



Forwarding Scale Profiles Information for Cisco APIC Release 4.2(1)

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Supported Platforms

This section provides forwarding scale profiles hardware support information for Release 4.2(1).

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 Switches
High Policy	No	Only supported on 93180YC-FX 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

- 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
- The **High Policy** profile is supported only on the following switches:
 - Cisco Nexus 93180YC-FX 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 Release 4.2(1).



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

Scale Profile	Scale for EX and FX2 Switches	Scale for FX Switches
High Policy	Not supported	Note High Policy profile is supported only on the N9K-C93180YC-FX switches with 32GB of RAM. <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

Scale Profile	Scale for EX and FX2 Switches	Scale for FX Switches
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
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

