



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 10.3(x)*.

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This table summarizes the new and changed features for the *Cisco Nexus 9000 Series NX-OS Security Configuration Guide, Release 10.3(x)* and where they are documented.

Table 1: New and Changed Features

Feature	Description	Changed in Release	Where Documented
ECC key pair	Added Elliptic Curve Cryptography key pair support for generating and import/enrollment of certificate.	10.3(3)F	Guidelines and Limitations for PKI Generating an ECC Key Pair
Expanded support for Type-6 password encryption	Added Type-6 encryption support for RPM legacy keychain.	10.3(3)F	Guidelines and Limitations for Password Encryption Configuring a Primary Key and Enabling the AES Password Encryption Feature Configuring Text for a Key Configuration Example for Keychain Management
SGT forwarding support	Added support for SGT forwarding on Cisco Nexus 9500 switches with N9K-X97160YC-EX line card.	10.3(3)F	SGT Tagged Packet

Feature	Description	Changed in Release	Where Documented
MACsec Cipher key enforcement	MACsec Cipher key enforcement feature provides the option to define the supported cipher suites from the most preferred to the least preferred.	10.3(3)F	Guidelines and Limitations for MACsec Configuring a MACsec Policy Configuration Example for MACsec
Nested CA bundle with gNMI	Added support to import CA certificate.	10.3(3)F	Import of the CA Certificate Bundle in PKCS7 Format
Autocomplete ACL name	Added auto name complete support for ACL names on Cisco Nexus 9000 Series platform switches.	10.3(3)F	Guidelines and Limitations for IP ACLs
Port-security support with VXLAN EVPN (Single VTEP)	L2 Port security feature is supported on VXLAN BGP EVPN (single VTEP).	10.3(3)F	Port Security Support for VXLAN EVPN
Uprev all OC model to the latest version - AAA	Added password criteria to configure AAA for RADIUS and TACACS+.	10.3(3)F	Configuring Default Login Authentication Methods
Option to prioritize storm control policer over L3 control packet policers	Introduced a command to prioritize storm-control policer over the CoPP policer for Layer 3 control frames.	10.3(3)F	Guidelines and Limitations for Traffic Storm Control Prioritizing Storm-control Policer Over the CoPP Policer
MACsec support on 9408 with LEM modules	Added support for MACsec on Cisco Nexus 9408 with LEM modules N9K-X9400-16W and N9K-X9400-8D on all supported links.	10.3(2)F	Guidelines and Limitations for MACsec
Primary key enablement within configuration mode	Added support to configure primary key using DME payload and non-interactive mode.	10.3(2)F	Configuring a Primary Key and Enabling the AES Password Encryption Feature
BGP: RPKI Support	An RPKI database is used by BGP to validate origin-AS.	10.3(2)F	Resource Public Key Infrastructure (RPKI)
Storm Control on Layer 3 Interfaces	Added support for Traffic Storm Control on Layer 3 interfaces.	10.3(2)F	Configuring Traffic Storm Control

Feature	Description	Changed in Release	Where Documented
Source CoPP ACLs on Nexus 9504/9508 with -R line cards	Added support for source IP based filtering for CoPP on Cisco Nexus 9504 and 9508 switches with R/RX line cards.	10.3(2)F	Guidelines and Limitations for CoPP
MAB, Critical Authentication, and Multi-auth support	Added support for MAB, critical authentication, and multi-auth on Cisco Nexus 9508 switches with N9K-X9788TC-FX, and N9K-X97160YC-EX line cards.	10.3(2)F	802.1X Guidelines and Limitations Guidelines and Limitations for Critical Authentication
AAA	Added support for AAA on Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for AAA
RADIUS	Added support for RADIUS on Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for RADIUS
TACACS+	Added support for TACACS+ on Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for TACACS+
LDAP	Added support for LDAP on Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for LDAP
MACsec	Added support for MACsec on N9K-X9836DM-A line card of Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for MACsec
ACL Consistency Checker	Added support for ACL Consistency Checker on Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for IP ACLs
ACL - Sup, CoPP	Added support for CoPP ACL on Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for CoPP
RACL(Ingress/Egressv4/v6) with stats – (no UDF support)	Added support for RACL (Ingress-IPv4/IPv6 and Egress-IPv4/IPv6) with statistics on Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for IP ACLs

Feature	Description	Changed in Release	Where Documented
DHCP relay	Added support for DHCP relay on Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for DHCP
RadSec support	RadSec support is provided on Cisco Nexus 9000 Series switches to secure the communication between RADIUS/TCP peers at the transport layer.	10.3(1)F	Guidelines and Limitations for RadSec Configuring RadSec
Type-9 scrypt encryption support	Type 8 and type 9 password hash is supported on Cisco Nexus 9000 Series switches.	10.3(1)F	Guidelines and Limitations for User Accounts and RBAC Configuring User Accounts
Check for password restrictions	Consecutive characters check in passwords is supported on Cisco Nexus 9000 Series switches.	10.3(1)F	Verifying the AAA Configuration Guidelines and Limitations for User Accounts and RBAC Enabling Consecutive Characters Check in Passwords
ITD NAT support on non-default VRF	ITD NAT VRF configuration is provided on Cisco Nexus 9300-GX platform switches.	10.3(1)F	Guidelines and Limitations for IP ACLs Configuring ACL TCAM Region Sizes