

# Nokia EDA SaaS

Nokia EDA SaaS is an Event-Driven Automation (EDA) platform delivered as a service, hosted on leading public cloud providers and fully managed by Nokia. It is purpose-built for enterprises and managed service providers seeking seamless data center networking automation as a service.

## Overview

The Nokia EDA platform is a key component of the Nokia Data Center Fabric solution, which also includes the Nokia Service Router Linux (SR Linux) network operating system and the Nokia data center switches and routers.

Nokia EDA SaaS is a fully managed, cloud-hosted EDA automation platform designed to streamline data center network operations. Delivered on leading public cloud providers, it eliminates the need for on-premises infrastructure and technical complexity, allowing businesses to focus on scalability, efficiency and reliability. With support for both a dedicated or shared hosting platform model, customers can select the nearest POP to deploy their EDA SaaS platform, ensuring optimal performance for their network automation services.

### Why EDA SaaS?

- Fully managed and hosted: Nokia handles deployment, monitoring, upgrades and support.
- No infrastructure required: Eliminates the need for additional hardware or IT expertise.
- Seamless automation: Designed for effortless data center networking operations.
- 24/7 expert support: Proactive monitoring and direct vendor assistance.
- Simple licensing model: Base platform license and an add-on switch license.

### How it works

- Fast onboarding: Once you place an order, onboarding begins automatically, and your IT administrator receives access credentials.
- Proactive management: Our dedicated Network Operations Center (NOC) ensures round-the-clock monitoring and rapid issue resolution.
- Continuous optimization: With automated upgrades and pre-upgrade regression testing, your network management platform stays optimized and secure.

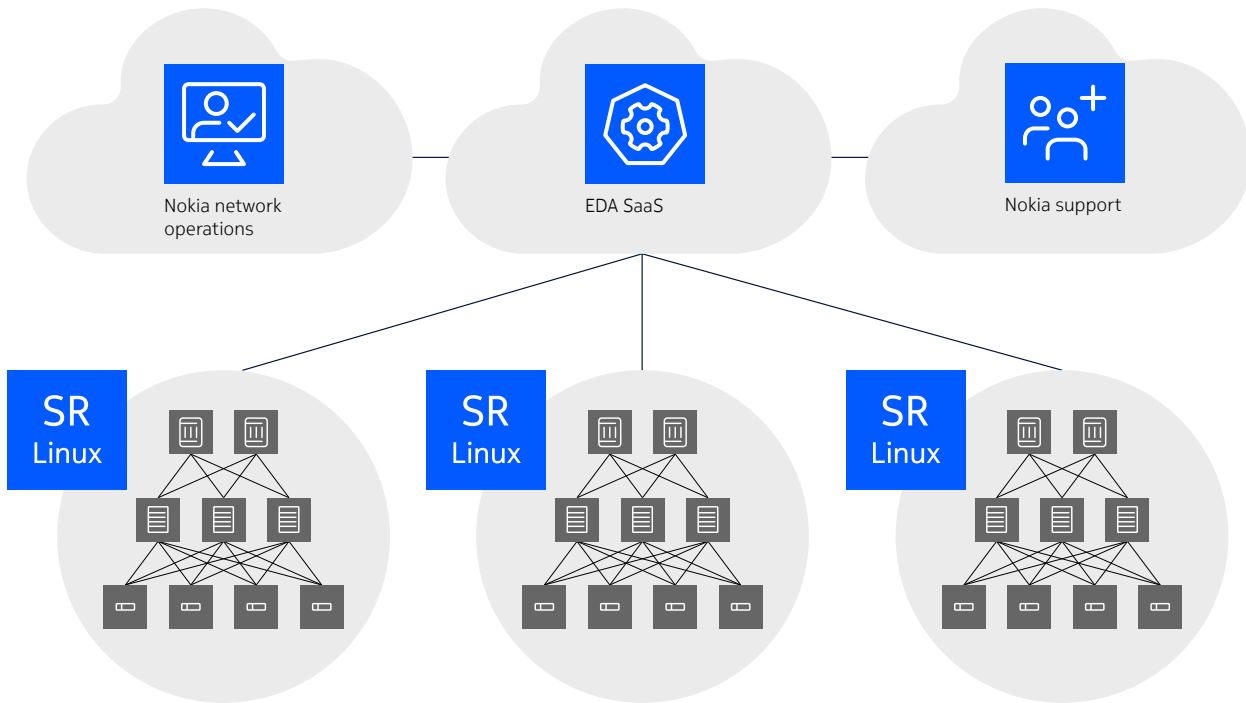
### Flexible delivery models

- Flexible platform deployment includes dedicated EDA cluster per customer, dedicated managed service provider (MSP) cluster or shared EDA cluster.

### Service enablement

- Day 0—Seamless start: EDA SaaS team provides high-level and low-level design blueprint templates to help design solution.
- Day 1—Guided onboarding: Assists with initial deployments through a hands-on, step-by-step approach.
- Day 2—Effortless management: Offers pre-built configuration templates, simplifying customer configuration and ongoing management.

Figure 1. EDA SaaS service overview



## Key benefits

### Cloud-hosted and fully managed

Nokia EDA SaaS is fully hosted and managed by Nokia, offering customers a ready-to-use data center automation platform. This solution allows customers to avoid the complexities of hosting, installation and management of the EDA infrastructure, so they can focus on automating their cloud workloads and data center operations.

### Dedicated network operations

The EDA SaaS team takes care of the infrastructure automation platform, including round-the-clock monitoring of the EDA platform. This approach significantly reduces operational workload and expenses for businesses.

### Platform management

Nokia offers comprehensive end-to-end management of the EDA platform covering:

- Instant service: Nokia covers all installation, software upgrades and monitoring of the platform.

- Infrastructure management: Nokia oversees the EDA infrastructure, ensuring security, scalability and resilience of the automation platform.

### Comprehensive support

- Platform support: Ongoing technical support and maintenance keep the platform up to date and fully operational.
- Level 1 support for EDA, SR Linux and Nokia 7220 IXR switches is escalated through the Nokia Global Welcome Center support line.

### Operational overhead reduction

With Nokia providing the hosting, management and maintenance of the EDA platform, businesses can eliminate the need for in-house automation platform management resources.

### Platform monitoring

Continuous 24/7 monitoring ensures real-time detection and resolution of potential network automation platform issues, maximizing uptime and service reliability.

## Service scope

Upon onboarding, customers receive an EDA cluster, enabling seamless connectivity and automation of their on-premises data center switches. Nokia fully manages and monitors the EDA hosting infrastructure, ensuring scalability, resilience and continuous service availability. With EDA offered as a fully managed service, customers can leverage automation without operational burdens, while Nokia handles advanced monitoring, cluster upgrades and pre-upgrade regression testing for a smooth and reliable experience.

EDA SaaS utilizes IPsec to establish a secure connection between on-premises data centers and the EDA SaaS platform. The IPsec tunnel setup is fully automated, enabling customers to configure IPsec in just a few easy steps. With support for a broad range of IPsec clients, EDA SaaS ensures seamless compatibility with leading IPsec gateways in the market.

Once a secure connection is established between EDA SaaS and the on-premises data center, all communications between the SR Linux switch and EDA, including switch bootstrapping and gRPC/gNMI messaging, are transmitted through encrypted IPsec tunnels. This guarantees secure and reliable data exchange over protected tunnels.

## Subscription plan

EDA SaaS features a simple licensing model with two essential license types: a platform right to use (RTU) and an add-on switch RTU. The platform RTU serves as the base license of any deployment, providing access to an EDA cluster and supporting up to 20 switches. Deployments with 20 or fewer switches do not require additional switch RTUs. For larger deployments, customers can scale seamlessly by purchasing additional switch RTUs based on their total switch requirements.

## Support model

Upon receiving a purchase order for the EDA SaaS service, Nokia automatically initiates the onboarding process. The customer promptly receives an activation email from the Nokia EDA SaaS team containing system administrator access credentials to create their account and password. Once logged into the EDA SaaS portal, the customer's IT administrator can configure additional access levels for their operational teams, ensuring a seamless and efficient service launch.

To connect the EDA SaaS platform to on-premises data center switches, customers can establish IPsec tunnels between the platform and their on-premises IPsec gateways, such as firewalls or WAN routers with IPsec support. The EDA SaaS portal streamlines network management by offering real-time visibility into IPsec tunnel performance, enabling customers to monitor traffic status and ensure secure, reliable connectivity.

The EDA SaaS portal provides a complete set of tools for configuring Nokia SR Linux-based fabric, overlay and underlay services. Customers benefit from full network visibility through advanced telemetry via gRPC and gNMI interfaces, enabling robust monitoring, seamless automation and optimized network performance.

The EDA SaaS team offers comprehensive support for the hosted EDA service, allowing customers to submit tickets for any platform-related issues. Expert support specialists are available to promptly address and resolve concerns, ensuring a seamless customer experience. Gold-level support is included, providing robust assistance and adhering to the SLA commitments.



## About Nokia

At Nokia, we create technology that helps the world act together.

As a B2B technology innovation leader, we are pioneering networks that sense, think and act by leveraging our work across mobile, fixed and cloud networks. In addition, we create value with intellectual property and long-term research, led by the award-winning Nokia Bell Labs.

With truly open architectures that seamlessly integrate into any ecosystem, our high-performance networks create new opportunities for monetization and scale. Service providers, enterprises and partners worldwide trust Nokia to deliver secure, reliable and sustainable networks today – and work with us to create the digital services and applications of the future.

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