



CARGOWISE ONE RUNS FASTER ON ARYAKA

JAS Forwarding Worldwide Achieves Faster Global Connectivity to SaaS-Based Logistics Management Solution CargoWise One over Aryaka

The Problem

JAS Forwarding Worldwide wanted to streamline their logistics management processes using CargoWise One, deployed in over 240 of its offices worldwide. As CargoWise One is a Software-as-a-Service (SaaS)-based application, JAS Forwarding Worldwide was concerned that the application would run into performance problems over long distances.

Degradation in the performance of this new mission-critical application was completely unacceptable. Application delays and failures would directly impact employee productivity and business execution. However, when the company initially deployed CargoWise One over the public Internet, it resulted in poor application performance and frustrated end users.

JAS Forwarding Worldwide went in search of an alternative solution. The company looked at MPLS but concluded it was very expensive and would take too long to deploy. The latter was particularly problematic considering the large number of offices the company maintains. In addition, with rapid expansion planned for the future, JAS Forwarding Worldwide needed the flexibility to quickly add network connectivity to new offices.

COMPANY PROFILE

Industry: Freight Forwarding and Logistics

Headquarters: Atlanta, Georgia

Operations: 80 Countries in 6 Continents

Employees: 3,700

CHALLENGES

- Issues in managing disparate information management systems scattered around the globe
- Need to provide high-speed, reliable, consistent application performance for SaaS-based CargoWise One logistics management solution

SOLUTION

SMART CONNECT
WAN Optimization as-a-Service

RESULTS

- Fast, reliable, consistent performance for SaaS-based CargoWise One solution for all users and all offices
- Up to 300% faster TCP connections
- Up to 95% compression rates
- Up to 56% lower TCO compared to MPLS and WAN Optimization appliances
- Able to connect new offices in days versus months

The Solution

To solve global connectivity and application performance issues, JAS Forwarding Worldwide deployed Aryaka's SMART CONNECT WAN Optimization as-a-Service solution. SMART CONNECT WAN Optimization as-a-Service combines:

- **Global Private L2 Network:** Bypasses the congested public Internet through a global private network (using an SDN/NFV framework) that delivers consistent latencies and negligible packet loss to provide predictable application performance to users.
- **WAN Optimization:** Delivers faster performance for all applications along with bandwidth savings.
- **Cloud/SaaS Acceleration:** Integrates cloud- and SaaS-based applications, including multi-cloud access, into Aryaka's global network, using IPsec VPN on the last mile. Application acceleration proxies deliver up to 40x faster performance globally for cloud/SaaS applications.
- **SD-WAN Functionality:** Enables dynamic path selection, load balancing, and converged WAN-edge functionality at branch offices with cloud access and VPN connectivity, routing and optimization in a single customer premises equipment (CPE).
- **Fully Managed Service:** Includes 24x7 CCIE-level customer support.

Compared to the public Internet or IP-VPN, Aryaka's SMART CONNECT WAN Optimization as-a-Service offers:

- Up to 40x faster application performance for global cloud/SaaS applications like Office 365, SAP, Business ByDesign, CargoWise One, Azure, AWS, Salesforce, and others, even in remote locations such as China.
- Stable, consistent and reliable latency globally.
- Negligible packet loss.
- Real-time network and application visibility.



We were quite concerned about the investment needed to build this type of high-speed network. In addition to improving application performance, we wanted a fully managed service. This is what we got with Aryaka. Now we have a reliable network with global management built into it and a support staff on demand. A simple, cost-effective solution with no maintenance or capital expenditure, Aryaka was the perfect answer to the challenges we faced.

Mark Baker, CIO of JAS Forwarding Worldwide

The Results

- With Aryaka's SMART CONNECT WAN Optimization as-a-Service, JAS Forwarding Worldwide transformed the CargoWise One solution into a pivotal business enabler. Employees can now collaborate and exchange information in real time, something that was not possible with the prior connectivity configuration.
- Total cost of ownership (TCO) was lower by 56% compared to other legacy solutions that JAS Forwarding Worldwide considered, such as MPLS + WAN Optimization.
- TCP connections were 300 percent faster, and compression rates extended up to 95%.
- JAS Forwarding Worldwide was able to roll out the deployment in a few days versus the months it would have taken with MPLS.

About Aryaka Networks

Aryaka's global SD-WAN provides optimized, software-defined network connectivity and application acceleration to globally distributed enterprises. Aryaka's services have over 10 million users across 4,000+ sites. Leading brands such as Skullcandy, Air China, Freescale Semiconductor, and ThoughtWorks, as well as partners such as Microsoft Azure, Amazon Web Services, Intelisys, and SK Broadband, have all chosen Aryaka for their enterprise-grade networking needs.

