

Release Notes for NX-OS Live Protect Shield

CVE-2026-76501 - Cisco Nexus 9000 Series Switches SRv6 OAM (NGOAM) Remote Code Execution Vulnerability

Live Protect Shield

Cisco has released Live Protect shield for [CVE-2026-76501](#) to temporarily mitigate this vulnerability in Cisco NX-OS Software.

For information about Live Protect for Cisco NX-OS Software, see [Cisco Nexus 9000 Series NX-OS Security Configuration Guide](#).

Note: Live Protect shield is a temporary mitigation to bridge the gap until software updates can be scheduled. To fully remediate this vulnerability, upgrade to a fixed software release, which can be found using the [Cisco Software Checker](#).

Overview

A vulnerability in the Segment Routing over IPv6 (SRv6) Operation, Administration, and Maintenance (OAM) feature of Cisco NX-OS Software, known as NGOAM, could allow an unauthenticated, remote attacker to execute arbitrary code with root privileges or cause a denial of service (DoS) on an affected device.

For additional information, refer to the security advisory at the following link <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-ngoam-rce-LWKQ4BU>

Attribute	Details
CVE ID	CVE-2026-76501
Shield ID	lp00036
Reference bug (IDs)	CSCwu19823
Shield File	lp00036-10.6.3-v1.lps

Requirements

- **Hardware:** Supported on Cisco Nexus 9000 Silicon One Series
 - N9K-C9316D-GX
 - N9K-C93600CD-GX
 - N9K-C9364C-GX
 - N9K-C9364D-GX2A
 - N9K-C9332D-GX2B
 - N9K-C93560LD-GX2B
 - N9K-C9348D-GX2A
 - N9K-9408
 - N9K-C9332D-H2R
 - N9K-C9364C-H1
 - N9K-C93400LD-H1

- **Access:** SSH, Telnet, or NXAPI access required for shield deployment.

Supported Release(s)

Cisco NX-OS Release 10.6(3)

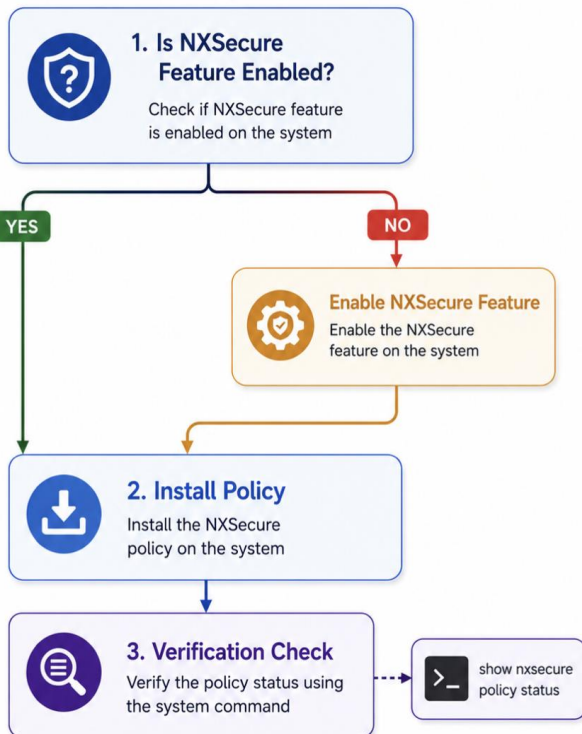
Shield behavior during Upgrade and Downgrade

Upgrade: When upgrading to NX-OS 10.6(4) or higher, shield operational mode transitions to **N/A**.

Downgrade: When downgrading to NX-OS 10.6(2), shield will not be removed. User must remove the shield prior to downgrade using nxsecure policy remove method. Refer to [Live Protect Configuration Guide](#).

Verification & Deployment Flow

The following process map outlines the validation path after policy deployment:



Verification Details

Policy Status

Use the following command to confirm the shield is in enforce mode:

```
switch# show nxsecure policy status
```

Id	Name	Package	Original	Override	Current	Hits
1p00036	cve-ngoam-srv-rce	1p00036-10.6.3-v1.lps	enforce	none	enforce	1

Shield Log Output

To inspect the hit events, use:

```
switch# show nxsecure log lp00036

Policy Id       : lp00036
Policy Name     : cve-ngoam-srv-rce
Policy Severity : CRITICAL
Policy Event    : Hit for CVE-2026-76501: Cisco Nexus 9000 Series
                  Switches SRv6 OAM (NGOAM) Remote Code Execution Vulnerability
Policy Event History(last 20 events):
SNo      Time           Mode      Process
1        2026 Sep 29 06:52:33 enforce    /isan/bin/ngoam
```

Shield Syslog

A syslog is received for every hit:

```
Syslog:
2026 Sep 29 15:29:29 switch %APPMGR-2-NXSECURE_CRIT_THREAT: Shield ID: lp00036,
Mode: enforce, Msg : Hit for CVE-2026-76501: Cisco Nexus 9000 Series Switches SRv6
OAM (NGOAM) Remote Code Execution Vulnerability
```

Reference

For detailed installation steps about Live Protect for Cisco NX-OS Software, see [Cisco Nexus 9000 Series NX-OS Security Configuration Guide](#).

Documentation Feedback

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