



# IP FABRIC



## IP Fabric | Network Agility

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. As your networking operations grow to match your business intent, your network has to rapidly adapt to changes. Leverage data collected by IP Fabric to give you the necessary insight to enhance your understanding of your network in the face of change – keeping you on the front foot.



## Challenge

An increasingly dynamic and competitive business world requires networks to be easily adapted to change and growth – In other words, **networks need to be agile** to keep up with evolving business needs. But without the time, resources, manpower, or relevant insight about whether your network can support the required changes, this can become mission impossible.

You need a solution that provides the **essential, contextualized insight** you need to act proactively, rather than reactively.



## Solution

IP Fabric can be leveraged to provide you with an automated solution that grants unparalleled insight into your network to help you create an **on-prem cloud experience**. IP Fabric trawls your network in minutes and visualizes it in topological diagrams that can be viewed on different protocol levels, giving you the right data, **with context**, that you need to validate changes both pre- and post-implementation. Build checks and balances into your automation workflows for constant assurance that you're on the right track as your network grows - with minimal manual effort.



## Benefits

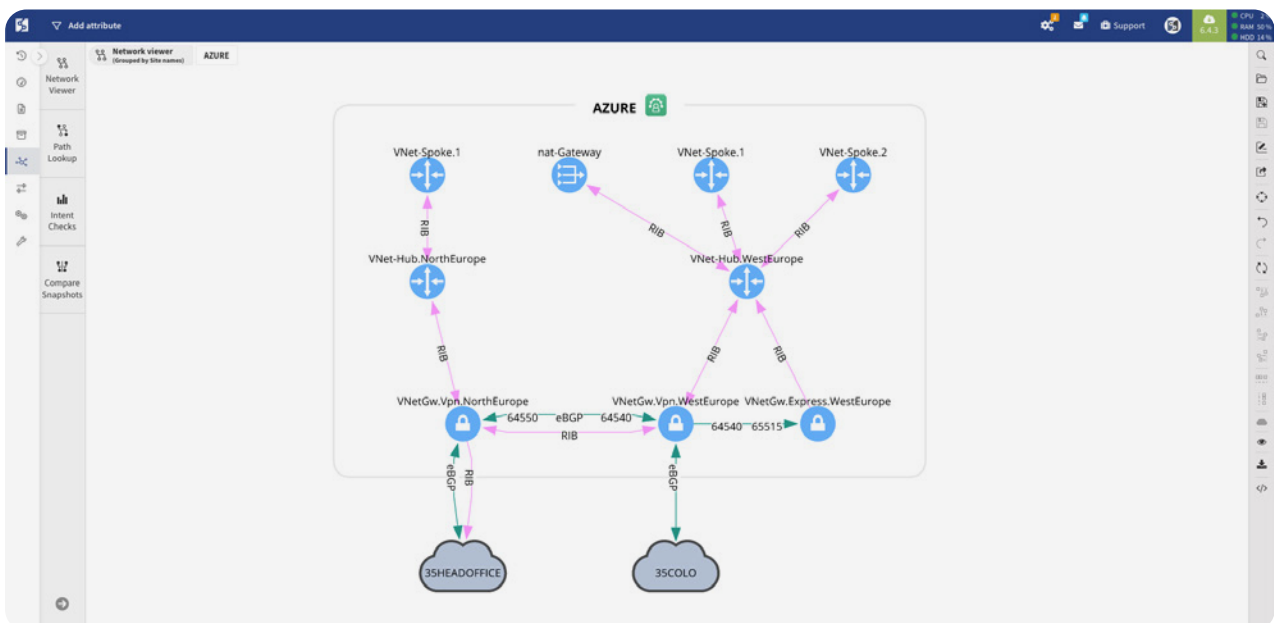
- End-to-end change validation
- Increased operational efficiency
- Contextualized, granular network visibility
- Reduction in bottlenecks
- Proactive reporting, troubleshooting and data democratization

# What are the characteristics of an Agile Network and where does IP Fabric fit in?

## Automation

Leveraging automation to handle previously manual processes is essential for increased network agility. IP Fabric helps you automatically answer some essential questions, such as “Is my network performing as intended?”:

- Obtain up-to-date contextualized insight into your network and infrastructure in minutes – All in structured JSON format, accessed with simple REST API calls. No need to retrieve it yourself, parse it, or model it.
- IP Fabric can be integrated into your automation workflows. Build in these checks and balances to ensure that everything is as it should be, with minimum manual effort.
- Utilize webhooks to external systems after snapshots to determine whether a change within the network has occurred (e.g.) if application paths are working as intended, and if not, then why not?



# Visibility

Proactive visibility and network monitoring are key to achieving increased network agility.



# 21.9%

of organizations believe that a visibility architecture improves network/applications performance and/or resiliency.

*SOURCE: EMA 2022 Report – Network Visibility Architecture for the Hybrid, Multi-Cloud Enterprise.*



# 50.3%

believe that a visibility architecture is very important for successful collaboration between network & security teams.

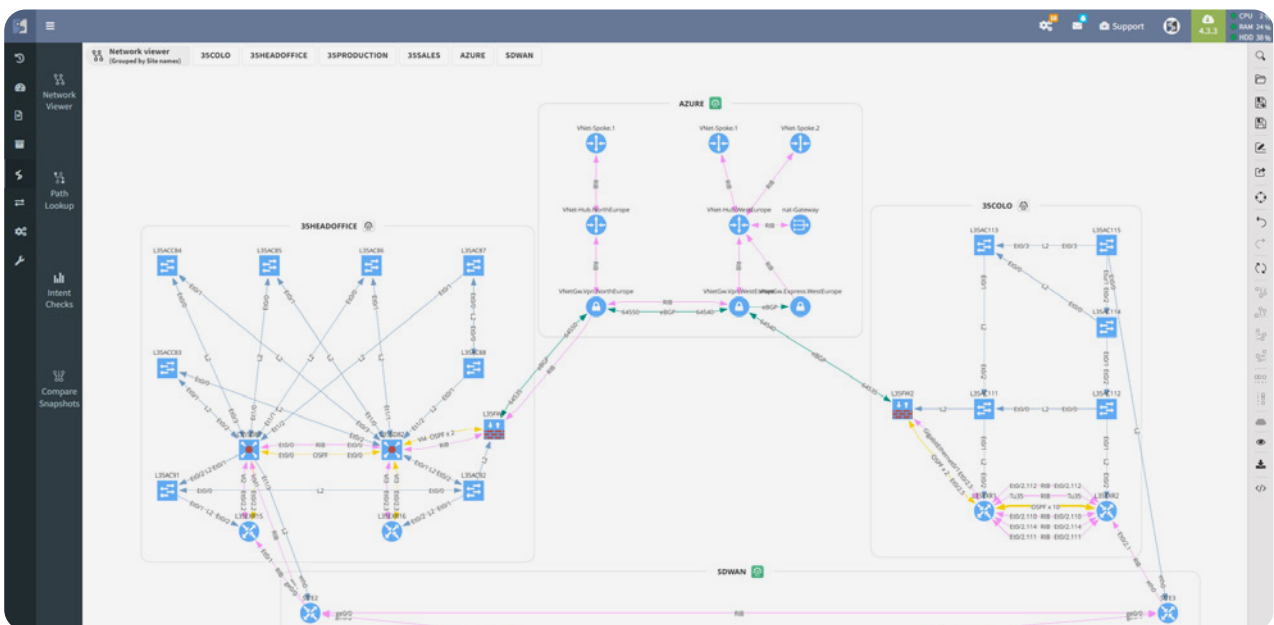
*SOURCE: EMA 2022 Report – Network Visibility Architecture for the Hybrid, Multi-Cloud Enterprise.*



Leverage IP Fabric's visualization capabilities as a **key part** of your visibility architecture that provides **context**:

→ Understand the relationships and forwarding behavior of your network to make necessary changes.

→ Give teams timely, relevant information and reduce their reliance on manual, static and error-prone documentation.



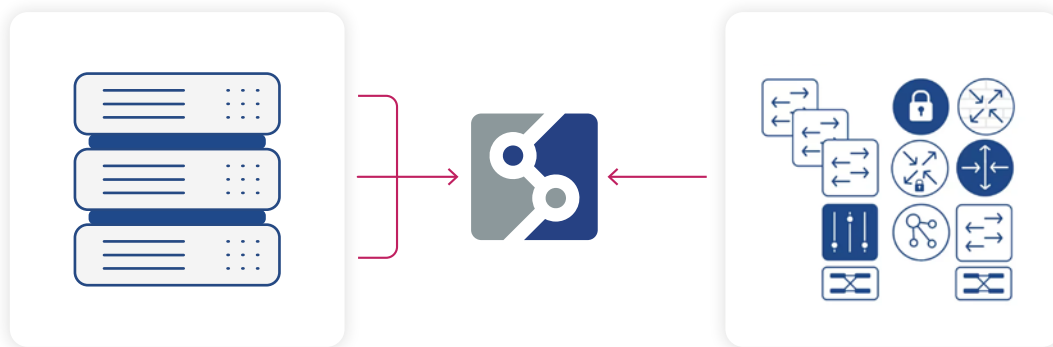
## End-to-end Change Validation

With IP Fabric, you can increase network agility using actual network data to validate change success pre- and post-implementation.

Perform checks pre-change to understand the “known good” state of your network. Validate success post-change with:

- Topological overviews
- Intent Checks
- Path Checks

Give teams **instant assurance** that a change is having the intended effect and ensure any deviation from expressed intent is addressed **more proactively than reactively**.



## Scalability

Whether adding new network devices or merging two networks following a merger and acquisition process, IP Fabric's modelling feature scales with the network to provide context, and a consistent end-to-end view of your network, no matter the size – keeping you in the know and ready to react at all times.

This also applies to security policy enforcement. When a network increases in size, so too does its attack exposure surface. IP Fabric consistently checks that your security policy is deployed accurately and consistently across your network environment – allowing you to ensure it expands securely.



# 26.8%

of companies report scalability as a main challenge when using network visibility architecture technology.

*SOURCE: EMA 2022 Report – Network Visibility Architecture for the Hybrid, Multi-Cloud Enterprise.*



## More Resources

- Solution Brief: Network Automation. Read it [here](#).
- Solution Brief: Nautobot-ChatOps. Access it [here](#).
- Case Study: Airbus. Read it [here](#).



## About IP Fabric

IP Fabric is a vendor-neutral network assurance platform that automates the holistic discovery, verification, visualization, and documentation of large-scale enterprise networks, reducing the associated costs and required resources whilst improving security and efficiency.

It supports your engineering and operations teams, underpinning migration and transformation projects. IP Fabric will revolutionize how you approach network visibility and assurance, security assurance, automation, multi-cloud networking, and trouble resolution.



### Don't take our word for it

See how assurance can transform your approach to network management.

[Access the demo](#)



Support & Documentation  
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