Maintaining modernization within a leading digital government

Implementing Dell Enterprise SONiC helped the Estonian IT Centre (RIT) to build a scalable, reliable foundation for its public e-services in the form of a new Government Cloud.

Business needs

RIT handles the IT needs for all aspects of the Estonian government. As part of an overall modernization of its infrastructure, RIT needed to enhance network efficiency, reduce costs and increase scalability to ensure a seamless user experience.

Solutions at a glance

- Enterprise SONiC Distribution by Dell Technologies
- Dell PowerSwitch

Business results

- **Reduces** operational expenses by 50% thanks to greater automation.

- **Automates** daily operations, freeing up time for IT staff to innovate.

- **Accelerates** workloads with modernized, high-performance fabrics.

- **Maximizes** network performance and efficiency.

- **Delivers** seamless scalability.

- **Ensures** the reliability and security of information systems.

$ Greater automation reduces operational costs by 50%.

Empowering progress on a national scale

Estonia has been named one of the most digitally advanced countries in the world, with 99% of its public services available online. Estonians rely on digital access to those services to view healthcare records, file taxes, vote, and more. Implementing a flexible Government Cloud solution is critical to continue the provision of reliable e-services to citizens and e-residents. The Estonian IT Centre (RIT) is a government-owned IT company that is responsible for consolidating and managing the provision of ICT services for both the public and internal governmental departments.

Providing a seamless and optimized user experience is a key area of focus for RIT. To do that effectively, the company chose Enterprise SONiC Distribution by Dell Technologies to simplify network management and increase scalability. Dell's Enterprise SONiC distribution is enterprise-class, tested and validated across Dell PowerSwitch and select third-party switches and includes a centralized management platform. It empowers RIT to modernize its networks, easily address emerging IT scenarios, and overcome evolving business challenges with high-performance fabrics.

Opting for open-source flexibility

Dell's Enterprise SONiC distribution supports a broad portfolio of data center and edge switching options with Dell PowerSwitch. Implementing Dell Enterprise SONiC, RIT embraces the opportunities offered by cloud technology to renew existing information systems and build a new Government Cloud from scratch. The open-source design allows RIT to tailor its networks to its specific needs, while Dell Enterprise SONiC's ability

to integrate with different vendors provides added flexibility and improved reliability across data centers.

Implementing Dell PowerSwitch models Z9432F-ON, S5248F-ON and S5232F-ON that comprise Dell Technologies' latest disaggregated hardware and software data center networking solutions, provides a broad range of functionality to meet the growing demands of today's data center environment. The N3248TE-ON model offers a power-efficient and resilient 1GbE switching solution with high-performance capabilities, utilizing a non-blocking architecture to easily handle unexpected traffic loads.

RIT utilizes Dell Technologies not only for its broad portfolio of high-performance and resilient data center and edge switching options with Dell PowerSwitch but also for its global support targeted for demanding cloud, data center and edge fabrics. Dell's around-the-clock availability during the development phase was crucial. RIT was able to easily contact developers who know Dell Enterprise SONiC inside out to resolve any queries and issues as they occurred.

Greater automation for greater efficiency

Configuration changes can now be made across devices automatically, meaning updates are carried out quickly and seamlessly. The automation of daily operations minimizes maintenance and operational costs and frees up time to focus on expansion and innovation. Enhancing overall efficiency and productivity means that RIT's team can put more effort into improving code, preparing for upcoming integrations and scaling operations.

> " **Dell Enterprise SONiC has enabled us to automate more systems, freeing up our team's time to expand and prepare for the future."**
>
> **Riho Mikko,**
> Head of Networking Division, RIT

> " Implementing Dell Enterprise SONiC we created a new government cloud and built all platforms from scratch. It's at the heart of all our services; we now have an efficient single point of management fabric that streamlines operations."

Riho Mikko,
Head of Networking Division, RIT

Seamless scalability and security

Dell Enterprise SONiC's cloud-native design supports RIT's ever-growing infrastructure needs and rapidly scales its networks to integrate new services and technologies as they evolve, without service interruptions. Its container-based architecture supports mission-critical applications, enabling rapid innovation and adaptability and ensuring the security of information systems. Supported by Dell Enterprise SONiC, RIT has a secure and flexible digital ecosystem to stay at the forefront of innovation and grow efficiently as public needs evolve.

Pioneering innovation

With the help of Dell's Enterprise SONiC distribution, RIT has built a bespoke, future-proof Government Cloud solution that can adapt quickly to changes in technology and business needs as Estonia continues to flourish as a digital society. Trusting in Dell's credentials as a trusted leader in open-source networking, RIT now has a reliable foundation to innovate and focus on strategic initiatives to benefit the Estonian population.

> " Whenever we need assistance, we can reach out to the developers who helped create Dell Enterprise SONiC, which goes far beyond the standard levels of support. It's a very unique experience."

Riho Mikko,
Head of Networking Division, RIT

Learn More about Dell Technologies Enterprise SONiC Distribution.

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