



IP FABRIC



IP Fabric | Tatra Banka

IP Fabric has helped Tatra Banka's network team create a single source of valuable information for their network to foster open collaboration and faster workflows

About Tatra Banka

Tatra Banka is one of the largest commercial banks in Slovakia. Since their founding in 1990, they have strived to transform banking into a customer experience which is able to quickly adapt in a world of constant change. In order to continue doing this though, they also need to have a network that is capable of remaining resilient and efficient in its own world of constant change.

Network ecosystem

Tatra Banka operates across 120 branches in Slovakia, with 3 separate headquarter buildings. They operate approximately 1,000 devices, as well as multiple data centers running mainly on Cisco technology.

The trials and tribulations of Tatra Banka's networking team



The main challenges in my current role are around up to date documentation and misconfigurations. We spent a lot of time searching network path between source and destination manually, and by the time we have something fully up to date in our documentation, it's already out of date again.

— Martin Berzety - Head of Networking



The main challenge for me is gathering data. We have a lot of different sources to draw from. I have to log in to every device, prepare the data, and then when I'm done, it's very likely that we missed something, so I have to go back and re-do everything.

— Hugo Vrabel - Network Specialist

Networking made simple and efficient

Challenge

Before IP Fabric, Tatra Banka struggled to maintain their data center infrastructure due to the repetitive, manual workload associated with it - particularly when searching for endpoints and ensuring correct permissions for applications connected to their cloud services. This process was made more infuriating when the team would finally document their network, only for changes to render their documentation inaccurate.



The IP Fabric dashboard immediately tells us about misconfigurations or duplicated switches. Our branches have been running for a long time, so encountering change or duplicated switches and addressing them in time was time-consuming.

— Martin Berzety - Head of Networking



Solution

IP Fabric has helped Tatra Banka simplify their documentation process by acting as their source of truth for network information. Instead of searching interfaces individually, or trawling through permissions for cloud-connected applications, they can utilize IP Fabric snapshots and export tables to gather accurate views of their network in minutes.

The result?

Discovery and documentation tasks that used to take up to 2 days a week to complete are now done in 1 hour.

Snapshots also help the team with troubleshooting. Historical snapshots, which are saved after being taken help them to determine the previous state of the network so that, when an issue arises, they can pinpoint the location and point-in-time that the issue first occurred. Gone are the days of locating dead MAC addresses manually through cabling in their data center.



A common question we had to deal with was “Why is this not working, it was working 2 months ago?” We had no way to validate this before, but now we can with historical snapshots.

— Hugo Vrabel - Network Specialist



We were troubleshooting a connection to the external cloud. During this process we found missing routes. With IP Fabric showing us that this route was not present, we were able to troubleshoot and fix the issue in 5 minutes.

— Martin Berzety - Head of Networking

Benefits

- Reduced time to accurately document their network
- Snapshots used to validate correct network state
- Historical snapshots used to troubleshoot long-standing issues
- Easier to identify misconfigurations or duplications

A single source of truth for every team

Challenge

Operating and maintaining multiple data centers intended to keep an entire bank's system online is no easy feat. Even less so when teams need to work cross-departmentally to keep everything running. Siloes can easily develop which delay new projects or make troubleshooting an issue with an unknown cause more difficult.

Solution

With IP Fabric in place, however, everyone across the Tatra Banka organization can benefit from accurate and trustworthy network information. This has been exceptionally useful during their recent migration projects.

During a recent F5 migration not managed by the network team, Martin was able to obtain information around the migration and ensure this was reflected in his own plans without having to call his colleagues. This has led to a smoother migration project that has not been delayed by delayed responses or miscommunications.



We have a migration ongoing at the moment. We were working with a contractor who has access to IP Fabric. He has found this product to be awesome as it has made it easier for him to work on the project despite being outside our organization.

— Hugo Vrabel - Network Specialist

Benefits

- Single source of truth for network information
- Smoother collaboration across teams
- Ease of access to required information
- Reduced risk of miscommunication and misunderstanding



Difficult tasks made easy with innovative integrations

Now equipped with a clearer view of their network, the Tatra Banka team have turned their attention to further refining their workflows with IP Fabric integrations. First up, the NetBox plugin created by IP Fabric Solutions Architect Alex Gittings.

Learn more:

[IP Fabric's NetBox Plugin: Improving Network Management & Automation](#) ↗

Using this plugin, Martin and Hugo have been able to fill their NetBox instance automatically with 1,000 devices. With this source of truth, they can manage their assets much more efficiently without manually adding devices one-by-one. They have also used NetBox to manage assets that would otherwise be harder to maintain, including their data center cabling.

With many more exciting integrations available to enhance their network management processes, the future is looking bright for Tatra Banka as they continue to innovate their network operations.





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](#)



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