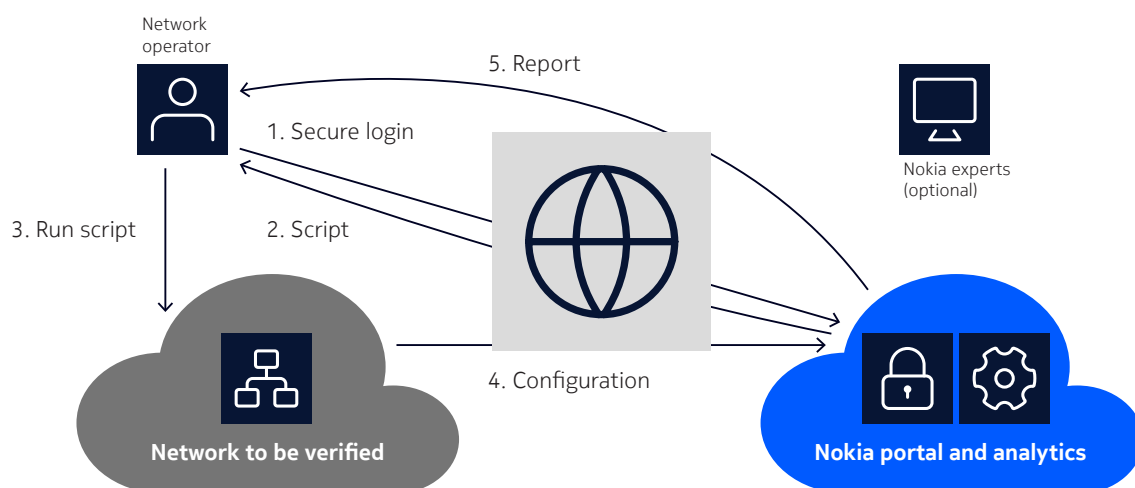


## Customer Network Verification

Release 25.7

Networks are the backbone of the digital economy. To grow your top line, reduce operating cost and adapt to dynamic changes in your industry, you need the ability to rapidly verify your network's status and readiness to evolve. The Nokia Customer Network Verification (CNV) service addresses this need by making network analytics available to you on demand. With the CNV service, you can quickly identify network performance issues, capacity utilization, bottlenecks and scalability opportunities and get the information you need to build a technical strategy that aligns with your business targets.



### Features

- Automated analysis without human intervention
- Pre-designed templates that enable rapid analysis with Nokia best practices and expertise
- Analysis that is easily consumable anywhere and anytime, without any dependencies
- Regular updates to scripts and reports to ensure consistent premium analysis
- Automated upload, zero-touch report generation
- Subscription model

### Benefits

- Near-instantaneous results, full customer independence
- Faster ROI compared to do-it-yourself (DIY) model
- Flexibility in usage and rapid time to market for corrective action
- Instant access to the latest releases and enhancements, leading to increased productivity
- Unlimited usage, fixed costs and good financial visibility

## Technical specifications

### Subscription model

- Subscription model providing unlimited usage and access to latest releases and enhancements
- Pay-per-use model using credits and including access to latest releases and enhancements

### Supported hardware and software

#### Supported IP routing equipment:

- 7950 Extensible Routing System (XRS) family
- 7750 Service Router (SR) family
- 7705 Service Aggregation Router (SAR) family
- 7450 Ethernet Service Switch (ESS) family
- 7210 Service Access Switch (SAS) family
- 7250 Interconnect Router (IXR) family
- Virtualized Service Router (VSR)

#### Supported IP network management operations:

- Unified classic/mixed/model-driven node support

#### Supported optical equipment for optical health check:

- 1830 Photonic Service Switch (PSS): PSS-4, PSS-8, PSS-16, PSS-32

#### Supported optical equipment for optical capacity check:

- WaveSuite - Network Operations Center (WS-NOC) - 21.x, 22.x, 23.x, 24.x required
- 1830 PSS-4/8/8x/12x/16/16II/24x/32/36/64 (R11.x or higher)
- 1830 Photonic Service Interconnect - Modular (PSI-M) (R3.x or higher), Optical Network Extender (ONE) (R2.x or higher), and Photonic Service Demarcation (PSD) (R1.x or higher)

### Security

- AES-256 encryption at minimum for uploaded data and generated reports
- Encryption of inter-process communication as part of CNV business logic
- Two-factor authentication via email, TLS 1.3 support, customer data obfuscation
- Highly secure data centers with protection against unauthorized access, biometric scanning and a CISSP-certified security team
- Role-based access control, user-controlled data collection

### Reporting capabilities

- IP health check for inventory, end-of-life analysis, environmental variables, network health and statistics, system configuration and accounting logs analysis
- IP Inventory check focusing only on network inventory and end-of-life analysis
- IP capacity check for link utilization, LAG unbalanced, drop monitoring and traffic trending
- IP scalability check for warnings on node scaling limitations
- IP security check for Nokia SROS security best practices verification
- Optical health check for inventory, end-of-life analysis, system uptime, system configuration and alarm summary
- Optical capacity check including network capacity utilization, reserved capacity for protection, client port connectivity, lambda utilization, channel bundle utilization and average node count per client service
- Comparison reports for detailed view of the differences between two reports
- Trending reports to follow performance evolution over time
- Automated upload of audit files and automatic report generation based on user-defined intervals
- Report regeneration to update existing reports with latest enhancements



## 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.

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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