

# Approved Networks

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## Case Study

### Approved Networks Open Network Solution Passes the Test, Excels in Service Provider Network

#### THE CHALLENGE

A service provider based in a large Midwestern city needed a new solution for a brownfield application. Their existing equipment was operating at capacity and was rapidly approaching the end-of-life deadline. While open network solutions would fulfill their capacity requirements and deliver the additional functionality they needed, it was also necessary to prove interoperability with their existing OEM routers.

#### THE SOLUTION

Despite their concerns, this service provider ordered a complete turnkey open network solution from Approved Networks under a buy-and-try program. The Approved solution featured 10G Open Network Switches with 100G uplinks, powered by a network operating system from IP Infusion. In addition to sufficient capacity, this solution provided the full OSPF, BFD, and MPLS support that the service provider required.

#### RESULTS

In order to fully understand their new solution, the service provider performed extensive testing in their lab to ensure interoperability. After three full months, the solution was moved to the production network for further load testing.

Approved's solution was fully up to the task, delivering **error-free service and seamless compatibility** in both lab and live environments. As a result, the service provider has added **1.6 TB/s of total switching capacity** to their network. Furthermore, this solution is easily replicable, so the service provider will be able to replace future EOL equipment with confidence as the need arises.

- **1.6TB/s Total switching capacity added to network**
- **90 Days of comprehensive lab testing for interoperability and performance**
- **100% Performance success rate in live production network**