Cisco Nexus Dashboard Data Broker Release Notes, Release 3.10.4

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Introduction

Visibility into application traffic is important for infrastructure operations to maintain security and compliance, and to perform resource planning and troubleshooting. With the technological advances and growth in cloud-based applications, it has become imperative to gain increased visibility into the network traffic. Traditional approaches to gain visibility into network traffic are expensive and rigid, making it difficult for managers of large-scale deployments.

Cisco Nexus Dashboard Data Broker with Cisco Nexus Switches provides a software-defined, programmable solution to aggregate copies of network traffic using SPAN or network taps for monitoring and visibility. As opposed to traditional network taps and monitoring solutions, this packet-brokering approach offers a simple, scalable and cost-effective solution well-suited for customers who need to monitor higher-volume and business-critical traffic for efficient use of security, compliance, and application performance monitoring tools.

Cisco Nexus Dashboard Data Broker also provides a software-defined, programmable solution to perform inline inspection of the network traffic for monitoring and visibility purpose. Inline traffic inspection is performed on specific traffic by redirecting it through multiple security tools before it enters or exits a network.

Note: The documentation set for this product strives to use bias-free language. For the purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. Exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.

Date	Description
May 29, 2026	Updated the Supported APIC Versions table with APIC version 5.3(2b).
May 22, 2026	Updated the Interoperability Matrix table to indicate support for NX-OS releases, 10.6(1), and 10.4(7).
November 12, 2024	Updated the Supported APIC Versions table with APIC version 5.3(2c).
November 4, 2024	Updated the Interoperability Matrix table to indicate support for NX-OS releases, 10.3(6), 10.4(1), and 10.4(4).
April 10, 2024	Added CSCwj65375 to the Open Issues list.
January 30, 2024	Updated the Supported APIC Versions table to indicate support for APIC version 5.2(6e).
December 19, 2023	Added CSCwi50734 to the Open Issues list.
November 23, 2023	Updated the Interoperability Matrix table to indicate support for NX-OS releases, 9.3(12) and 10.2(6).
October 31, 2023	Updated the Compatibility Matrix table to indicate support for Nexus C9332D-GX2B and C93180YC-FX3 switches.
September 26, 2023	Release 3.10.4 became available.

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New Software Features

The list of new features for Cisco Nexus Dashboard Data Broker, Release 3.10.4 is here.

Product Impact	Feature	Description
Base Functionailty	Preferred Primary Node in a Cluster	While configuring a cluster, the first node in the list of supernodes in the config.ini file is considered as the primary node of the cluster. For more information, see the *Logging in and Managing* chapter of the Nexus Dashboard Data Broker configuration guide.
	Standby Node in a Cluster	While configuring a cluster, you can add a fourth node as a standby node in the config.ini file. This node comes into play only when two nodes of the cluster are *down*. For more information, see the *Logging in and Managing* chapter of the Nexus Dashboard Data Broker configuration guide.
	Refresh Fabric button addition	To fetch the latest ACI fabric details, the **Refresh Fabric** button has been introduced. This is available while you are configuring the span sessions and the input ports. For details, see the *Components* chapter of the the Nexus Dashboard Data Broker configuration guide.
Ease of Use	Modified button for Edit Screens	All the Edit screens have been modified to display the **Save** button after you have edited a parameter. As this change is applicable for all Edit screens, updates are across all the chapters of the Nexus Dashboard Data Broker configuration guide.

Issues

Cisco Bug Search Help Tool (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.Use the Bug Search Tool to search for a specific bug or to search for all bugs in a release.

This section includes the following topics:

- Open Issues
- Resolved Issues
- Known Issues

Open Issues

Open Issues for Cisco Nexus Dashboard Data Broker.

Bug ID	Description	Exists In
CSCvs65911	Port Channel Configuration is not getting exported.	3.9.0 and above
CSCvt62492	Port-channel operations on ISL links results in failure of Link discovery.	3.9.0 and above
CSCvw91742	Auto-priority connection with intersecting port range filters not working.	3.10.0 and above

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Bug ID	Description	Exists In
CSCvw20966	A NDB shouldn't use " session manager" way for MPLS ACLs configuration.	3.10.0 and above
CSCvm65172	Direction change should be supported while editing span session.	3.8.0 and above
CSCvx44167	NDB reprograms ISL ACL/ACEs without any flag enabled.	3.10.0 and above
CSCvy83107	ISL portchannel is attached with port and global acl after upgrade from 3.7 to 3.10.1.	3.10.1 and above
CSCvy56209	RMA of device is not getting successful on upgraded setup.	3.10.1 and above
CSCwi50734	Not able to add a device to NDB with " ip server-name" CLI configured under vrf on the switch.	3.10.4
CSCwj65375	Adding DNAC to NDB controller fails in release 3.10.4.	3.10.4

Resolved Issues

Resolved Issues for Cisco Nexus Dashboard Data Broker.

Bug ID	Description	Resolved In
CSCwe80288	LLDP Neighbors not coming up.	3.10.4
CSCwh39938	N9k with NDB 3.10.3 - [CVE-2023-26049, CVE-2023-26048]vulnerability found on port 8443.	3.10.4
CSCwe80297	Upgrade and reconfiguration to solve the data merge problem.	3.10.4
CSCwe80276	Port descriptions should not be removed while configuring ports via NDB GUI.	3.10.4
CSCwc35315	Reset/Recover Admin password without NDB restart via CLI.	3.10.4
CSCvw23569	Don't let the member start or become primary if primary is started with keys and certificates.	3.10.4
CSCvw38606	Connection moving to 'not installed' state if devices are not connected/reachable from NDB.	3.10.4
CSCwf20504	Two node cluster should not be supported.	3.10.4

Known Issues (NX-OS)

Bug ID	Description	Exists In
CSCvo85210	NDB Limitation: Can't match MAC address in IP packet, it will hit deny any any in IP ACLs.	9.2.1 and above
CSCvs50998	IP ACL with UDF match removes internal VLAN tag in Cisco NX-OS Release 9.3(2). - Fixed in 9.3(3).	9.3.2
CSCvr01876	Re-direct STP, CDP packets similar to LLDP port for OpenFlow.	7.0.3 and above

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Bug ID	Description	Exists In
CSCvx79293	Not seeing timestamptag on interface after configuring the cmds on C9504 platform in nxos 9.3.7.	9.3.7

Guidelines and Limitations

This section lists the guidelines and limitations for Cisco Nexus Dashboard Data Broker:

Specific for Release 3.10.4

- Support for 3-node clusters only.
- Upgrade from Nexus Data Broker, Release 3.9.2, to Nexus Dashboard Data Broker, Release 3.10.4, is not supported.
- Communication between the Nexus Dashboard Data Broker controller and devices using OpenFlow is not supported.

General

- A Cisco Nexus Dashboard Data Broker instance can support only the NX-API configuration mode.
- By default, the Nexus Dashboard Data Broker cluster URL is https://<IP_address>:8443
- The switchport mode trunk and spanning-tree bpdufilter enable command should be enabled for all switch ports on all Cisco Nexus Dashboard Data Broker managed switches.
- Cisco Nexus switches managed by Cisco Nexus Dashboard Data Broker in NX-API mode must have LLDP feature enabled. Disabling LLDP may cause inconsistencies and require switch rediscovery for NX-API switches.
- For secured communication between Cisco Nexus Dashboard Data Broker and switch through HTTPS, start the Cisco Nexus Dashboard Data Broker in TLS mode for the first time only. Subsequent restarts does not require TLS mode.

  For more details, see Cisco Nexus Dashboard Data Broker Configuration Guide.
- The TLS KeyStore and TrustStore passwords are sent to the Cisco Nexus Dashboard Data Broker so it can read the password-protected TLS KeyStore and TrustStore files only through HTTPS

  ```
  ./ndb config-keystore-passwords [--user {user} --password {password} --url {url} -verbose --prompt --keystore-password {key-store_password} --truststore-password {truststore_password}
  ```
- Cisco Nexus 92xx series switches do not support Q-in-Q; you cannot use this switch in a multi-switch environment.
- Dry Run feature is disabled by default. To enable this feature, see the Configuration Guide.
- TACACS can be configured on data broker devices for authentication , authorization and accounting. Accounting can be enabled only for configuration commands, not for show commands.

Compatibility Matrix

The following table lists the compatibility information for Cisco Nexus Dashboard Data Broker, Release 3.10.4.

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Device	Minimum Cisco Nexus Dashboard Data Broker Version	Supported Use Case
Cisco Nexus 3000 Series Switch Cisco Nexus 3100 Series Switch Cisco Nexus 3200 Series Switch Cisco Nexus 3164Q Series Switch	3.0 or later	Tap/SPAN aggregation
Cisco Nexus 31100 Series Switch	3.7 or later	Tap/SPAN aggregation
Cisco Nexus 9200 Series Switch	3.1 or later	Tap/SPAN aggregation
Cisco Nexus 9300 Series Switch	3.0 or later	Tap/SPAN aggregation
Cisco Nexus 9300-EX Series Switch	3.1 or later	Tap/SPAN aggregation
Cisco Nexus 9300-FX Series Switch	3.5 or later	Tap/SPAN aggregation
Cisco Nexus 9300-FX2 Series Switch	3.7 or later	Tap/SPAN aggregation
Cisco Nexus 9300-FX3 Series Switch • C93180YC-FX3	3.10.2 or later	Tap/SPAN aggregation
Cisco Nexus 9300-GX Series Switch	3.10 or later	Tap/SPAN aggregation
Cisco Nexus C9332D-GX2B Switch	3.10.2 or later	Tap/SPAN aggregation
Cisco Nexus 9332C Switch Cisco Nexus 9364C Switch	3.8 or later	Tap/SPAN aggregation
Cisco Nexus 9500 Series Switch – 9504, 9508, 9516 Supported Modules: • N9K-X97160YC-EX • N9K-X9732C-EX • N9K-X9732C-FX • N9K-X9736C-EX • N9K-X9736C-FX • N9K-X9788TC-FX	3.5 or later	Tap/SPAN aggregation

Interoperability Matrix

The following table lists the hardware and software interoperability matrix for Cisco Nexus Dashboard Data Broker, Release 3.10.4.

Implementation Type: NX-API

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Device	Supported NX-OS Versions
Cisco Nexus 3000 Series Switch[1] – 3048, 3064	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5),9.3(7), 9.3(7a), 9.3(8), 9.3(9).
Cisco Nexus 3100 Series Switch[1] – 3132C-Z, 3172, 3164, 3164Q	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5),9.3(7), 9.3(7a), 9.3(8), 9.3(9).
Cisco Nexus 3200 Series Switch[1] – 3232	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5),9.3(7), 9.3(7a), 9.3(8), 9.3(9), 9.3(10), 9.3(12). **Note**: NX-OS release 9.3(12) is supported only on 3232C.
Cisco Nexus 31100 Series Switch[1]	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5),9.3(7), 9.3(7a), 9.3(8), 9.3(9). **Note**: NX-OS release 9.3(10), 9.3(12), is supported on 31108PCV.
Cisco Nexus 9200 Series Switch - C92304QC[1], C92160YC **Note**: Cisco Nexus 9200 Series switches support only one switch deployment.	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5), 9.3(7), 9.3(7a), 9.3(8), 9.3(9),10.1(2), 10.2(2).
Cisco Nexus 9300 Series Switch - C93128TX[1], C9396TX[1]	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5) ,9.3(7), 9.3(7a), 9.3(8), 9.3(9),10.1(2), 10.2(2).
Cisco Nexus 9300-EX Series Switch - C93180LC-EX[1], C93180YC-EX, C93108TC-EX	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5) ,9.3(7), 9.3(7a), 9.3(8), 9.3(9), 9.3(10), 9.3(12), 10.1(2), 10.2(2), 10.2(3), 10.2(4), 10.2(5), 10.2(6), 10.3(2), 10.3(3). **Note**: NX-OS Releases, 9.3(10), 9.3(12), 10.2(4), 10.2(5), 10.2(6), 10.3(2), 10.3(3) are supported only on C93108TC-EX.
Cisco Nexus 9300-FX Series Switch - C93108TC-FX, C93180YC-FX	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5) 9.3(7), 9.3(7a), 9.3(8), 9.3(9), 9.3(10), 10.1(2), 10.2(2), 10.2(3), 10.2(4), 10.2(5), 10.3(1), 10.3(2), 10.3(3), 10.3(6), 10.4(1), 10.4(4), 10.4(7), 10.6(1). **Note**: NX-OS Releases, 9.3(10), 10.2(4), 10.2(5), 10.3(1), 10.3(2), 10.3(3) are supported only on C93108TC-FX.
Cisco Nexus 9300-FX2 Series Switch - N9K-9336C-FX2, 93240YC-FX2	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5) ,9.3(7), 9.3(7a), 9.3(8), 9.3(9), 10.1(2), 10.2(2), 10.2(3), 10.3(6), 10.4(1), 10.4(4), 10.4(7), 10.6(1).
Cisco Nexus 9300-FX2 Series Switch - C93360YC-FX2	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5) ,9.3(7), 9.3(7a), 9.3(8), 9.3(9), 9.3(10), 9.3(12), 10.1(2), 10.2(2), 10.2(3), 10.2(4), 10.2(5), 10.2(6), 10.3(1), 10.3(2), 10.3(3), 10.3(6), 10.4(1), 10.4(4), 10.4(7), 10.6(1).
Cisco Nexus 9300-FX3 Series Switch - C93180YC-FX3	9.3(10), 9.3(12), 10.2(4), 10.2(5), 10.2(6), 10.3(1), 10.3(2), 10.3(3), 10.3(6), 10.4(1), 10.4(4), 10.4(7), 10.6(1).

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Device	Supported NX-OS Versions
Cisco Nexus 9300-GX Series Switch - 9364C-GX,9316D-GX	9.3(5),9.3(7), 9.3(7a), 9.3(8), 9.3(9), 10.1(2), 10.2(2), 10.2(3), 10.3(2), 10.4(4), 10.4(7), 10.6(1). **Note**: NX-OS Release 10.3(2) is supported only on 9364C-GX.
Cisco Nexus 9300-GX Series Switch - 93600CD-GX	9.3(5),9.3(7), 9.3(7a), 9.3(8), 9.3(9), 9.3(10), 9.3(12), 10.1(2), 10.2(2), 10.2(3), 10.2(4), 10.2(5), 10.2(6), 10.3(2), 10.3(3), 10.3(6), 10.4(1), 10.4(4), 10.4(7), 10.6(1).
Cisco Nexus 9332C Switch	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5),9.3(7), 9.3(7a), 9.3(8), 9.3(9), 9.3(10), 9.3(12), 10.1(2), 10.2(2), 10.2(3), 10.2(4), 10.2(5), 10.2(6), 10.3(1), 10.3(2), 10.3(3).
Cisco Nexus 9364C Switch	9.3(1), 9.3(2),9.3(3),9.3(4),9.3(5),9.3(7), 9.3(7a), 9.3(8), 9.3(9), 9.3(10), 9.3(12), 10.1(2), 10.2(2), 10.2(3), 10.2(4), 10.2(5), 10.2(6), 10.3(2), 10.3(3).
Cisco Nexus C9364D-GX2A Switch	10.4(7), 10.6(1).
Cisco Nexus C9332D-GX2B Switch	9.3(10), 10.2(4), 10.2(5), 10.2(6), 10.3(1), 10.3(2), 10.3(3), 10.3(6), 10.4(1), 10.4(4), 10.4(7), 10.6(1).
Cisco Nexus 9500 Series Switch Supported Modules: • N9K-X9464TX	9.3(1), 9.3(2), 9.3(7), 9.3(7a), 9.3(8), 9.3(9), 9.3(10), 9.3(12), 10.1(2), 10.2(2), 10.2(3). 10.2(4), 10.2(5), 10.2(6), 10.3(2), 10.3(3). **Note**: NX-OS Releases 9.3(10), 9.3(12), 10.2(4), 10.2(5), 10.2(6), 10.3(2), 10.3(3) are supported only on 9504.
Cisco Nexus 9500-EX Series Switch Supported Modules: • N9K-X97160YC-EX • N9K-X9732C-EX	9.3(1), 9.3(2), 9.3(7), 9.3(7a), 9.3(8), 9.3(9), 10.1(2), 10.2(2), 10.2(3).
Cisco Nexus 9500-FX Series Switch Supported Modules: • N9K-X9732C-FX	9.3(1), 9.3(2), 9.3(7), 9.3(7a), 9.3(8), 9.3(9), 10.1(2), 10.2(2), 10.2(3), 10.3(6), 10.4(1), 10.4(4).

1- NX-OS Release 10.x(x) is not supported on these platforms.

Supported APIC Versions

The table displays the supported APIC versions.

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APIC Version	Minimum Cisco Nexus Dashboard Data Broker Version	Supported Deployment Mode
5.2(4d),5.2(4e), 5.2(6e), 5.3(2b), 5.3(2c)	3.10.4	Centralized

Verified Scalability Limits

The table displays the supported verified scalability limits.

Description	Small	Medium	Large
Number of switches used for TAP and SPAN aggegation	25	50	75 - 100

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