



# Community Meeting

Edward McNair, NANOG Executive Director  
Cat Gurinsky, Program Committee Chair



NANOG®

A photograph of two men in a workshop or office setting. The man on the left has a beard and glasses, wearing a maroon polo shirt. The man on the right is wearing glasses and a light blue hoodie. They are both looking intently at a laptop screen. The background is slightly blurred, showing other people and computer monitors.

# Development Updates

# NANOG Welcomes Greg Newman

- Greg joins us as our Senior Development Specialist.
- He has been serving as our contracted developer for the past 3 years.
- Greg's transition to full time saves the organization money, while increasing productivity substantially.



# 2022 Development Projects

- Migrate membership and donations to Stripe
- Improve test coverage
- New forms for Talk Submissions
- Cluster Rebuild
- Upgrade Stripe to Payment Intents
- Appointment Tool Beta
- Dozens of bug fixes and feature tweaks
- PCTool v2 (a complete redesign of the app)

# Registered Attendees

My Calendar


























Quick access to your calendar.

914 Total Registrants

79 Virtual

835 In-Person

Search to narrow down attendees

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		



Indicates the someone is available for appointments.

Can only be accessed if you are a registered in-person attendee and have also enabled availability for appointments.

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

## Registered Attendees

914 Total Reg

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		

Cancel Invite Leigh Brooks Add

Title

Description

Location

Starts

Ends

# My Calendar

Please note that this is a Public Beta. Please provide any feedback here [↗](#)

Requested Appointments >

Incoming Invites

Sent Invites

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)

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

8 AM

9 AM

Test meeting  
8:00 AM -

Setup

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

Blocked  
7:00 AM - 10:15 AM

Incoming meeting requests can be viewed on the first tab.

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

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

# My Calendar

Please note that this is a Public Beta. Please provide any feedback here [↗](#)

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

Please note that this is a Public Beta. Please provide any feedback here [📧](#)

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**

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

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

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



# 2023 Development Projects

- Update site navigation, UI + staff administration tools
- Registration System Upgrades
- Sponsor Tool
- Badge Printing
- Appointment Tool v1
- Virtual Platform Upgrades
- Meeting Room/Table Assignment
- Interactive Reporting
- Enabling NOGs to use our Event tools



# Outreach

Edward McNair

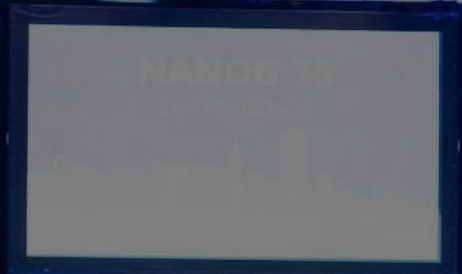


# NANOG U: Montgomery

A collaboration between NANOG, ICANN, ARIN and our Outreach Partners. Hosted by the City of Montgomery Mayor's Office.

## Agenda

- What is NANOG & How Can It Help You?
- ARIN and the Regional Internet Registry (RIR) System
- Cache Rules Everything Around Me:Content Distribution 101
- Intro to DNS
- The Most Important Piece of Internet Infrastructure You've Never Heard Of (ICANN)
- How to Get a Job in Tech
- Panel Discussion: Careers in Technology
- Connecting the World While Charting Your Career



### Framework – GitHub/Jenkins/Ansible

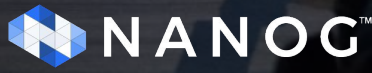
- Initially deployed for Open Networking (Cumulus)
- Playbooks stored in GitHub for version control, change MGMT, and code/peer review
- Playbooks run from Jenkins for centralization, security, auditing, logs, etc. (logs all jobs and results to Splunk)
- Ansible and associated plugins/modules installed on Jenkins server

```

graph TD
    GitHub[GitHub] --> Jenkins[Jenkins/Ansible]
    Jenkins --> Splunk[Splunk]
    Jenkins -- EAPI/CLI --> Arista[Arista]
    Jenkins -- SSH --> Cumulus[Cumulus]
    Jenkins -- Nitro API --> Citrix[Citrix]
    Jenkins <--> User((User))
  
```

# The NANOOG Program

Curated by industry professionals



# Evolution of the PC

- Newer Sub-Committees
  - Data Analysis Sub-Committee
  - Moderators Sub-Committee
- Broken off Sub-Committees
  - Education
  - Outreach
- Improvements to Talk Submission Process
  - Assigning of Content Reviewers earlier in the process

# Evolution of the PC Tool

Developments made to the tool have helped the PC work more efficiently, and in turn, improve speaker experience.

NANOG 86 Summary - 103 talks in the hopper, 5 pending, 0 submitted, 53 accepted, 10 deferred

[Show All](#)[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
+		<a href="#">4655</a>	Internet Innovator Series: Nii Quaynor - The African Father of the Internet		NANOG Content	30
+	Alex Latzko	<a href="#">4469</a>	Seamless Data Center Interconnect options using EVPN & various tunnel stitching	Michal Styszynski	General Session	45
+	Mike Starr	<a href="#">4488</a>	The 2022H1 DDoS Threat Landscape Report	John Kristoff	General Session	30
+	Steve Ulrich	<a href="#">4481</a>	Towards a new Ethernet for High-Performance Data Centers - Activities and Enhancements in IEEE 802.1	Paul Congdon	General Session	30
+	James Shank	<a href="#">4493</a>	Internet impacts due to the war in Ukraine	Doug Madory, David Belson	General Session	30
+	Jeff Bartig	<a href="#">4576</a>	Efficient network automation with Nornir and Napalm	Neelima Parakala	General Session	30
+	Steve Ulrich	<a href="#">4573</a>	Emulating Network Topologies in k8s.	Rob Shakir, Marcus Hines	General Session	60
+	Steve Ulrich	<a href="#">4558</a>	Automating Your Circuit Maintenance Notifications	Josh Vanderaa	General Session	30
+	Stevan E Plote	<a href="#">4591</a>	ML Driven Bandwidth Forecasting	Venkata Naga Chaitanya Munukutla	General Session	30
+	Alex Latzko	<a href="#">4600</a>	Native American Nations: The pandemic was a catalyst for the need for connectivity, but are we connected yet?	Matt Rantanen	General Session	45



# Agenda Builder

- Previously agenda was built in Excel and then manually synced to the website agenda
- New tool allows the PC to drag and drop into the agenda schedule
- Look familiar? It uses the same engine as the appointment tool!

## Agenda Builder

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

October 2022		Week		Day			
Sun 16		Mon 17		Tue 18		Wed 19	
all-day							
7 AM							
8 AM							
9 AM		Monda Breakf 8:30 AM -	Monda Meetin 8:30 AM -	Tuesda Breakf 8:30 AM -	Tuesda Meetin 8:30 AM -	Wednesda Breakfast 8:30 AM - 9:45 AM	Wednesda Meeting Registratio 8:30 AM - 5:00 PM
10 AM	NANOG Hackathon 10:00 AM - 6:00 PM	NANOG Keynot Me, NTP, Going Dark:	NANO 86	Interne Native Americ NOGs ARIN	Interne Native Americ NOGs ARIN	NANOG Efficient	
11 AM							
12 PM		NANO Netwo Lunch 12:00		Tuesda Lunch 12:00 PM -	Wome In Tech Lunch	Wednesda Lunch (On Your Own)	
1 PM							
2 PM		The Towar		Seamle Data		Automatin	
3 PM		ML		Increa		Lifecycle	
4 PM		Monda Interne Routin and Traffic Securit		Respon under		Network CI with NANOG 86	
5 PM		Sunday Meeting Registratio 4:00 PM - 6:00 PM	Interne Innovator Series:	Peering Coordinati Forum 5:00 PM - 6:30 PM	Tuesda 2022 Board of Directo Being a better Tuesday Lightning Talks	Wednesda Internet Evolution Emulating Network Topologies	Wednesda Lightning NANOG 86
6 PM	NANOG 86 Kick Off Reception 6:00 PM - 9:00 PM				NANOG 86 Beer n Gear 6:00 PM - 8:00 PM	ARIN Happy Hour	
7 PM		Monday Night Social 7:00 PM - 10:00 PM					
8 PM					Tuesday Night Social 8:00 PM - 10:00 PM		
9 PM							
10 PM							

# Rolling Call for Presentations

- Submit now for the next several NANOG meetings

## Meeting

✓ NANOG 86 - Hollywood, CA

NANOG 87 - Atlanta, GA

NANOG 88 - Seattle, WA

NANOG 89 - San Diego, CA



# N86 & N87 Talk Submissions

- **NANOG 86**
  - 73 Submitted Talks (total)
  - 24 Accepted Talks (+2 Lightning Talks)
  
- **NANOG 87**
  - 12 Pending Talks
  - 1 Accepted Talk
  
- The Tutorials & Tracks room is back for N87 and onward, so we will be able to accept more talks going forward
- *Submit as early as possible!*

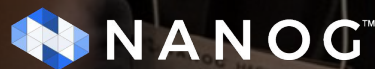
# Program Committee Volunteers

- Interested in serving?
- Starting in January, NANOG Members can submit their name for consideration to serve on the PC
- Positions are board appointed for 2 year terms
  - PC members can serve 2 consecutive 2 year terms
- There will be 14 positions available, of which 5 are to replace term-limited PC members
- Appointments will be made in February

A photograph of three people at a hackathon. On the left, a man with a beard and long hair, wearing a dark jacket with blue and white stripes on the sleeve, is smiling broadly. In the center, a man in a plaid shirt is looking towards the camera with a slight smile. On the right, a woman with dark hair is smiling and looking towards the camera. They are all sitting at a table with laptops. The background is slightly blurred, showing other people and a blue wall.

# Thank you

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



Akshat

Q+A