# Forwarding Scale Profiles Information for Cisco APIC Release 4.2(3)


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# Supported Platforms

This section provides forwarding scale profiles hardware support information for Release 4.2(3l) and later releases. 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<br>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(3l). 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 Release 4.2(3l) and later releases. 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.

| Scale Profile | Scale for EX and FX2 Switches | Scale for FX and GX Switches |
|---|---|---|
| High Policy | Not supported | **Note** High Policy profile is supported only on the N9K-C93180YC-FX, N9K-C93600CD-GX, and N9K-C9364C-GX switches with 32GB of RAM.<br>• EP MAC: 24,000<br>• EP IPv4: 24,000<br>• EP IPv6: 12,000<br>• LPM: 20,000<br>• Policy: 256,000<br>• Multicast: 8,000 |

| Scale Profile | Scale for EX and FX2 Switches | Scale for FX and GX Switches |
|---|---|---|
| Dual Stack | • EP MAC: 24,000<br>• EP IPv4: 24,000<br>• EP IPv6: 12,000<br>• LPM: 20,000<br>• Policy: 64,000<br>• Multicast: 8,000 | • EP MAC: 24,000<br>• EP IPv4: 24,000<br>• EP IPv6: 12,000<br>• LPM: 20,000<br>• Policy: 64,000<br>• Multicast: 8,000 |
| High Dual Stack | • EP MAC: 64,000<br>• EP IPv4: 64,000<br>• EP IPv6: 24,000<br>• LPM: 38,000<br>• Policy: 8,000<br>• Multicast: 512 | • EP MAC: 64,000<br>• EP IPv4: 64,000<br>• EP IPv6: 48,000<br>• LPM: 38,000<br>• Policy: 128,000<br>• Multicast: 32,000 |
| High LPM | • EP MAC: 24,000<br>• EP IPv4: 24,000<br>• EP IPv6: 12,000<br>• LPM: 128,000<br>• Policy: 8,000<br>• Multicast: 8,000 | • EP MAC: 24,000<br>• EP IPv4: 24,000<br>• EP IPv6: 12,000<br>• LPM: 128,000<br>• Policy: 8,000<br>• Multicast: 8,000 |
| IPv4 Scale | • EP MAC: 48,000<br>• EP IPv4: 48,000<br>• EP IPv6: 0<br>• LPM: 38,000<br>• Policy: 64,000<br>• Multicast: 8,000 | • EP MAC: 48,000<br>• EP IPv4: 48,000<br>• EP IPv6: 0<br>• LPM: 38,000<br>• Policy: 64,000<br>• Multicast: 8,000 |