



Forwarding Scale Profiles Information for Cisco APIC Releases 4.2(3) Through 4.2(7)

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Supported Platforms

This section provides forwarding scale profiles hardware support information for releases 4.2(3i) through 4.2(7). Scale information for release 4.2(3j) is the same as [Release 4.2\(2\)](#).

The following table summarizes platform support for each forwarding scale profile.

Table 1: Supported Switches

Scale Profile	Supported on EX and FX2 Switches	Supported on FX and GX Switches
High Policy	No	Only supported on 93180YC-FX, 93600CD-GX, and 9364C-GX with 32 GB of RAM.
Dual Stack	Yes	Yes
High Dual Stack	Yes	Yes Different scale numbers than EX/FX2.
High LPM	Yes	Yes
IPv4 Scale	Yes	Yes

The forwarding scale profile policy is only supported on the following switches:



Note

Support for Cisco Nexus N9K-C9364C-GX switches was added in Release 4.2(3i). This switch is not supported in the earlier 4.2(3) releases.

- Forwarding scale profiles are supported on the following switches:
 - Cisco Nexus 9300-EX series switches
 - Cisco Nexus 9300-FX series switches
 - Cisco Nexus 9300-FX2 series switches
 - Cisco Nexus 93600CD-GX switch
 - Cisco Nexus 9364C-GX switch
- The **High Policy** profile is supported only on the following switches:
 - Cisco Nexus 93180YC-FX with 32 GB of RAM
 - Cisco Nexus 93600CD-GX with 32 GB of RAM
 - Cisco Nexus 9364C-GX with 32 GB of RAM
- Switches not listed here do not support forwarding scale profiles in this release.

Scalability

The following table provides forwarding scale profiles scalability information in releases 4.2(3l) through 4.2(7). Scalability information for release 4.2(3j) is the same as [Release 4.2\(2\)](#).


Note

Support for Cisco Nexus N9K-C9364C-GX switches was added in Release 4.2(3l). This switch is not supported in the earlier 4.2(3) releases.


Note

The LPM scale listed in the following table includes any combination of IPv4 and IPv6 prefixes. The total of $(\# \text{ of IPv4 prefixes}) + 2 * (\# \text{ of IPv6 prefixes})$ must not exceed the listed scale.

Scale Profile	Scale for EX and FX2 Switches	Scale for FX and GX Switches
High Policy	Not supported	<p>Note High Policy profile is supported only on the N9K-C93180YC-FX, N9K-C93600CD-GX, and N9K-C9364C-GX switches with 32GB of RAM.</p> <ul style="list-style-type: none"> • EP MAC: 24,000 • EP IPv4: 24,000 • EP IPv6: 12,000 • LPM: 20,000 • Policy: 256,000 • Multicast: 8,000
Dual Stack	<ul style="list-style-type: none"> • EP MAC: 24,000 • EP IPv4: 24,000 • EP IPv6: 12,000 • LPM: 20,000 • Policy: 64,000 • Multicast: 8,000 	<ul style="list-style-type: none"> • EP MAC: 24,000 • EP IPv4: 24,000 • EP IPv6: 12,000 • LPM: 20,000 • Policy: 64,000 • Multicast: 8,000
High Dual Stack	<ul style="list-style-type: none"> • EP MAC: 64,000 • EP IPv4: 64,000 • EP IPv6: 24,000 • LPM: 38,000 • Policy: 8,000 • Multicast: 512 	<ul style="list-style-type: none"> • EP MAC: 64,000 • EP IPv4: 64,000 • EP IPv6: 48,000 • LPM: 38,000 • Policy: 128,000 • Multicast: 32,000
High LPM	<ul style="list-style-type: none"> • EP MAC: 24,000 • EP IPv4: 24,000 • EP IPv6: 12,000 • LPM: 128,000 • Policy: 8,000 • Multicast: 8,000 	<ul style="list-style-type: none"> • EP MAC: 24,000 • EP IPv4: 24,000 • EP IPv6: 12,000 • LPM: 128,000 • Policy: 8,000 • Multicast: 8,000

Scale Profile	Scale for EX and FX2 Switches	Scale for FX and GX Switches
IPv4 Scale	<ul style="list-style-type: none">• EP MAC: 48,000• EP IPv4: 48,000• EP IPv6: 0• LPM: 38,000• Policy: 64,000• Multicast: 8,000	<ul style="list-style-type: none">• EP MAC: 48,000• EP IPv4: 48,000• EP IPv6: 0• LPM: 38,000• Policy: 64,000• Multicast: 8,000