

# End-of-Sale and End-of-Life Announcement for the Cisco Network Services Orchestrator 4.x and Related Network Element Drivers and Function Packs

---

# Contents

Overview	3
End-of-life milestones	6
Product part numbers	6
Product migration options	7
For more information	7

---

## Overview

### EOL13290

Cisco announces the end-of-sale and end-of-life dates for the Cisco Network Services Orchestrator 4.x and Related Network Element Drivers and Function Packs. The last day to order the affected product(s) is June 1, 2020. Customers with active service contracts will continue to receive support from the Cisco Technical Assistance Center (TAC) as shown in Table 1 of the EoL bulletin. Table 1 describes the end-of-life milestones, definitions, and dates for the affected product(s). Table 2 lists the product part numbers affected by this announcement. For customers with active and paid service and support contracts, support will be available under the terms and conditions of customers' service contract.

NSO Network Element Drivers (NED) also EOL with this announcement

- Cisco AireOS NED 3.3.17 and earlier
- Cisco APIC Data Center NED 3.2.4 and earlier
- Cisco ASA NED 6.7.4 and earlier
- Cisco DCNM NED 1.0.13 and earlier
- Cisco ESA NED 1.3.8 and earlier
- Cisco FMC NED 1.2.9 and earlier
- Cisco FTD NED 1.1.4 and earlier
- Cisco FXOS NED 1.0.6 and earlier
- Cisco GSS NED 2.1.0 and earlier
- Cisco IOS NED 6.37.1 and earlier
- Cisco IOS XR NED 7.15.x and earlier
- Cisco IOS ME1200 NED 3.5.1 and earlier
- Cisco IOS ME4600 NED 4.1.4 and earlier
- Cisco NX-OS NED 5.12.0 and earlier
- Cisco PNR NED 3.5.x and earlier
- Cisco QPS NED 5.1.1 and earlier
- Cisco SMA NED 1.3.3 and earlier
- Cisco StarOS NED 5.19.x and earlier
- Cisco WAAS NED 2.0.1 and earlier
- Cisco WSA NED 3.8.x and earlier
- A10 Networks ACOS NED 3.14.x and earlier
- Accedian NID NED 4.1.x and earlier

- 
- Adtran NED 4.0.4 and earlier
  - Adva 825 NED 4.1.2 and earlier
  - Adva FSPNH NED 1.0.2 and earlier
  - Affirmed Acuitas NED 3.0.x and earlier
  - Alcatel-Lucent ISAM NED 1.0.15 and earlier
  - Alcatel-Lucent Omniswitch NED 2.2.0 and earlier
  - Alcatel-Lucent Service Router (ALU SR) NED 7.x and earlier
  - Arista EOS NED 5.6 and earlier
  - Arris CMTS 1.0.3 and earlier
  - Avi Vantage NED 1.4.8 and earlier
  - Brocade Ironware 4.0.1 and earlier
  - Brocade NOS 2.0.0 and earlier
  - Brocade NOS 2.0.0 and earlier
  - Ceragon IP10 NED 3.0.5 and earlier
  - Checkpoint GaiaOS NED 1.7.19 and earlier
  - Ciena ACOS NED 6.1.4 and earlier
  - Ciena MCP NED 1.3.1 and earlier
  - Citrix NetScaler NED 4.0.x and earlier
  - Clavister COS NED 4.0.2 and earlier
  - Coriant SmartRouter NED 3.4.11 and earlier
  - Dell FTOS NED 3.4.0 and earlier
  - ECI Muse NED 1.1.2 and earlier
  - Equinix ECX NED 1.0.9 and earlier
  - Ericsson EFN NED 2.1.1 and earlier
  - Ericsson SGSNMME NED 1.0.6 and earlier
  - F5 BIG-IP NED 3.7.8 and earlier
  - Fortinet FortiOS 5.3.27 and earlier
  - Fortinet FortiManager FMG 4.0.20 and earlier
  - Furukawa FX1 2.0.1 and earlier
  - Generic CTU 1.0.4 and earlier
  - HP Nonstop i 1.0.9 and earlier
  - Huawei USN NED 1.2.0 and earlier
  - Huawei VRP NED 5.23.1 and earlier

- 
- Infinera EMXP NED 1.3.x and earlier
  - Infoblox NIOS NED 4.0.1 and earlier
  - Juniper Junos NED 4.5.12 and earlier
  - Juniper NSM NED 1.0.0 and earlier
  - MRV MasterOS NED 3.5.8 and earlier
  - Nuage VSD NED 1.4.2 and earlier
  - OneAccess OneOS NED 2.1.0 and earlier
  - OpenStack COS NED 3.0.7 and earlier
  - Overture1400 NED 4.1.0 and earlier
  - PaloAlto PanOS NED 4.3.0 and earlier
  - Quagga BGP NED 4.2.4 and earlier
  - RAD VX NED 1.3.x and earlier
  - Radware AlteonOS NED 2.3.x and earlier
  - Redback SE NED 1.3.4 and earlier
  - Riverbed Steelhead NED 4.0.1 and earlier
  - Sumitomo OLT NED 1.0.7 and earlier
  - Telco Systems BiNOX NED 3.3.1 and earlier
  - Unix BIND NED 2.0.15 and earlier
  - VMware vSphere NED NED 3.2.0 and earlier
  - ZenOSS SD NED 2.1.6 and earlier
  - ZTE XPON NED 3.4.2 and earlier
  - ZTE ZXROS NED 1.0.4 and earlier NSO Core Function Packs also EOL with this announcement
  - Cisco PnP 2.3.1 and earlier
  - Tail-f HCC 4.4.3 and earlier
  - Resource Manager 3.4.1 and earlier
  - Tail-f ETSI Rel2 3.x and earlier
  - Cisco SAE 1.x
  - Cisco SDWAN 1.5.x and earlier
  - Cisco vBranch 1.7.x and earlier

## End-of-life milestones

**Table 1.** End-of-life milestones and dates for the Cisco Network Services Orchestrator 4.x and Related Network Element Drivers and Function Packs

Milestone	Definition	Date
<b>End-of-Life Announcement Date</b>	The date the document that announces the end-of-sale and end-of-life of a product is distributed to the general public.	December 2, 2019
<b>End-of-Sale Date: App SW</b>	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale after this date.	June 1, 2020
<b>Last Ship Date: App SW</b>	The last-possible ship date that can be requested of Cisco and/or its contract manufacturers. Actual ship date is dependent on lead time.	August 30, 2020
<b>End of SW Maintenance Releases Date: App SW</b>	The last date that Cisco Engineering may release any final software maintenance releases or bug fixes. After this date, Cisco Engineering will no longer develop, repair, maintain, or test the product software.	June 1, 2021
<b>End of New Service Attachment Date: App SW</b>	For equipment and software that is not covered by a service-and-support contract, this is the last date to order a new service-and-support contract or add the equipment and/or software to an existing service-and-support contract.	June 1, 2021
<b>End of Service Contract Renewal Date: App SW</b>	The last date to extend or renew a service contract for the product.	August 28, 2022
<b>Last Date of Support: App SW</b>	The last date to receive applicable service and support for the product as entitled by active service contracts or by warranty terms and conditions. After this date, all support services for the product are unavailable, and the product becomes obsolete.	June 30, 2023

HW = Hardware      OS SW = Operating System Software      App. SW = Application Software

## Product part numbers

**Table 2.** Product part numbers affected by this announcement

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
NSO-47-K9	NSO 4.7 Active Server Term License for Production Netw	NSO-5X-K9	NSO 5.X Active Server Term License for Production Netw	-
NSO-DEV-47-K9	NSO 4.7 Lab Server 5 Term Licenses for Non-Prod Netw	NSO-DEV-5X-K9	NSO 5.X Lab Server 5 Term Licenses for Non-Prod Netw	-
NSO-47-P-K9	NSO 4.7 Active Server Perpetual License	See the Product Migration Options section below for detailed information on replacing this product.	-	-

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description	Additional Information
NSO-DEV-47-P-K9	NSO 4.7 Lab Server 5 Perpetual Licenses for Non-Prod Netw	See the Product Migration Options section below for detailed information on replacing this product.	-	-

## Product migration options

Customers are encouraged to upgrade to the latest versions available on [software.cisco.com](https://software.cisco.com). We recommend to plan for at least one upgrade to the latest software per year to ensure that you remain on a supported software stream.

Service prices for Cisco products are subject to change after the product End-of-Sale date.

The Cisco Takeback and Recycle program helps businesses properly dispose of surplus products that have reached their end of useful life. The program is open to all business users of Cisco equipment and its associated brands and subsidiaries. For more information, go to:

[https://www.cisco.com/web/about/ac227/ac228/ac231/about\\_cisco\\_takeback\\_recycling.html](https://www.cisco.com/web/about/ac227/ac228/ac231/about_cisco_takeback_recycling.html).

## For more information

For more information about the Cisco End-of-Life Policy, go to:

[https://www.cisco.com/en/US/products/products\\_end-of-life\\_policy.html](https://www.cisco.com/en/US/products/products_end-of-life_policy.html).

For more information about the Cisco Product Warranties, go to:

[https://www.cisco.com/en/US/products/prod\\_warranties\\_listing.html](https://www.cisco.com/en/US/products/prod_warranties_listing.html).

To subscribe to receive end-of-life/end-of-sale information, go to:

<https://www.cisco.com/cisco/support/notifications.html>.

Any authorized translation issued by Cisco Systems or affiliates of this end-of-life Product Bulletin is intended to help customers understand the content described in the English version. This translation is the result of a commercially reasonable effort; however, if there are discrepancies between the English version and the translated document, please refer to the English version, which is considered authoritative.

**Americas Headquarters**  
Cisco Systems, Inc.  
San Jose, CA

**Asia Pacific Headquarters**  
Cisco Systems (USA) Pte. Ltd.  
Singapore

**Europe Headquarters**  
Cisco Systems International BV Amsterdam,  
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at <https://www.cisco.com/go/offices>.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: <https://www.cisco.com/go/trademarks>. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)