

NIMPEE

CASE STUDY

TECHNOLOGY VERIFICATIONS

**A major logistics company ensures compliance
and network uptime**

OVERVIEW

The company consists of more than 3,000 people serving business units across Europe, the Americas, and the Asia-Pacific.

As an IT service organization, they aim to increase IT efficiency, leverage a world-class infrastructure, provide transparent and defined services globally and support global expansion.

The company runs three large scale data centers around the globe, providing unified services in Computer Networking, Wireless, Security and Converged Communications.

CHALLENGE

To support increasing demand for reliable IT solutions, the company network team is implementing a number of changes to the networking environment every day so that they can try to satisfy expanding business requirements. However, while the network is growing changing every day, so is the complexity and number

of introduced misconfigurations, which makes the network more fragile. **“It was impossible for us to verify all the protocols and their state on all the pieces of networking equipment that we’re running at the moment,”** said the Principal Network Engineer of the company.

SOLUTION

The company’s IT team first heard about IP Fabric’s Network Infrastructure Management Platform - Engineering Edition (**NIMPEE**) from their WAN connectivity vendor, and they appreciated that it was not only network discovery solution, but that it can also provide them with technology verifications. Since **NIMPEE** understands the protocols running on the network and their relationships, it can highlight any discrepancies against desired intent they have with their network. The company ran an evaluation

in their environment, and IP Fabric’s **NIMPEE** solution was able to be fully deployed in under an hour. **Even though they already had custom scripts and various management platforms for checking the technology they were using, IP Fabric’s NIMPEE found over 100 problems in their network**, ranging from misconfigured VLAN trunks to failed redundancy, putting their business applications at risk.

“IP Fabric’s tool verified the function of our network infrastructure and pointed us to issues that required our attention.”

RESULTS

The network engineering and operation teams currently use IP Fabric's **NIMPEE** solution as a primary technology verification platform for their network infrastructure. NIMPEE doesn't only reduce of amount of time it takes the network engineering team to evaluate the network state or developing

custom single-purpose tools, **NIMPEE** also provides them with instant reporting on many other issues, including ones that are classified based on their impact to users, so that they can prioritize and focus on what is important first.

IP Fabric's **NIMPEE** software has had a positive impact on service delivery in several areas:

NON-COMPLIANT CONFIGURATION REDUCTION

Using out-of-the-box reports, the company was able to identify a significant amount of network issues and to implement fixes before they could cause an outage.

SINGLE POINT OF FAILURE ELIMINATION

The company was able to use built-in network diagrams and their features to quickly identify single points of failure in their data center network that would put applications served through this equipment at risk if they failed.

INCREASED CONSISTENCY AND QUALITY OF CHANGES

The team is using a built-in toolset in **NIMPEE** to verify network functions before and after making a change in their environment, which virtually eliminating the need for changes, revisits, second-day fixes, or rollbacks due to other affected services.

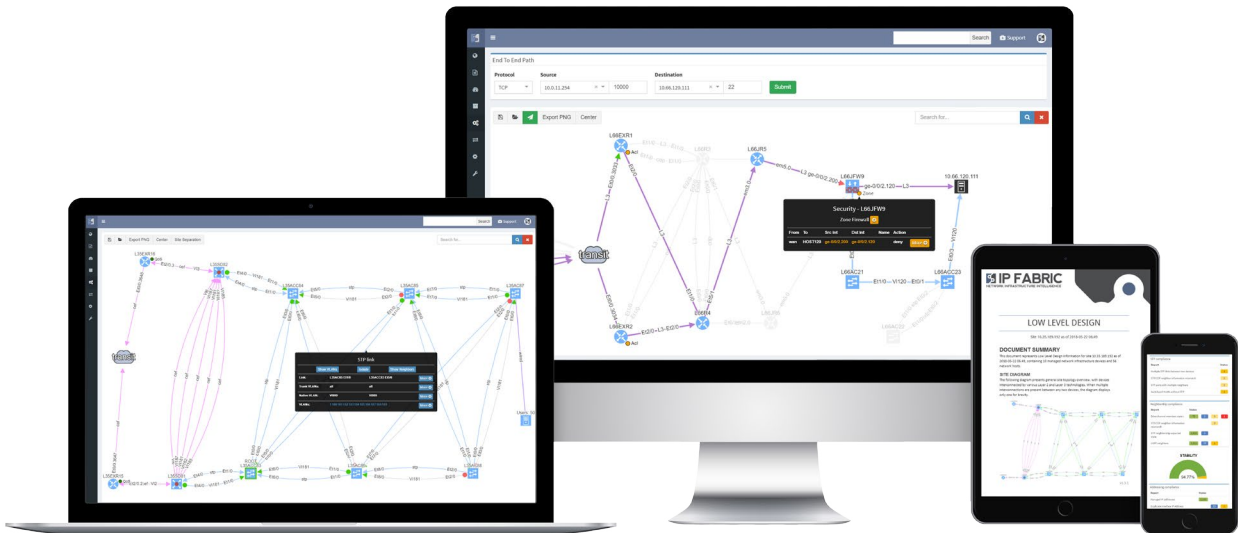
TIME SAVINGS

The company runs thousands of network devices and tens of thousands of interfaces, which means that it's almost impossible to verify all protocols running using traditional methods. IP Fabric's **NIMPEE** provides instantaneous on-demand reporting, that can be customized to fit the needs of their network.

TEAM FOCUS

The **NIMPEE** frees up time for the network engineering and operation teams and reducing the amount of time it takes to troubleshoot and verify an ever-changing network, allowing the team to work on other essential tasks associated with customer support and company growth.

IP FABRIC NIMPEE



DISCOVERY | MAPPING | VERIFICATION | HISTORY | DOCUMENTATION

ABOUT IP FABRIC

IP FABRIC was founded by industry experts to address specific engineering challenges when managing large scale networks. **IP FABRIC** makes network infrastructure intelligence more accessible for network engineers and managers so that they can tackle the challenges of digital transformation. International customers and Fortune 500 enterprises use **IP FABRIC's** platform for end-to-end visibility, documentation automation, risk analysis, technology verification, and to carry out mergers and transformation projects.

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