New and Changed Information

This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 9000 Series NX-OS Security Guide, Release 9.3(x)*.

New and Changed Information

This table summarizes the new and changed features for the *Cisco Nexus 9000 Series NX-OS Security Configuration Guide, Release 9.3(x)* and where they are documented.

Table 1: New and Changed Features

Feature	Description	Changed in Release	Were Documented
Layer 3 subinterface egress RACL	Added support for Layer 3 subinterface egress router ACL on Cisco Nexus 9300-EX, 9300-FX, and 9300-FX2 platform switches	9.3(9)	Guidelines and Limitations for IP ACLs Applying an IP ACL as a Router ACL
Configuring Login Block Per User	Added ability to configure login block per user	9.3(7)	Configuring Login Block Per User
802.1X Support for VXLAN EVPN	Added support for Cisco Nexus 9300-GX platform switches.	9.3(7)	Guidelines and Limitations for 802.1X Support for VXLAN EVPN
Authentication through MAC Authentication Bypass only	Added the ability to configure MAB as the default authentication method for all traffic on dot1q enabled ports. This feature is supported on Cisco Nexus 9336-FX2, Nexus 9236C, Nexus 93108TC-EX, and Nexus 93180YC-EX switches.	9.3(5)	Configuring the Default 802.1X Authentication Method - MAB

Feature	Description	Changed in Release	Were Documented
Dynamic ACL	Added the ability to restrict access to the dot1q blocked list of MAB clients. This feature is supported on Cisco Nexus 9336-FX2, Nexus 9236C, Nexus 93108TC-EX, and Nexus 93180YC-EX switches.	9.3(5)	• About DACL • Creating Dynamic Access Lists
DHCPv6	Added support for DHCPv6 Option 79 (client link-layer address) in DHCPv6-relayed packets for Cisco Nexus 9300-GX platform switches.	9.3(5)	• Enabling DHCPv6 Option 79 • Additional References for DHCP
IPv6 First Hop Security	Added support for Cisco Nexus 9300-GX platform switches.	9.3(5)	Guidelines and Limitations of First-Hop Security
IPv6 Egress ACL	Added support for IPv6 egress ACL on Cisco Nexus 9504 and 9508 platform switches with the -R and -RX line cards.	9.3(5)	Guidelines and Limitations for IP ACLs
IP Source Guard (IPSG)	Added support on Cisco Nexus 9300-GX platform switches.	9.3(5)	Guidelines and Limitations for IP Source Guard
MACsec	Added support on Cisco Nexus N9K-C93180YC-FX3S, Nexus N9K-X9732C-FX, and Nexus N9K-X9788TC-FX line cards.	9.3(5)	Guidelines and Limitations for MACsec
NDcPP: OCSP for Syslog	Added OCSP support for syslog servers. This feature is supported on all Cisco Nexus 9000 Series switches and line cards.	9.3(5)	• Certificate Revocation Checking • Guidelines and Limitations for PKI • NDcPP: OCSP for Syslog
PACL redirects	Added support for PACL redirects on Cisco Nexus 9300-GX switches.	9.3(5)	Guidelines and Limitations for IP ACLs

Feature	Description	Changed in Release	Were Documented
Type-6 encryption of MACsec keys	Added the ability to store MACsec preshared key in a type-6 encrypted format. This feature is supported on all Nexus 9000 series switches that support MACsec.	9.3(5)	• Guidelines and Limitations for Password Encryption • Enabling Type-6 Encryption on MACsec Keys
UDP for IP Helper Address	Added the ability to enable route configuration to relay broadcasts destined for all UDP ports, except the DHCPv4 port numbers 67 and 68. This feature is supported on Nexus 9200, 9300, 9300-EX, Nexus 9300-FX/FX2, and Nexus 9500 switches with the -EX/FX line cards.	9.3(5)	Configuring UDP Relay
802.1x	Added support for 802.1X on Cisco Nexus 9300-GX switches.	9.3(3)	802.1X Guidelines and Limitations
DAI	Added support for DAI on Cisco Nexus 9300-GX switches.	9.3(3)	Guidelines and Limitations for DAI
DHCP	Added support for DHCP snooping and DHCP relay on Cisco Nexus 9300-GX switches.	9.3(3)	Guidelines and Limitations for DHCP
DHCP	Added the ability to disable the server identifier override option for DHCP Option 82 packets.	9.3(3)	Disabling the Server Identifier Override Option
DHCP	Added the ability for the DHCP relay to choose either the primary or the secondary subnet when the interface includes both these subnets.	9.3(3)	Configuring DHCP Relay Subnet-Selection
DHCPv6	Added support for DHCPv6 Option 79 (client link-layer address) in DHCPv6-relayed packets for all Cisco Nexus 9000 Series switches and line cards.	9.3(3)	• Enabling DHCPv6 Option 79 • Additional References for DHCP

Feature	Description	Changed in Release	Were Documented
IP ACLs	Added support to egress IPv4 and IPv6 RACL on Cisco Nexus 9500 platform switches with -R and -RX line cards.	9.3(3)	Guidelines and Limitations for IP ACLs
MAC UDF	Ability to configure UDF-based MAC access lists (ACLs) for Cisco Nexus 9300-GX switches.	9.3(3)	Configuring a UDF-Based MAC ACL
MACsec	Added support for MACsec on Cisco Nexus 93108TC2-FX, Cisco Nexus 93180YC-FX, Cisco Nexus 93216TC-FX2, , and Cisco Nexus 93360YC-FX2 switches.	9.3(3)	Guidelines and Limitations for MACsec
User-defined MAC address	Enables you to configure a user-defined MAC address limit between the range of 16 to 256.	9.3(2)	• Guidelines and Limitations for MAC ACLs
MAC UDF	Ability to enable the device to match on user-defined fields (UDFs) and to apply the matching packets to MAC ACLs.	9.3(2)	Configuring a UDF-Based MAC ACL
MACSec	MACsec is now supported on the Cisco Nexus N9K-C9364C, N9K-C9332C, and N9K-C9348GC-FXP platform switches.	9.3(1)	Guidelines and Limitations for MACsec
uRPF	uRPF is now supported on Cisco Nexus 9500 Series switches with the family of modular EX and FX line cards.	9.3(1)	Guidelines and Limitations for Unicast RPF

Feature	Description	Changed in Release	Were Documented
MAC UDF	Ability to configure UDF-based MAC access lists (ACLs) for the Cisco Nexus 9200, 9300, and 9300-EX Series switches. This feature enables the device to match on user-defined fields (UDFs) and to apply the matching packets to MAC ACLs.	9.3(1)	Configuring a UDF-Based MAC ACL