IP FABRIC

Air Navigation Services of the Czech Republic reduces IT network security troubleshooting times by **30 %** and discovers previously unknown network problems thanks to IP Fabric.

Air Navigation Services of the Czech Republic

Client profile

Industry: Aviation Industry
Company: Air Navigation Services of the Czech Republic
Employees: 900+

Challenge

Security and availability of our applications and infrastructure is one of our big concerns and challenges. We need to guarantee not only that all applications are up and running but also that our security measures are applied as designed and intended. We regularly perform end-to-end path lookups to verify the security and availability of our digital services.

In the past, mapping of end-to-end paths through complex network infrastructure required significant manual effort from both our network and security teams. With the amount of infrastructure nodes increasing, and the number of possible paths in the network growing exponentially, this has become an issue that is very hard to solve without automation.

Solution

We decided to purchase the IP Fabric platform because it helped us to solve this problem, improving our work efficiency and having clear network visibility across all the parts of our distributed network. IP Fabric actually creates a digital model of our live network including its configuration and state. It is then capable of simulating switching, routing and applying firewall security measures of the traffic paths in the created network model. We are also using it to identify any hidden misconfigurations in our network and troubleshoot causes of symptoms that were very difficult to identify before.

Benefit

With this capability we are now able to verify end-to-end path connectivity in seconds. We can recommend IP Fabric to any Air Navigation Services Provider (ANSP), airports and airlines, whose infrastructure is running critical applications. The top priorities of our business are safety and security, which depend on the health of our network infrastructure, accompanied by effectiveness.

Thanks to IP Fabric, we decreased network troubleshooting and topology modification planning times by more than 30%.