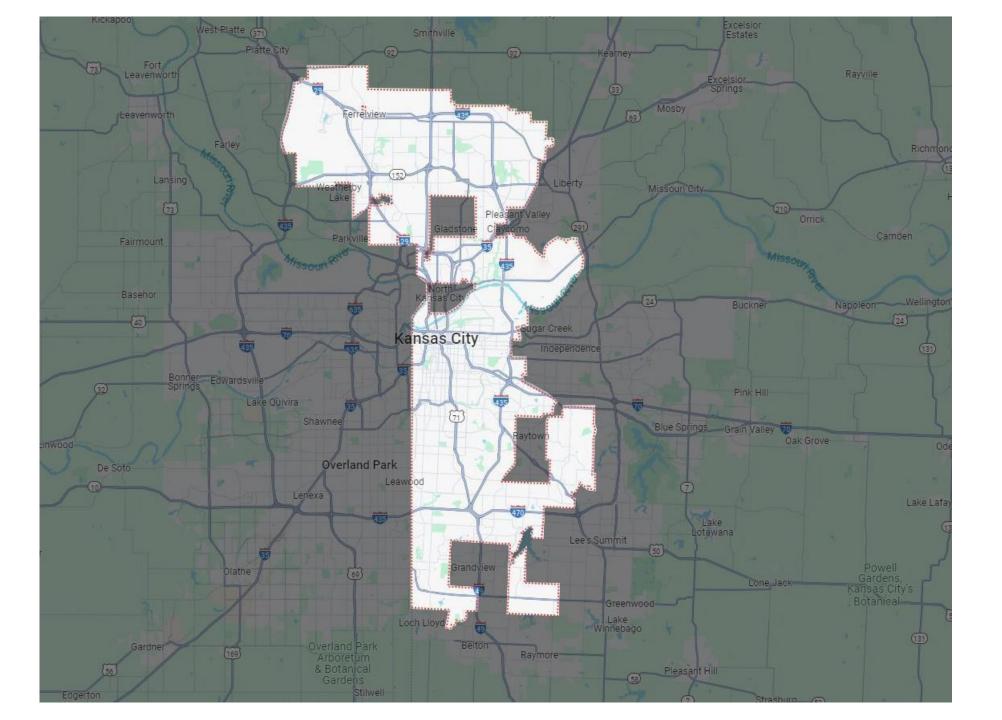


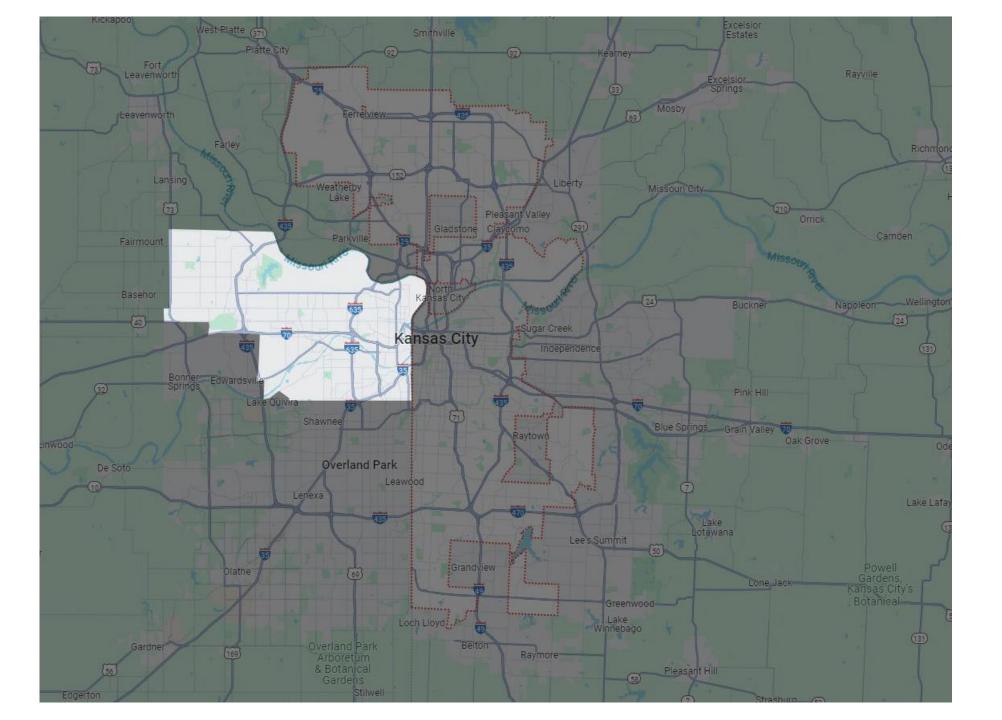
Meeting Host

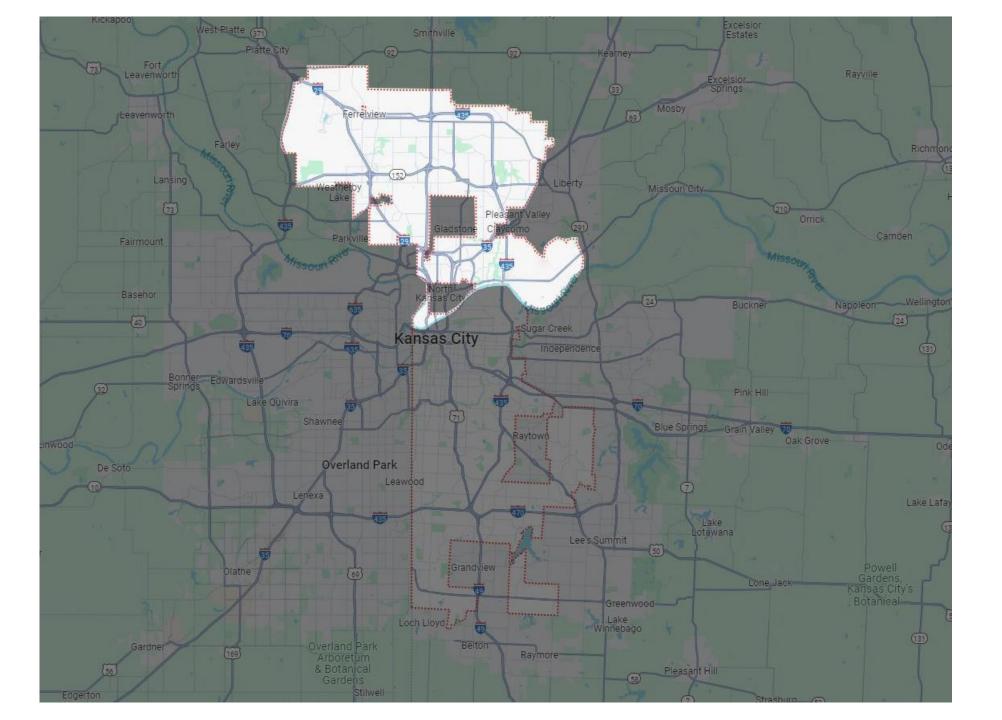


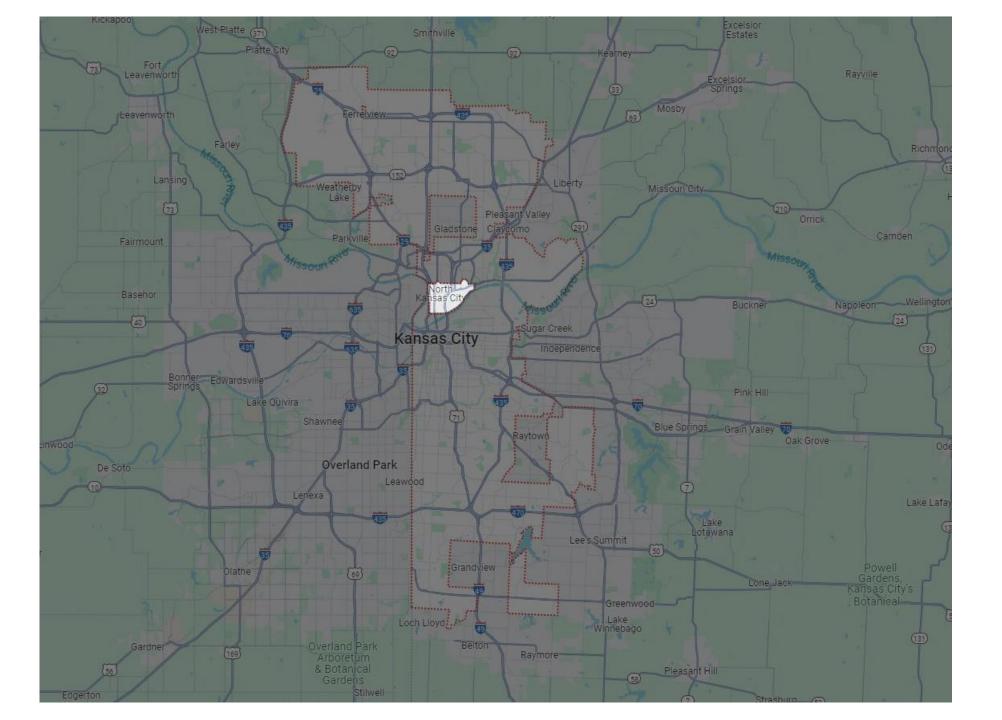


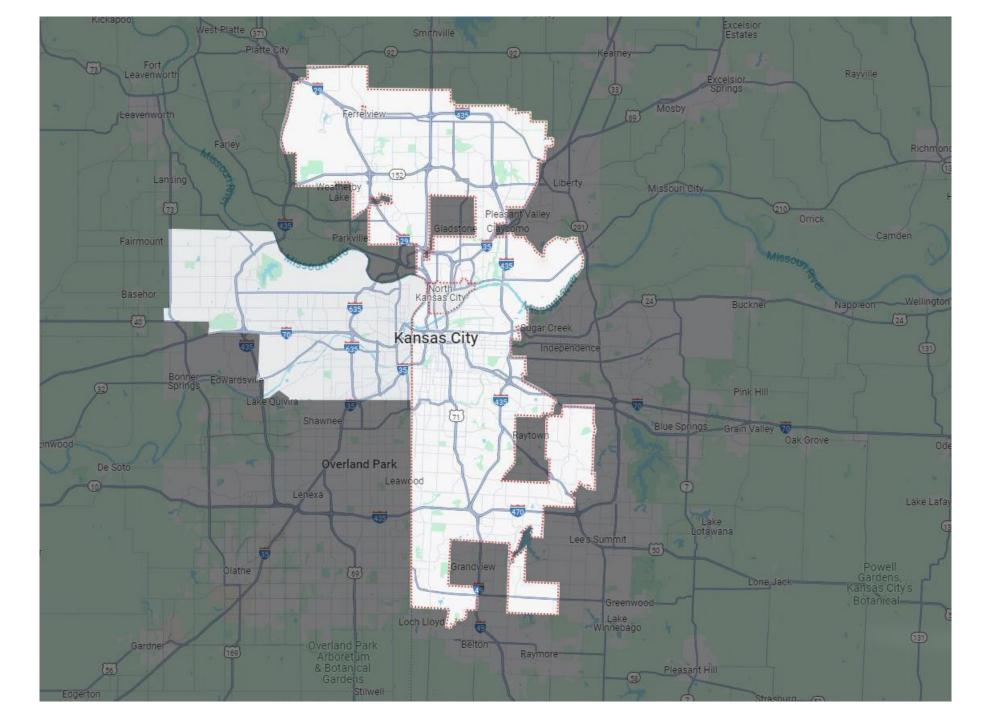


















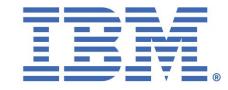


Premium Sponsors

Platinum







Gold





Meeting Connectivity









A note from connectivity sponsor

Jared Mauch

In the past

- Many T1's
- DS3
- Wireless links
- Fiber built into venue (Bellevue)
- Structured cable built in venue (Bellevue)
- Nanog 37 (a case of venue issues)

Plan C:

- Microwave from the Hilton to Joe Pucik's 13th Floor office at Mae-West →
- Fiber from 13th fi. Office to 2nd floor Meet-Me room (Carlyle Group) →
 - Cross connect to Chris Queseda's Switch&Date Metro Lan →
 - Across S&D Lan to PAIX Palo Alto →
 VLAN to Jared Mauch (NTT/US) for Transit

Plan D:

Hilton has fiber run to SJCC infrastructure.

- Trango Sámb Microwave from Hilton to Dave
 "Bungi" Rand's 18th Floor Penthouse Roof at 50
 West San Fernando
 - Fiber from Bungi to Switch & Data at Pale Alto Cross connect to Jared Mauch (NTT/US) for Transit
 - "Nothin but net" 45mb sustained!

Consistent problem these days

- Hotel internet has improved over the years
- Technical needs of the conference have generally stayed the same with some important caveats
- Venues have identified revenue sources
- Connectivity donors reluctant to do a short-term or free deal
- Mega-telcos do brand wide deals locking hotel owners in
- Venues want to charge us for fiber we installed ourselves

Carrier quotes can be high

- \$70-80k per conference
 - \$160/person @ 500 people
- Reasonable quotes:
 - \$1800/mo@12m \$43/person @ 500 people

What can you do?

- Look at the upcoming meetings list
- Identify what locations you may be able to serve
- Donate connectivity?
- Donate Money?
- Eliminate connectivity sponsor and make NANOG purchase bw?
- Also a problem for IETF

Upcoming meetings

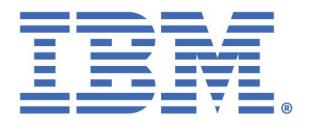
- Atlanta, GA
- Arlington, TX
- San Francisco, CA
- https://nanog.org/events/future/

An ending

- Always trying to help in the background
- A lot of work goes into making this happen, thank the staff and be patient with them this week
- Spend some modest marketing budget, fiber or cash to cover this

Espresso Bar

Network Lounge







Hackathon



Beer 'N Gear

































Peering Sponsors

IONOS





Showcase Sponsors

























DEI Lunch

WIT Mixer









Social Events















Virtual Meeting Fellowship

Service















Code of Conduct + Ombuds

Building Community

The Code of Conduct sets the behavior expectations of the NANOG Community (You agree to follow the CoC when you register for this meeting.)

The Ombuds are here as a neutral party to help us navigate each unique situation

Ombuds, Is this Necessary?

Yes! There have been incidents

There have been 2-5 reported incidents at each NANOG event where we have Ombuds representation for reporting and tracking.

In each case the Ombuds worked with the reporter to ensure they were safe and heard.

In most cases mediation was scheduled and all parties involved reported a positive outcome.

An anonymized report is prepared for the Exec leaders of the NANOG Board to bring awareness and highlighting potential improvements.

The Exec Director of NANOG will be briefed if removal is recommended.

Ombuds Reports

What happens?

- 1. A report is made to the Ombuds
- 2. The Ombuds investigate to determine validity and next steps
- 3. If another party is involved and the person that filed a report is comfortable a mediation is scheduled to resolve the issue
- 4. If a resolution can not be found via mediation the matter is closed
 - a. If the violation is severe other actions might be taken such as a ban from a NANOG event and/or a ban from future events

Code of Conduct

We will not tolerate the following:

- · Aggressively pushing your own services, products, or causes
- Engaging in any activity that is illegal
- 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
- · Sustained disruption of a presentation or other event
- · Inappropriate physical contact and/or unwelcome sexual attention

Full list can be found here: https://nanog.org/about/code-conduct/

NANOG Ombuds



Future CainCEO of Future of SEL



Justin Williams
Associate, Future of SEL



NANOG Ombuds

Confidential support for our community

ombuds@nanog.org







Program Overview

Steve Plote

NANOG Program Committee Chair

Program Committee Members

Stevan Plote - Chair Plote & Associates

Adair Thaxton - Vice Chair Internet?

Elizabeth Culley - Secretary Comcast

Phil Bedard - Member Cisco

John Brown - Member

Dan Chioreanu - Member Apple Inc

Kate Gerry- Member NetActuate, Inc

Mikael Holmberg - Member Extreme Networks

Alex Latzko - Member Kentik

Nimrod Levy - Member AT&T

Fearghas McKay - Member FLEXOPTIX GmbH

Steve Meuse - Member Kentik

Sergey Myasoedov - Member NetArt Group

Nagendra Nainar- Member

Yingzhen Qu - Member IETF

Arul Sekar - Member Google

Krassimir Tzvetanov -Member Steve Ulrich - Member Arista Networks

Michael Voity - Member University of Vermont

Les Williams - Member Amazon Web Services

Jeffrey Zhang - Member Juniper Networks

Board Liaison - Cat Gurinsky



General Session + Tracks

NANOG 91 has 30 talks on topics including:

- Automation
- BGP
- RPKI
- Security Track

- Industry Updates
- Monitoring
- o IPv6
- Tutorial



Diversity, Equity + Inclusion Programs

DEI events are about Inclusion and building Community

- Women In Tech Mixer (Sunday)
- DEI Lunch to further the conversation (Tuesday)
- Table Topics (Monday and Tuesday)

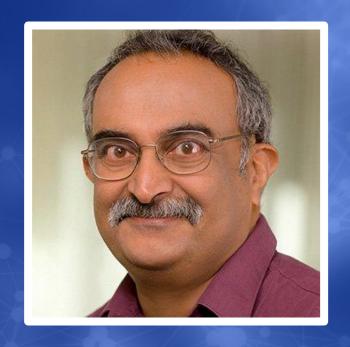


NANOG 91 Keynotes



TCP Terminates on the
Floor: The Ebbing Tide of
Networking Expertise
Corey Quinn - The Duckbill Group

Monday 10:15 AM
City Beautiful D/E Ballroom



Network Digital Twin

Kireeti Kompella - Juniper Networks

Tuesday 10:00 AM
City Beautiful D/E Ballroom

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



Submit Lightning Talks!

- Reminder Lightning Talks are in person
- Two lightning talk time slots this meeting:
 - 5:30pm-6:00pm CDT Tuesday
 - 4:15-4:45pm CDT Wednesday
- Submit abstracts by 3:30 PM CDT the day before you wish to speak
- PC will send notifications the evening prior
 - Please include cell # in profile to be notified via text!
- Final slides due 12:00 PM CDT day of presentation



NANOG 91 Surveys

- Surveys online
 - https://www.nanog.org/surveys
 - Daily Survey available for Monday, Tuesday, Wednesday Complete the daily survey each day to enter the drawing for a \$100 gift card
 - Surveys close Friday, June 14, 2024





Enjoy our Program

