



IP FABRIC



CHU Toulouse

As CHU Toulouse embarks on a journey to transform their digital infrastructure, they trust IP Fabric to ensure a smooth and secure transition.



18.8M€

Budget Commitment



90+

Projects



04 ✓

Years



CHU Toulouse Case Study

€18.8 million and 93 projects over the course of just four years: this is the journey Centre Hospitalier Universitaire de Toulouse is embarking on to modernize their infrastructure and lead the way in healthcare IT. By upgrading their Electronic Health Record (EHR) system, the hospital will not only strengthen security of health data, but also develop a centralized health data warehouse for the entire territory of Western Occitanie — all while complying with Global Data Privacy Regulations (GDPR) and Health Data Housing (HDS) requirements.

“ *The main goal of this new EHR is to streamline clinical workflows and support diagnosis, treatment, and care delivery while improving the user experience for healthcare professionals* ”

— Frédéric Machado, Network Administrator

Now two years into their project, CHU's digital transformation is well under way. Read on to learn how they're leveraging IP Fabric to de-risk the transition while ensuring security and smooth operations for patients, clinicians, and IT teams alike.

10-20%



In the average proof-of-concept session, IP Fabric uncovers a 10-20% discrepancy between an organization's CMDB and what's actually in their infrastructure.



Securing sensitive health data

Spread between a patchwork of network, storage, and visualization solutions, it's virtually impossible to get a complete view of the infrastructure. Add a digital transformation project on top of that, and it can be all too easy to let security risks like unmanaged devices and outdated configurations slip through the cracks.

As CHU planned to migrate from Cisco to Aruba, they knew that they needed an infrastructure assurance solution to ensure that their transition went smoothly and securely. They started by leveraging IP Fabric's digital twin capabilities to map and document every device, connection, and config from end to end. In each of these infrastructure snapshots, CHU also ran automated security and compliance checks to pinpoint issues like orphaned VLANs, misconfigured routing, or outdated devices.

“ We didn't have a global map before. Now we can see routing paths, detect anomalies, and ensure stable operations. It's helped us maintain a secure and consistent infrastructure.

— Frédéric Machado, Network Administrator

With these snapshots and checks running several times per day, CHU is able to monitor the effects of all infrastructure changes, and regularly validate that all configs are aligned to business intent. The end result? A smoother and more secure customer experience for both clinicians and patients.



THE END RESULT?

A smoother and more secure customer experience for both clinicians and patients.



“ NetBox is our source of truth, and IP Fabric represents our field reality. It helps us detect the gaps between reality and documentation.



Centralizing infrastructure insights for automated compliance

Without proper oversight, infrastructure automation can be a double-edged sword. If automated workflows aren't informed by the most accurate and up-to-date information, they can cause a ripple effect of costly errors. However, if organizations don't implement automation because of these risks, they put their security and compliance on the line with slower troubleshooting and remediation.

“ Without an assurance solution, we'd have to connect to each device manually, run scripts, extract routing tables, and use Excel to make sense of it all. IP Fabric saves us time, reduces human error, and improves change reliability.

— Frédéric Machado, Network Administrator

Take it a step further, and IP Fabric also makes it easy to share normalized infrastructure insights with any team that needs them. CHU employees can connect to IP Fabric via the user-friendly GUI as well as seamless API integrations with tools like NetBox, which CHU uses as a source of truth for IPAM, devices, and interfaces. This seamless collaboration is essential for proactively detecting things like CRC errors and cabling issues long before they can result in breaches, noncompliance, or unbudgeted spend.





Deploying advanced automation with confidence

CHU's success with IP Fabric has opened the door to more reliable automation. Their Cisco-to-Aruba migration exemplifies this shift. For instance, IP Fabric now automatically extracts configs from Cisco switches and generates Aruba configs via Zero Touch Provisioning (ZTP). After changes are made, IP Fabric syncs data back to CHU's CMDB so they can easily detect and correct any potential mismatches.

But the transformation extends beyond technical capabilities to daily operations; IP Fabric has become the cornerstone for governing CHU's digital infrastructure, whether they're streamlining routine workflows or providing proof of compliance.

“ IP Fabric helps us meet deadlines more effectively, de-risk changes, and reduce hidden costs caused by errors or redundancies. It's essential for anyone who wants to regain control of their network.

— Frédéric Machado, Network Administrator



*My colleagues now check IP Fabric first.
It's become second nature for us*





About IP Fabric

IP Fabric is the leading automated network assurance platform, offering a continuously validated view of cloud, network and security systems to improve stability, security and spend. Within minutes, the platform creates a unified view of devices, state, configurations and interdependencies, normalizing multi-vendor data and revealing operational truth through automated intent checks.

By uncovering risks and providing actionable insights, IP Fabric empowers enterprises to accelerate IT and business transformation while reducing costs. Trusted by industry leaders like Red Hat, Major League Baseball and Air France, IP Fabric delivers the foundation for end-to-end network governance.

Learn more at ipfabric.io and follow the company on [LinkedIn](#).



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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