



SDN-READY NETWORK FUELS STREAM'S RAPID GROWTH

Summary

Company:

Stream Networks

Industry:

Service provider

Business Challenges:

Build a core network to support the next wave of growth from cloud, IoT, and mobile.

Technology Solution:

- MX104 and MX80 Universal Routing Platforms
- EX4600 Ethernet Switch

Business Results:

- Built a cloud-scale network to meet fast-growing demand for cloud and IoT services
- Prepared for the shift to 10GbE circuits
- Laid the foundation to offer flexible SD-WAN services

Matt Shanahan launched Stream Networks from a shed in his garden with a drive and ambition to succeed as his own boss. Over the next 12 years, Stream grew rapidly thanks to its focus on state-of-the-art technology and exceptional customer care. Today, the privately held company delivers a wide variety of network, cloud, cybersecurity, telephony, and IoT services over its fiber network.

Digital transformation has impacted businesses of all sizes and types. Organizations across finance, legal, non-profit, education, and the public sectors rely on Stream's network, cloud, cybersecurity, and telephony services. Stream's ultra-fast growth meant that their network grew fast, too. "We were taking on more customers and offering more cloud services, and it was a good time to review how we were building our core network," says Shanahan.

Stream chose Juniper Networks to power the next phase of its growth, fueled by the demand for mobile, cloud, and IoT services. With Juniper, Stream can extend its services to a broader market and offer higher bandwidth circuits.

A Network Built for Growth

Stream operates a fully meshed MPLS and virtual private LAN service (VPLS) environment across four data centers throughout the UK. The core network is built using the Juniper Networks® MX104 and MX80 Universal Routing Platforms and Juniper Networks EX4600 Ethernet Switch.

The SDN-ready MX104 router is a modular, highly redundant, full-featured platform ideal for space-constrained facilities, while the compact MX80 router enables pay-as-you-grow scale. The EX4600 Ethernet Switch is used for Stream's top-of-rack environment.

"Juniper delivers value for the money," Shanahan says. Performance, cloud-grade reliability, and port density were key in product selection. "With the Juniper MX104 and MX80 routers, we have an easy upgrade path as we add more 10 gigabit-per-second capacity." The ability to scale gracefully is key, as Stream sees strong demand for 10GbE circuits as businesses consume more bandwidth.

"A Juniper network gives us more room to expand our network and support customer growth."

- Matt Shanahan, founder and CEO, Stream Networks

Juniper Networks Junos® operating system, which runs across all Juniper routing, switching, and security platforms, simplifies network operations and increases reliability. "Our previous router platform had no rollback feature, which significantly increased the in-house testing and validation checks," says Shanahan. "A Juniper network is more operationally efficient."

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Simple, Flexible Connectivity

The new network is the foundation for Stream's SD-WAN services, enabling customers to scale their connectivity simply, quickly, and seamlessly. "We're seeing a big demand for software-defined networking," says Shanahan. "An advantage is that the MX Series routers are SDN-ready, and Juniper Contrail will allow us to control the network from end-to-end."

The new network will also well position Stream to capture upcoming opportunities to replace fixed-line broadband and Ethernet with fast, reliable 5G services. "We're rolling out interconnects to a number of mobile providers," Shanahan says. A Juniper network will simplify building those private connections for maximum customer flexibility.

"A Juniper network gives us more room to expand our network and support customer growth," Shanahan says.

For More Information

To find out more about Juniper Networks products and solutions, please visit www.juniper.net.

About Juniper Networks

Juniper Networks brings simplicity to networking with products, solutions and services that connect the world. Through engineering innovation, we remove the constraints and complexities of networking in the cloud era to solve the toughest challenges our customers and partners face daily. At Juniper Networks, we believe that the network is a resource for sharing knowledge and human advancement that changes the world. We are committed to imagining groundbreaking ways to deliver automated, scalable and secure networks to move at the speed of business.

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