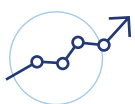# IP FABRIC
AUTOMATED NETWORK ASSURANCE PLATFORM

IP Fabric a priceless resource for the entire network infrastructure of the University of Turin

CLIENT | UNIVERSITÀ DEGLI STUDI DI TORINO

Revenue
358 million USD
per annum

Size
Over 1,500
permanent staff

Offering
69 Bachelor Degrees
9 Special Uni-levelled Degrees
79 Master Degrees

About

Founded in 1404, The university of Turin is one of the oldest universities in the world, with an alumnus that includes Luigi Einaudi, Primo Levi, and Nobel prize winner Rita Levi Montalcini. With over 81,000 students, 3,000 employees and 120 individual buildings making up its campuses, managing the complexity of their network has been a long-term challenge for the University.

Challenge

With a campus that has a geographical footprint across the whole Piedmont region, maintaining access to services has been complicated by the scale of the university, when issues arose, they required lots of time and resources to resolve.

Solution

Having a tool that can proactively manage the network and provide valuable data on network state to rapidly diagnose issues has meant that the university was able to make a fundamental shift in how they managed the network and are now able to proactively see areas that may be about to cause disruption to services, reducing the time and cost of resolving networkissues. In addition, the University can now reallocate those resources to other areas of the university.

The University recognized that they needed to rethink their infrastructure strategy to better manage the size, complexity, and multi-vendor nature of their network. During our discussions, the university highlighted some key areas that they felt the right network assurance tool would help them achieve.

Challenge

Management of device discovery processes were a challenge due to the size and complexity of their multi-vendor environment.

Multiple vendors also meant the team were working with several systems and multiple sources of information. This meant getting a clear view of the true network state was not easy.

Visual detail on devices, their relationships, and paths was also desirable as the team lacked the depth of understanding that they required.

Solution

The IP Fabric GUI allows the team at University of Turin to view their inventory across vendors rather than gather data from vendor portals.

The platform performs a snapshot daily meaning the team can access correct data on network state daily and can compare against previous snapshots.

Through the topology diagrams generated by IP Fabric the network team can see the end-to-end path for devices.

Benefits

Mean Time to Resolution (MTTR) is reduced by the end-to-end path functionality within the topology maps.

Documentation is updated automatically, and reports can be generated quickly for sharing with other teams and management.

The ability to compare the network over time provides a basis to create an infrastructure reference and spot changes.

Customer's take on IP Fabric

IP Fabric ensured we always had maximum network information accuracy and integrity from day one.

„IP Fabric is the extra resource that allows the continuous search for accuracy in our network. Like all great products, support must also be evaluated, which in IP Fabric is immediate, competent and above all fast. They created an ad hoc fix in order not to change the client's nomenclature"

Valentina Galluccio

NETWORK SOLUTIONS ARCHITECT
LEAD, UNIVERSITY OF TURIN