Conference Opening

Leslie Daigle
NANOG Board Chair
Meet our new Executive Director

Jonathan Black

ejblack@nanog.org

Watch the video at nanog.org/jblack
Welcome to Kansas City!
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
A SPECIAL THANKS TO OUR SPONSORS
Meeting Host
WELCOME

TO KANSAS CITY

NANOG 91 | June 2024
Premium Sponsors

Platinum
- AWS
- ARIN
- IBM

Gold
- VERISIGN

NANOG
Meeting Connectivity

Washtenaw Fiber

Cisco Meraki

Juniper Networks

NANOG™
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 fl. Office to 2nd floor Meet-Me room (Carlyle Group) →
- Cross connect to Chris Queseda's Switch&Data 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 54mb Microwave from Hilton to Dave "Bungi" Rand's 18th Floor Penthouse Roof at 50 West San Fernando
- Fiber from Bungi to Switch & Data at Palo 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

IBM

SEGRA

NANOG
Hackathon
Peering Sponsors

IONOS

JPIX
Social Events
Virtual Meeting Fellowship

Internet Society

Service

aws

CLOUDFLARE

CONTAINERlab

deft

NANOG
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 Cain
CEO 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
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<tbody>
<tr>
<td>Stevan Plote</td>
<td>Plote &amp; Associates</td>
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<td>Adair Thaxton</td>
<td>Internet2</td>
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<td>Elizabeth Culley</td>
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<td>Phil Bedard</td>
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<td>John Brown</td>
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<td>Dan Chioreanu</td>
<td>Apple Inc</td>
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<td>Kate Gerry</td>
<td>NetActuate, Inc</td>
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<td>Mikael Holmberg</td>
<td>Extreme Networks</td>
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<td>Alex Latzko</td>
<td>Kentik</td>
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<td>Nimrod Levy</td>
<td>AT&amp;T</td>
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<td>Fearghas McKay</td>
<td>FLEXOPTIX GmbH</td>
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<td>Steve Meuse</td>
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<td>Sergey Myasoedov</td>
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<td>Arul Sekar</td>
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<td>Krassimir Tzvetanov</td>
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<td>Michael Voity</td>
<td>University of Vermont</td>
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<td>Les Williams</td>
<td>Amazon Web Services</td>
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<td>Jeffrey Zhang</td>
<td>Juniper Networks</td>
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<tr>
<td>Board Liaison</td>
<td>Cat Gurinsky</td>
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NANOG
NANOG 91 has 30 talks on topics including:

- Automation
- BGP
- RPKI
- Security Track
- Industry Updates
- Monitoring
- 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