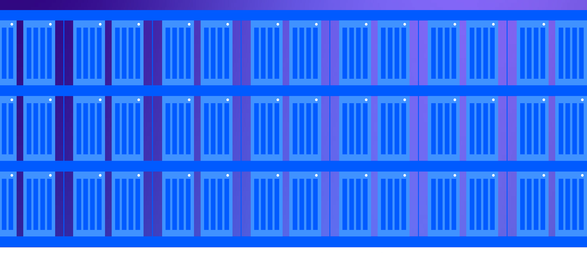
NOKIA

Human Error Zero

Modern cloud organizations needs data centers that just work. Networking is a key part of enabling this and driving business continuity for their clients. To compete and succeed, they need to focus on reliability which is an outcome based upon three key pillars: the right data center network architectures, product quality, and the operational environment.



Human Error Zero recipe

Reliable architecture

Ingredient	Why choose Nokia?	Proof points
Architecture	We bring proven hardware design expertise to the data center switching space with superior platforms featuring exceptional resiliency and efficiency. **SR Linux** network operating system (NOS) uses proven IP/Ethernet protocol stacks from our SR OS to ensure interoperability and accelerate feature development.	• Our superior hardware design helped us win business with a leading hyperscaler. • Flexible NOS and hardware that integrates into new and existing infrastructure. • IP routing stack **deployed in more than 1.9 million routers across 2,900+ mission-critical networks.** • **#1 in IP edge routing globally** and in EMEA and North America according to Dell'Oro (Q3 2024).
	More than **1.9** million routers across 2,900+ mission-critical networks	**#1** in IP edge routing globally
Routing protocols	We deliver proven IP and EVPN fabrics while leading standards development for EVPN capabilities.	

SR Linux uses the industry's leading EVPN implementation, which incorporates:

10+ years of EVPN feature development

30+ EVPN IETF standards (co-)authored by Nokia

The market's most complete EVPN feature set

Reliable quality

Ingredient	Why choose Nokia?	Proof points
Culture	Decades of delivering our routing solutions to the most demanding and largest companies in the world. Our engineers ensure quality through automation and consistent testing.	• **Industry-leading 1:1 developer-to-test ratio** (vs industry benchmark of 2.5:1) • IP networks **customer positivity rating 95%** • IP sales and marketing **customer positivity rating 97.9%**

IP Networks... **95%** **customer positivity rating**

IP sales and marketing **97.9%** **customer positivity rating**

Innovation	SR Linux NOS unites our decades of routing experience with modern software tooling and techniques.	• Cloud-native design ensures superior programmability, unrivaled flexibility and resilient IP routing. • Unmodified UNIX kernel for modular applications with isolated failure domains. • Modular model-driven management design delivers complete openness. • State sharing with a pub/sub architecture provides reliable, scalable and secure communication channels. • IP stacks from SR OS support a feature-rich, secure NOS. • Microservices-based design enables hitless per-application upgrades and resilient networking.
Perseverance	We maintain a quality-first approach even when obstacles, distractions or next-big-thing opportunities arise.	Our quality-first approach extends consistently from SR IS to SR Linux across all use cases.

Reliable operations

Ingredient	Why choose Nokia?	Proof points
Operations	**Nokia Event Driven Automation (EDA)**: Modern platform for reliable data center automation with pre-checks, post-checks, Git versioning, atomic updates and digital twin. EDA simplifies operations with intent-based automation, an intuitive UI, and flexible deployment options. It supports multi-vendor environments and integrates with IT and cloud management systems. EDA complements and extends our SR Linux NOS, providing exceptional network operation insights.	Bell Labs research shows operators using SR Linux and EDA can realize: • **Up to 43% effort savings** by using SR Linux alone for specific operations tasks • **Up to 60% effort savings** by using SR Linux with EDA for specific operations tasks • **Up to 40% cumulative effort savings** over four years for all operational tasks

Learn more

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