PORT OF TALLINN

CASE STUDY: PORT OF TALLINN

Port of Tallinn Fortifies Network Operations with Fabric

Challenges

- Eliminate interruption and downtime to ensure operational efficiency for critical seaport
- Increase bandwidth to support growing number of connected devices and new technologies
- Scalable solution that can grow in tandem with port's expansion plans

Extreme Solutions

- Extreme Fabric Connect
- ExtremeCloud™ IQ
- ExtremeControl™
- ExtremeAnalytics™
- ExtremeSwitching™

"In cooperation with OIXIO, we chose to implement Extreme Fabric Connect enabled switches for the new core network. Solutions that support open standards are always a preferred option for us. We were confident that we could trust this Extreme Networks solution and build a core network based around it. For us, it is the best choice on the Estonian market."

Reimo Salumets, IT Infrastructure Architect, Port of Tallinn

"Back in 2011, I needed to build a new core network and the decision was made to switch to Extreme Networks products. Though the life cycle of IT equipment usually spans no longer than five years, the network switches I bought in 2011 still haven't been turned off."

Reimo Salumets, IT Infrastructure Architect, Port of Tallinn

The Port of Tallinn is one of the fastest-growing seaports in Europe and the largest in Estonia. The port has evolved from a traditional operator to a modern and multifaceted development and services enterprises, becoming a hub for cruise lines, ferries, cargo transport, and more.

The seaport's continued growth required support for an ever-increasing demand for its services, significantly increasing the volume of transferred information over its network. The addition of video streaming services, security camera systems, and other digital innovations put greater pressure on the network's bandwidth. Realizing the need to enhance the performance of the network core and infrastructure, the Port of Tallinn required a solution that would increase capacity, eliminate downtime, and extend across the premises.

In partnership with Extreme Networks and OIXIO, the Port of Tallinn implemented Extreme Fabric Connect alongside cloud-managed Wi-Fi to improve network availability and eliminate network downtime. With shortest path bridging and high-level automation technology, management and expansion resources have been significantly reduced while security through segmentation has been fortified. Now the seaport can continue to invest in cutting-edge technologies and expand its business and standing as one of the most essential ports of Estonia.

"Compared to the previous technologies that we used, the new solution makes our lives much, much easier. The Extreme Networks Fabric solution has an extremely high level of automation, which significantly reduces the administrative resources required to manage and expand the network."

Reimo Salumets, IT Infrastructure Architect, Port of Tallinn

Results

Network Automation

- Introduced new levels of automation, reducing administrative resources needed to manage and expand network
- Less time spent on actively managing the network means IT team can focus on innovation and introducing new technologies

Increased Operation Speeds

- Throughput of new core network has increased tenfold
- Improved bandwidth capacity for increased numbers of end users and devices

Fortified Security

- 360-degree view of connected devices and users
- Hyper-segmentation technology of fabric enables role-based access and automatic quarantine of suspicious activity

Extreme networks