



IP Fabric | Nautobot-ChatOps

Take advantage of ChatOps to broaden the scope of teams that can connect with tools, systems, and workflows that elevate the way they work – all through conversation.





Your Challenge

Do you wish you could simply ask your network what you want to know the way you'd message a colleague "lunch at 12?"

Teams across your organization – be it security, cloud, infrastructure, or leadership - can't usually access relevant data without relying on your network team, leading to inefficient processes, and disenfranchising colleagues who don't have the entire network in their head.



Our Solution

The Nautobot ChatOps Framework provides a way to efficiently communicate & collaborate with Operational Support Systems and IT tools.

IP Fabric supports complex multi-vendor network discovery & gives full visibility into inventory, config, topology & behavior.

Whoever needs these answers can easily get them, without reliance on your network team. Democratizing important network data by making it easy to access can improve efficiency and foster harmony across your organization.



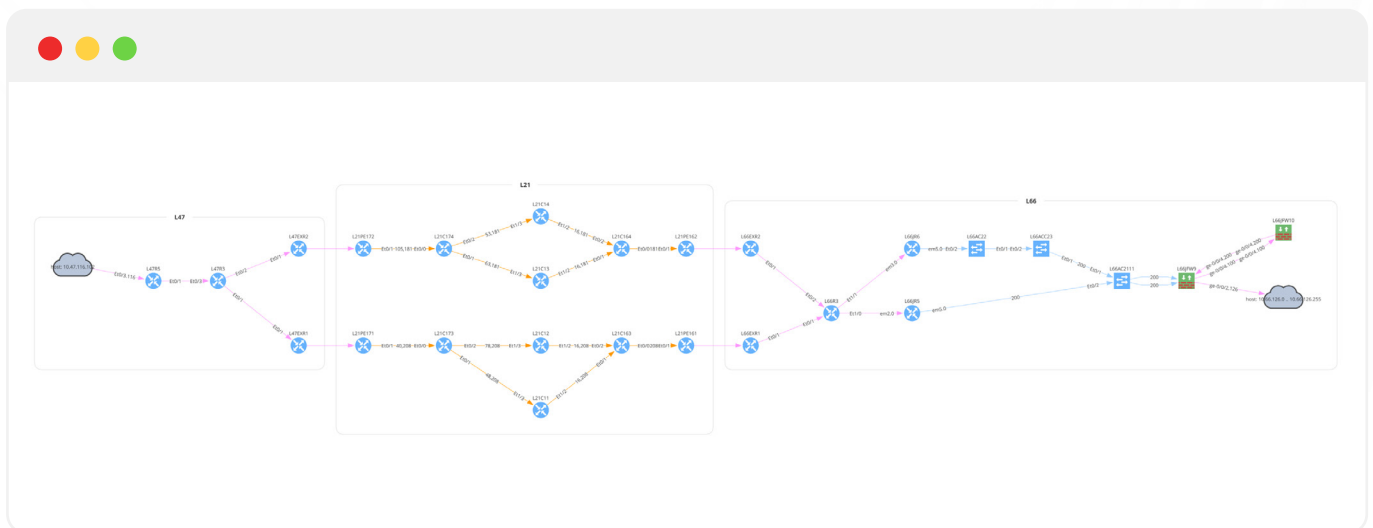
Benefits

- Cut down on repetitive, time-consuming tasks, accelerating your pace of operations.
- Democratize access to data intelligence, empowering teams with varying skill sets.
- Enable teams across your organization to use a unified network source of truth.

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Deployment

All that's required for deployment is enabling a bot in the messaging platform. The bot will send user requests to your Nautobot server, which communicates with IP Fabric via API.



What can you ask for?

- Point-in-time network snapshots capturing actual network state and configuration
`/ipfabric set-snapshot [snapshot]`
`/ipfabric get-snapshot`
- Comprehensive network inventory based on IP Fabric's auto-discovery
`/ipfabric get-inventory`
- End-to-end path trace simulations
`/ipfabric pathlookup`
- Routing table information
`/ipfabric routing`
- Wireless (SSID and Client information)
`/ipfabric wireless`
- Find Host in your network
`/ipfabric find-host`

The Nautobot ChatOps Project

Nautobot ChatOps is an open-source project maintained by Network to Code. Our Solution Architects are working with them to continuously make improvements and adjustments. The goal is to get as close as possible to the process feeling simply like asking a question, rather than querying a database.

More resources

- Network to Code: Nautobot ChatOps for IP Fabric
- Network Field Day 27: Innovation in your service using IP Fabric
- Github: Nautobot-IP Fabric ChatOps



About **IP Fabric**

IP Fabric is solving Network Assurance for large enterprises by creating a digital twin of the entire network infrastructure, containing information about every technology and protocol, and capable of simulating forwarding and security scenarios. IP Fabric's network model is also used as a Network Source of Truth for network automation initiatives, serving as an API for the entire network. IP Fabric was recognized by Gartner as Cool Vendor in Network Automation for 2022.



Don't take our word for it and try our

Self-Guided Demo

Discover for yourself how you can increase your network's visibility and maximize your time efficiency.



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