



IP FABRIC



IP Fabric | Airbus

How IP Fabric became the cornerstone of Airbus' network management and automation strategy



Revenue

70 billion USD
per annum



Size

130, 000
employees



Location

180 locations
across 5 continents



About

Airbus has built on its strong European heritage to become a truly international business – with roughly 180 locations and 12,000 direct suppliers worldwide. Next to the aerospace and helicopter divisions, Airbus Aircraft represents the biggest division with around 80% of the total network infrastructure.

In order to operate on a global level, the Airbus Network has a large, diverse, global system composed of multiple technologies. These serve as a lifeline for this high-tech company that generates almost 200 million USD a day in revenues. The client was looking for an automated solution that would help the Airbus Connectivity Team of over 200 collaborators effectively manage and further scale the network, while assuring its stability, security, and outage prevention.





Challenge

A global business needs a global overview.

With a large region to manage and the network infrastructure's constant evolution, the Airbus Connectivity Team struggled to get a global, accurate view of their environment. Without reliable, up-to-date information on the constantly changing network, the engineers' duties were becoming reactive and time consuming.



Solution

Airbus integrated IP Fabric as the company's single point of truth for its network tooling ecosystem. The solution serves as complete data source for the entire network configuration and its status. It also serves as a cornerstone for effective automation, outage prevention, and fast issue identification and troubleshooting.



IP Fabric is a cornerstone of our automation strategy and "must have" software for network management.

IP Fabric allowed us to have a real feedback loop on network status with a transversal view. We saw benefits from day one. It enabled us to consolidate internal tools into a single source, with a proper diagramming feature and extensive network data collection. Furthermore, the embedded network experience included in our predefined reports allows the operation teams to be more efficient in their day-to-day activities.

— Julien Manteau, Network Solutions Architect Lead at Airbus





Challenge

Overcoming complexity through automation

The Airbus Aircraft Connectivity Team struggled to achieve a global and accurate view of its network environment.

The large number of technologies and vendors that made up the network meant greater complexity and increased the risk of network incidents and malfunctions.

The Connectivity Team created homemade tools to help with compliance verification; however, those scripts were difficult to maintain and covered only a fraction of the targeted scope.



Solution

After choosing IP Fabric, all it took to deploy the solution was to connect the IP Fabric server to the Airbus Aircraft network and to provide server read-only rights.

IP Fabric then performed full network discovery: collecting over 1000 important parameters for each device and generating an up-to-date, fully interactive network topology map.

The discovery process is fully automated with no additional client support needed, and solution deployment was done in a single day.



Benefits

- Direct access to latest network status during troubleshooting
- Ability to compare historical snapshots to pinpoint changes
- Easily find previously hidden misconfigurations
- IP Fabric REST API enables integration into wider tooling ecosystem





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
<https://docs.ipfabric.io>



HQ Office Boston
98 North Washington St.
Suite 407
Boston, MA 02114
United States

+1 617-821-3639



IP Fabric UK Ltd.
Gateley Legal,
1 Paternoster Square,
London,
England EC4M 7DX

+420 720 022 997



IP Fabric s.r.o.
Kateřinská 466/40
Praha 2 - Nové Město,
12000
Czech Republic

+420 720 022 997



ipfabric.io 