



FC-NPV and FCoE-NPV Supported Hardware

- [Licensing Requirements, on page 1](#)
- [Supported Platforms, on page 1](#)
- [FC-NPV and FCoE-NPV Supported Hardware, on page 1](#)

Licensing Requirements

For a complete explanation of Cisco NX-OS licensing recommendations and how to obtain and apply licenses, see the [Cisco NX-OS Licensing Guide](#) and the [Cisco NX-OS Licensing Options Guide](#).

Supported Platforms

Starting with Cisco NX-OS release 7.0(3)I7(1), use the [Nexus Switch Platform Support Matrix](#) to know from which Cisco NX-OS releases various Cisco Nexus 9000 and 3000 switches support a selected feature.

FC-NPV and FCoE-NPV Supported Hardware

The following table list the Cisco Nexus 9000 Series hardware that the FC-NPV and FCoE-NPV features are supported.

To enable FC/FCoE NPV mode on Cisco Nexus 9000 series switches, you must configure **feature-set fcoe-npv**.



Note For more information about enabling SAN Switching mode on Cisco Nexus 9000 series switches, see the [Cisco Nexus 9000 Series NX-OS SAN Switching Configuration Guide, Release 10.2\(x\)](#)

Table 1: Cisco Nexus 9000 FC-NPV and FCoE-NPV Supported Hardware

Switches / Line cards	Model (PID)	FC NP Port	FCoE NP Port	FC Edge Port	FCoE Edge Port	FEX Support
Cisco Nexus 9300 Series Switches	N9K-C93180YC-EX	No	Yes	No	Yes	Yes
	N9K-C93180YC-FX	Yes	Yes	Yes	Yes	Yes
	N9K-C93360YC-FX2	Yes	Yes	Yes	Yes	No
Cisco Nexus 9504 and 9508 Switches	N9K-X9732C-EX	No	Yes	No	Yes	No
	N9K-X9736C-FX	No	Yes	No	Yes	No

FC-NPV and FCoE-NPV is supported on Cisco Nexus N9K-C9336C-FX2 switches.

ISSU with with FCoE (Fiber Channel over Ethernet)/FC (Fiber Channel) NPV (N-port Virtualization) is supported on some Cisco Nexus 9000 switches. An ISSU allows you to upgrade the device software while the switch continues to forward traffic. Beginning with Cisco NX-OS Release 9.3(5), you can perform an in-service software upgrade (ISSU), also known as a nondisruptive upgrade, for some Cisco Nexus 9000 switches. The default upgrade process is disruptive. Using the nondisruptive option helps ensure a nondisruptive upgrade. (See *Cisco Nexus 9000 Series NX-OS Software Upgrade and Downgrade Guide, Release 9.x* for a complete list of supported platforms).



Note Software Maintenance Upgrade (SMU) is not supported for FC and FCOE.

Table 2: ISSU Support Matrix

Switches / Line cards	Model (PID)	With FC/FCOE NPV	With ST FEX	With AA FEX
Cisco Nexus 9300 Series Switches	N9K-C93180YC-EX	Yes	No	No
	N9K-C93180YC-FX	Yes	No	No
Cisco Nexus 9504 and 9508 Switches	N9K-X9464PX	Yes	Yes	No
	N9K-X9536PQ	Yes	Yes	No
	N9K-X9636PQ	Yes	Yes	No
	N9K-X9732C-EX	No	N/A	N/A
	N9K-X9736C-FX	No	N/A	N/A

FC-NPV is supported on N9k-C93180YC-FX and N9k-C93360YC-FX2 switches and only the following SFPs are supported:

- DS-SFP-FC8G-SW
- DS-SFP-FC16G-SW

- DS-SFP-FC32G-SW

FCoE-NPV supports the following FEX:

- N2K-B22HP-P
- N2K-B22IBM-P
- N2K-C2232PP
- N2K-C2348UPQ

25G adapter QL41212H is supported on the following devices. However, when a vFC port is shut for more than 60 seconds, the FIP VLAN request retries may not be sent from the host due to a driver issue. For more information about the issue see: [CSCvt83152](#).

- N9K-C93180YC-FX
- N9K-C93180YC-EX
- N9K-C93360YC-FX2

