

# Network Automation Showdown: NetBox, Nautobot & Infrahub for Source of Truth

NANOG 93: Wednesday, February 5th, 2024

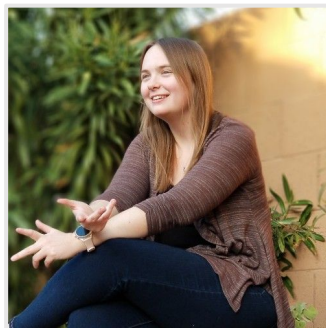
Moderator: Cat Gurinsky

Panelists: Shannon Byrnes, Barrie Cook, Michael Costello,  
Damien Garros, Jason Edelman

# Panel



**Cat Gurinsky**



**Shannon Byrnes**  
Internet2



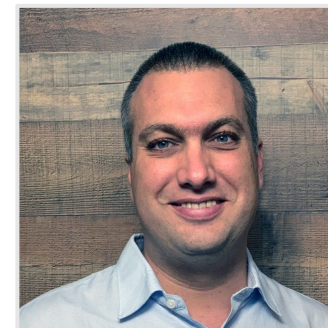
**Barrie Jones Cook**  
Barrie Jones Cook  
Consulting



**Michael Costello**



**Jason Edelman**  
Network to Code



**Damien Garros**  
OpsMill

# High Level Comparisons

	NetBox	Nautobot	Infrahub
Open Source Licence	Apache 2.0 + PSL* (for plugins)	Apache 2.0	AGPL
Cloud Option?	yes (limited features in free tier)	yes (paid only)	not yet
Paid Benefits	Professional Services Higher Device Limits in Cloud version (see website for details)	Cloud option Professional Services	Support Advanced RBAC Improved scale and performance
Docker & Helm Charts?	yes	yes	yes

# NetBox



The premier source of truth powering network automation.

Started in 2016

<https://github.com/netbox-community/netbox>

Sponsored by Netbox Labs

# Nautobot



Network Source of Truth & Network Automation Platform

Started in 2021

<https://github.com/nautobot/nautobot>

Sponsored by Network to Code

# Infrahub



A new approach to Infrastructure Management

Started in 2023

<https://github.com/opsmill/infrahub>

Sponsored by OpsMill

# Netbox - Links

Github	<a href="https://github.com/netbox-community/netbox"><u>https://github.com/netbox-community/netbox</u></a>
Documentation	<a href="https://netboxlabs.com/docs/netbox/en/stable/"><u>https://netboxlabs.com/docs/netbox/en/stable/</u></a>
Python SDK	<a href="https://github.com/netbox-community/pynetbox"><u>https://github.com/netbox-community/pynetbox</u></a>
Community	<a href="https://netdev-community.slack.com"><u>https://netdev-community.slack.com</u></a>
Integration	<a href="https://netboxlabs.com/netbox-plugins/"><u>https://netboxlabs.com/netbox-plugins/</u></a>
Public Sandbox	<a href="https://demo.netbox.dev/"><u>https://demo.netbox.dev/</u></a>

# Nautobot - Links

Github	<a href="https://github.com/nautobot/nautobot"><u>https://github.com/nautobot/nautobot</u></a>
Documentation	<a href="https://docs.nautobot.com/"><u>https://docs.nautobot.com/</u></a>
Python SDK	<a href="https://github.com/nautobot/pynautobot"><u>https://github.com/nautobot/pynautobot</u></a>
Community	<a href="https://networktocode.slack.com"><u>https://networktocode.slack.com</u></a>
Integration	<a href="https://docs.nautobot.com/projects/core/en/stable/apps/"><u>https://docs.nautobot.com/projects/core/en/stable/apps/</u></a>
Public Sandbox	<a href="https://demo.nautobot.com"><u>https://demo.nautobot.com</u></a>



# Infrahub - Links

Github <https://github.com/opsmill/infrahub>

Documentation <https://docs.infrahub.app/>

Python SDK <https://github.com/opsmill/infrahub-sdk-python>

Community <https://discord.gg/opsmill>

Schema Library <https://github.com/opsmill/schema-library>

Integration <https://docs.infrahub.app/integrations/>

Public Sandbox <https://demo.infrahub.app/>



# Thank you

05-FEB-2025