



NSP

Network Services Platform

Release 26.4

Release Description

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About this document

Purpose

This document is intended to assist network planners and administrators by providing high-level feature descriptions for NSP Release 26, along with the schedule for delivery.

Scope

The NSP Release Description lists and describes all significant features introduced in NSP Release 26, including classic IP management. The features available in your deployment depend on the feature packages you purchased. For information about feature packages and the product functionality they license you to use, see the *NSP System Architecture Guide*.

Document organization

The document is organized on a cumulative basis by release. Descriptions reflect the release in which the feature was introduced. If an enhancement is delivered in a subsequent release, the enhancement appears as a separate entry.

Feature descriptions are sorted in alphabetical order by product area, and then by feature key.

For more detailed information and procedures related to the features described in this Release Description document, refer to the customer documentation suite delivered with the NSP product.

Document support

Customer documentation and product support URLs:

- [Documentation Center](#)
- [Technical support](#)

How to comment

Please send your feedback to [Documentation Feedback](#).

1 Introduction

1.1 Release information

1.1.1 Target schedule

Three releases with new content are planned in Release 26, as summarized below:

- Release 26.4 — April 2026
- Release 26.8 — August 2026
- Release 26.11 — November 2026

Service packs in support of these releases will be delivered as required.

1.2 Ordering information

1.2.1 Sales engineering information

Table 1-1 NSP resources

Resource
Software download from the Nokia Support portal (registered customers only)
License keys (please contact your account representative for assistance)

1.2.2 Pricing information

To obtain NSP pricing information or assistance with ordering, please contact your regional sales representative.

1.2.3 Sizing

Contact your account representative to make a sizing request.

1.2.4 Support for Beta keys

Beta keys are controlled by NSP Product Management. To apply for the NSP Beta Program, contact your account representative.

1.3 Additional information

1.3.1 Network element support

Please see the *NSP NFM-P Network Element Compatibility Guide* for complete network element compatibility information. This compatibility reference guide is updated frequently to incorporate new network element release information and compatibility with NFM-P. Always consult the latest version on the Doc Center.

For information about adaptors, see “Where can I find more information about adaptors?”

Device artifact bundles and documentation are available from the [Nokia NSP software download site](#).

1.3.2 Deprecations and support discontinuation notices

Feature deprecation and discontinuation notices are listed in the *NSP Release Notice*.

1.3.3 Scale and architecture

The scalability and performance targets for NSP Release 26 are described in the *NSP Planning Guide*.

1.3.4 Supported operating systems

Please refer to the *NSP Planning Guide* for detailed information about supported operating systems and requirements.

1.3.5 Adaptors and artifacts

Adaptors and other artifacts can be delivered off-cycle and are accompanied by their own documentation.

NSP framework features that support these artifacts are delivered with NSP releases and may be described in this document.

2 NSP feature descriptions

2.1 Telemetry, OAM, Mediation features

2.1.1 [NSPF-472989] CN Telemetry - Phase IV enhancements

Release introduced: 26.4

Previously, the collection of accounting files from model-driven NEs was only possible with the SFTP protocol. As of this release, support includes the FTP protocol.

As of this release, accounting records can be collected for thresholding and baselining use cases with NSP Indicators and Baseline Analytics.

2.2 Platform features

2.2.1 [NSPF-463985] New NSP Navigation: Main Menu customization

Release introduced: 26.4

This new NSP GUI menu customization capability allows customers and users to modify the order and labels shown in the main NSP GUI menu.

2.2.2 [NSPF-472384] NSP Support for Subscription Licensing Phase 2: Add NSP client banners to notify about subscription term expiration

Release introduced: 26.4

This feature adds the capability to notify the NSP user in advance of the NSP Subscription license expiration, using a color-coded banner and text that appear at the top of each window open in the NSP web UI. The color and text change at 180, 80, 7, and 0 days remaining, and when the NSP subscription license is more than 30 days past due. The banner cannot be removed when the NSP license has 7 or fewer days remaining, or after the license has expired.

2.2.3 [NSPF-512441] User Access Control - Enforce scope of command - Phase 3

Release introduced: 26.4

Customers upgrading to Release 26.4 will find a new auto-created role for "NSP notification service", and this role will be assigned to all user groups. (If the upgraded system has only one user group and its name is "admin", no auto-created role for "NSP notification service" is generated.) This ensures continuity of user access to NBI notifications after the upgrade. The NSP system administrator should review the required user access levels for NBI notifications and update roles and user groups as needed. Refer to the NSP System Administrator Guide for procedures on updating user access controls.

2.2.4 [NSPF-535821] Simplify PCE Feature Packages and Multi-layer Feature Packages: will be calculated based on License Points

Release introduced: 26.4

Starting with Release 26.4, the PCE feature packages (Control & Visualization, Control & Optimization, Enhanced Optimization, Simulation) will transition their value calculation to license points, in line with all the other NSP feature packages.

This will simplify the way the NSP value is determined, presented, and understood by customers.

2.2.5 [NSPF-535830] Simplify Developer Feature Package - and display in NSP CLM, with all other FPs

Release introduced: 26.4

Starting with Release 26.4, the NSP Developer feature package amalgamates all the previous feature packages from the Programmability Suite: the Intent-Based Networking Framework, the Workflow Automation Engine, and the SDK feature packages.

Existing customers of the Programmability Suite feature packages, in any combination, will be transitioned to the NSP Developer feature package when they upgrade to Release 26.4 or later. New customers can select the NSP Developer feature package with Release 26.4 or later.

2.3 Network Infrastructure Management - Configuration and Operations features

2.3.1 [NSPF-435571] Device Configuration: Blueprint configs for templates

Release introduced: 26.4

Centralized policy management is fundamental to efficient network operations. This epic introduces blueprint templates.

A blueprint is a type of template that can be used to apply changes to all its deployments at once, similar to a global policy in NFM-P.

It provides the ability to:

- reduce operational effort (OPEX) by creating and managing configurations at scale, independent of network element type or mode
- minimize configuration errors through standardized definitions applied consistently across the network
- support controlled divergence, allowing local variation where required without losing alignment
- verify and correct configuration drift through audit and alignment mechanisms
- maintain consistent inventory visibility across the network

2.3.2 [NSPF-494489] Onboarding available for non-Utilities NSP

Release introduced: 26.4

Starting in Release 26.4, the Onboarding Wizard will be available for admin users when logging on for the first time. The wizard will provide a simplified setup of NSP for first-time users, and can be dismissed if not needed. This is the same user experience that is part of the Enterprise versions of NSP.

2.4 Flow Collector features

2.4.1 [NSPF-271588] Flow Collector Central Configuration UI

Release introduced: 26.4

Previously, only the RESTCONF API was available to configure Flow Collector policies. As of this release, a new Flow Collector GUI is available in NSP under the Data Collection and Analysis Management menu item.

2.4.2 [NSPF-536999] Flow Collector footprint reduction

Release introduced: 26.4

Previously, the Flow Collector pod required 64 GB of memory in some deployment profiles. Specific "node tainting" commands were required to ensure the Flow Collector could be deployed successfully.

As of this release, the memory requirement is reduced to 32 GB for those deployment profiles, with a corresponding reduction in the supported flows per second. However, node tainting is no longer required. The number of collector pods may need to be adjusted manually during the upgrade.

2.5 Device Management: SR OS features

2.5.1 [NSPF-269759] [Anti-theft protection] NSP to support Nokia NEs theft protection mode of operation Phase-2

Release introduced: 26.4

Feature Description

This feature adds the ability to change and push new OS security passwords to NEs from the NSP UI. It also supports scheduling a large-scale operation to handle the bulk password push operation to multiple NEs. This operation implicitly and internally handles the multiple NE reboots necessary to change the password.

Anti-theft policies have also been renamed to OS Security policies.

2.6 Device Management: OmniSwitch features

2.6.1 [NSPF-247847] OMNI Node Backup & Restore

Release introduced: 26.4

As part of this feature, users will be able to execute node backup and restore operations for OmniSwitch devices from Device Management in the NSP UI.

Note, however, that the option in the Backup list to "Compare with current NE config" is not supported for OmniSwitch nodes.

2.7 Device Management: 7750 Multi Access Gateway (MAG) features

2.7.1 [NSPF-444687] MAGc: Automate DB and SM VM Failure Scenario

Release introduced: 26.4

On receiving a DB VM or SM failure trap, NSP triggers a switchover to the backup MAGc, which is part of inter-chassis redundancy. This ensures that no subscriber sessions are affected during a DB or SM VM failure.

2.7.2 [NSPF-537437] MAGc: Automate 50% appliance server down scenario

Release introduced: 26.4

This is an event-driven workflow that executes a MAGc appliance ICR switchover when 50% of the appliance server VMs are down; for example, if 3 SM VMs, 1 LB, 1 DB, and 1 OAM VM are down.

2.8 Automation Frameworks features

2.8.1 [NSPF-467441] Artifacts | Documentation

Release introduced: 26.4

Artifact bundle documentation is now self-contained with artifact bundles and displayed upon installation in NSP Artifacts view.

2.8.2 [NSPF-519152] Enforcement for Developer FP

Release introduced: 26.4

The installation of custom (self-signed or unsigned) artifact bundles in production requires the Developer feature package.

2.8.3 [NSPF-519971] Installation | Development FP infrastructure and installation requirements

Release introduced: 26.4

Provide all installation and infrastructure updates to support the Developer FP.

2.9 Analytics features

2.9.1 [NSPF-526472] Troubleshooting Dashboard - Analytics Reports support

Release introduced: 26.4

This feature expands the troubleshooting dashboard's reporting capabilities, allowing users to launch analytics reports for a specific target—such as a service, link, port, or network element—and view the appropriate detailed or summary report data. The available target–report combinations in this release are:

Report Target

Node Power and Voltage Summary (NSP)

Optical Power and Voltage Details (NSP)

Optical Power and Voltage Summary (NSP)

LSP Throughput with Forecast (NSP)

SAP Throughput (NSP)

2.9.2 [NSPF-537011] Application Assurance deprecation cleanup

Release introduced: 26.4

Support for Application Assurance (AA) has been deprecated as of Release 26.4 (TA 24-0238 NSP Application Assurance Deprecation). The last release providing AA support is Release 25.11.

As of this release, all Application Assurance reports have been removed from the Analytics report catalog, and AA IPDR file generation is no longer available. The collection of AA Cflowd with the Flow Collector is also no longer supported.

3 NSP Release 26 features at a glance

3.1 Automation feature list

3.1.1 NSP automation features

Table 3-1 NSP Release 26.4

Key	Summary	Area
[NSPF-300650]	SAP Throughput Report Enhancements	Analytics
[NSPF-516486]	Static Routes Report support for IPv6	Analytics
[NSPF-525477]	Adding PCTL% to data domains for ad-hoc reporting (LA)	Analytics
[NSPF-526472]	Troubleshooting Dashboard - Analytics Reports support	Analytics
[NSPF-537011]	Application Assurance deprecation cleanup	Analytics
[NSPF-467441]	Artifacts Documentation	Automation Frameworks
[NSPF-494088]	Workflows Dynamic (custom) workers	Automation Frameworks
[NSPF-519152]	Enforcement for Developer FP	Automation Frameworks
[NSPF-519971]	Installation Development FP infrastructure and installation requirements	Automation Frameworks
[NSPF-444687]	MAGc: Automate DB and SM VM Failure Scenario	Device Management: 7750 Multi Access Gateway (MAG)
[NSPF-537437]	MAGc: Automate 50% appliance server down scenario	Device Management: 7750 Multi Access Gateway (MAG)
[NSPF-247847]	OMNI Node Backup & Restore	Device Management: OmniSwitch
[NSPF-269759]	[Anti-theft protection] NSP to support Nokia NEs theft protection mode of operation Phase-2	Device Management: SR OS
[NSPF-271588]	Flow Collector Central Configuration UI	Flow Collector
[NSPF-536999]	Flow Collector footprint reduction	Flow Collector
[NSPF-435571]	Device Configuration: Blueprint configs for templates	Network Infrastructure Management - Configuration and Operations
[NSPF-494489]	Onboarding available for non-Utilities NSP	Network Infrastructure Management - Configuration and Operations
[NSPF-524757]	Test that SR-TE LSPs with labels as hops can be visualized	Path Control

Table 3-1 NSP Release 26.4 (continued)

Key	Summary	Area
[NSPF-248431]	User Access Control: Kafka Authorization	Platform
[NSPF-463985]	New NSP Navigation: Main Menu customization	Platform
[NSPF-472384]	NSP Support for Subscription Licensing Phase 2: Add NSP client banners to notify about subscription term expiration	Platform
[NSPF-480766]	Additional improvements to SAML2.0/OIDC SSO	Platform
[NSPF-490476]	Installation: Support installation/upgrade of workloads directly to a patched NSP release	Platform
[NSPF-501981]	NSP GUI: Theming Continuation - Phase 1	Platform
[NSPF-509609]	Support dynamic CLI profiles installed through Artifacts UI	Platform
[NSPF-512441]	User Access Control - Enforce scope of command - Phase 3	Platform
[NSPF-513047]	Support audit logs for OpenSearch	Platform
[NSPF-523494]	Post-install updating of internal user IDs and passwords - Phase 2	Platform
[NSPF-535821]	Simplify PCE Feature Packages and Multi-layer Feature Packages: will be calculated based on License Points	Platform
[NSPF-535830]	Simplify Developer Feature Package - and display in NSP CLM, with all other FPs	Platform
[NSPF-472989]	CN Telemetry - Phase IV enhancements	Telemetry, OAM, Mediation

3.2 Nodal feature list

3.2.1 NSP

Table 3-2 NSP Release 26.4

Key	Summary
[NSPF-453639]	ESA Shelf Support in NSP (Classic SROS)

3.2.2 Classic NE management (formerly known as NFM-P)

Table 3-3 NSP Release 26.4

Key	Summary
[NSPF-489861]	New SAR Chassis 7705 SAR-Mx support
[NSPF-489863]	New SAR Chassis 7705 SAR-Hx support
[NSPF-489935]	7250 IXR-e3x
[NSPF-490007]	AOS 8.10 R04 Support
[NSPF-509109]	MACSec on 7250 IXR-e3c
[NSPF-532404]	7250 IXR-e2n NID AC (4x10G + 4x1G)
[NSPF-532686]	7705 SAR-Hx/Mx/10x 8-port T1/E1 MDA
[NSPF-532689]	7705 SAR-Hx/Mx/10x RS232 and C37.94 MDAs
[NSPF-543948]	IXR Gen 3c: Label Range for Services
[NSPF-546377]	Reintroducing support for OS 6860-P24

