



Cisco Nexus 3000 Series NX-OS Verified Scalability Guide, Release 7.0(3)I7(9)

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Introduction

The values provided in this guide should not be interpreted as theoretical system limits for Cisco Nexus 3000 Series hardware or Cisco NX-OS software. These limits refer to values that have been validated by Cisco. They can increase over time as more testing and validation is done.

Verified Scalability Limits

The tables in this section list the Cisco verified scalability limits for Cisco NX-OS Release 7.0(3)I7(9). The values that are provided in these tables focus on the scalability of one particular feature at a time.

Each number is the absolute maximum that is currently supported by this Cisco NX-OS release for the corresponding feature. If the hardware is capable of a higher scale, future software releases might increase this verified maximum limit. Results might differ from the values that are listed here when trying to achieve maximum scalability with multiple features enabled.



Note

- If the verified maximum values are exceeded in an ALPM or a non-ALPM mode, you get a table full syslog even in the hash collision scenario.
- For Verified Maximum, 16 path ECMP is tested with 40K IPv4 and 40K IPv6.
- If your scale requirements exceed either the Verified Topology or the Verified Maximum limit, please contact your Cisco representative. Based on your requirements, it may be possible to validate support for your requirement, as long as the scale capability of the hardware is not exceeded.

Table 1: Unicast Routing Verified Scalability Limits (Unidimensional)

Feature	3000 Platform Verified Limit	3100 Platform Verified Limit (ALPM Mode)	3100 Platform Verified Limit (Non-ALPM Mode)	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3232C Platform Verified Limit	3264Q-S Platform Verified Limit
Active VLANs per switch	507 (RSTP) and 4000 (MSTP)	Not applicable	Not applicable	507 (RSTP) and 4013 (MSTP)	507 (RSTP) and 4013 (MSTP)	507 (RSTP) and 4013 (MSTP)	507 (RSTP) and 4013 (MSTP)	507 (RSTP) and 4013 (MSTP)	507 (RSTP) and 4013 (MSTP)	500 (RSTP) and 3900 (MSTP)	500 (RSTP) and 3900 (MSTP)
BFD neighbors	64	64	Not applicable	104	104	104	104	104	104	256	Not applicable
BFDv6 neighbors	64	64	Not applicable	104	104	104	104	104	104	256	Not applicable
BGP neighbors	141	141	Not applicable	140	140	140	140	140	140	256	Not applicable

Feature	3000 Platform Verified Limit	3100 Platform Verified Limit (ALPM Mode)	3100 Platform Verified Limit (N-ALPM Mode)	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3232C Platform Verified Limit	3264Q-S Platform Verified Limit
BGPv4 neighbors (vPC)	141	141	Not applicable	128	128	128	140	141	141	256	Not applicable
BGPv4 neighbors (non-vPC)	141	Not applicable	Not applicable	141	141	141	141	141	141	Not applicable	Not applicable
BGPv6 (vPC)	128	128	Not applicable	128	128	128	128	128	128	256	Not applicable
BGPv6 (non-vPC)	128	128	Not applicable	128	128	128	128	128	128	Not applicable	Not applicable
BGP6	128	128	Not applicable	128	128	128	128	128	128	256	Not applicable
Configurable QoS groups	8	Not applicable	Not applicable	8	8	8	8	8	8	8	8
EtherChannel Members	32	Not applicable	Not applicable	32	32	32	24	24	24	32	32
ECMP paths	16	16	16	16	16	16	16	16	16	16	16
ECMP	64-way	64-way	Not applicable	64-way	64-way	64-way	64-way	64-way	64-way	64-way	64-way
HSRP	500	500	Not applicable	500	500	500	500	500	500	400	500
HSRPv6	500	500	Not applicable	500	500	500	490	490	490	400	400
IGMP Snooping groups	8,000	Not applicable	Not applicable	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000

Feature	3000 Platform Verified Limit	3100 Platform Verified Limit (ALPM Mode)	3100 Platform Verified Limit (NonALPM Mode)	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3232C Platform Verified Limit	3264Q-S Platform Verified Limit
IPv4 hosts	8,000 (Nexus 3064PQ) 16,000 (All other Nexus 3000 Series platforms)	8,000 (Nexus 3064PQ) 16,000 (All other Nexus 3000 Series platforms)	Not applicable	16,384 (Multicast is 0.)	16,384 (Multicast is 0.)	16,384 (Multicast is 0.)	16,384 (Multicast is 0.)	16,384 (Multicast is 0.)	16,384 (Multicast is 0.)	104,000 - Default system routing mode (hash table and there will be more collisions after 80%)	Not applicable
IPv6 host routes	8,000	8,000	Not applicable	4,096 (4096 is reserved for multicast)	4,096 (4096 is reserved for multicast)	4,096 (4096 is reserved for multicast)	4,096 (4096 is reserved for multicast)	4,096 (4096 is reserved for multicast)	4,096 (4096 is reserved for multicast)	52,000 - Default system routing mode	Not applicable
IPv4 LPM routes (No IPv6 carving)	16,000 (with system urpf disabled) and 8192 (with system urpf enabled)	128,000 (with system urpf disabled) and 64K (with system urpf enabled)	16,000 (with system urpf disabled) and 8K (with system urpf enabled)	15,360 (with system urpf disabled) and 7680 (with system urpf enabled)	15,360 (with system urpf disabled) and 7680 (with system urpf enabled)	15,360 (with system urpf disabled) and 7680 (with system urpf enabled)	15,360 (with system urpf disabled)	15,360 (with system urpf disabled)	15,360 (with system urpf disabled)	12,000 - Default system routing mode	Not applicable
IPv6 LPM routes (No IPv6 carving)	80,000 (with system urpf disabled) 20K (with system urpf enabled)	80,000 (with system urpf disabled) 20K (with system urpf enabled)	0 (with both, system urpf disabled and enabled)	Not applicable	Not applicable	Not applicable	Not applicable	6144 (with system urpf disabled)	6144 (with system urpf disabled)	6,000	6,144 (with system urpf disabled)

Feature	3000 Platform Verified Limit	3100 Platform Verified Limit (ALPM Mode)	3100 Platform Verified Limit (N-ALPM Mode)	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3232C Platform Verified Limit	3264Q-S Platform Verified Limit
IPv6 LPM <=64 (no IPv6 carving)	8,000 (with system urpf disabled) and 4,000 (with system urpf enabled)	8,000 (with system urpf disabled) and 4,000 (with system urpf enabled)	8,000 (with system urpf disabled) and 4,000 (with system urpf enabled)	6,144 (with system urpf disabled) and 2,048 (with system urpf enabled)	6,144(with system urpf disabled) and 2,048 (with system urpf enabled)	6,144 (with system urpf disabled) and 2,048 (with system urpf enabled)	6,144 (with system urpf disabled)	6,144 (with system urpf disabled)	6,144 (with system urpf disabled)	6,144 (with system urpf disabled)	6,144 (with system urpf disabled)
IPv6 LPM >64 and <=127	8,000 (with system urpf disabled) and 4,000 (with system urpf enabled)	8,000 (with system urpf disabled) and 4,000 (with system urpf enabled)	Not applicable	256 (with system urpf disabled) and 128 (with system urpf enabled)	256 (with system urpf disabled) and 128 (with system urpf enabled)	256 (with system urpf disabled) and 128 (with system urpf enabled)	Not applicable	1024	1024	1024	1024
IPv4 LPM routes (IPv6 carve value 1024)	Not applicable	96,000 (with system urpf disabled)	12,000 (with system urpf disabled) and 6,000 (with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IPv6 LPM routes (IPv6 carve value 1024)	Not applicable	5,000 (with system urpf disabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Feature	3000 Platform Verified Limit	3100 Platform Verified Limit (ALPM Mode)	3100 Platform Verified Limit (NonALPM Mode)	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3232C Platform Verified Limit	3264Q-S Platform Verified Limit
IPv6 LPM <=64 (IPv6 carve value 1024)	Not applicable	Not applicable	6,000 (with system urpf disabled) and 2,000 (with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IPv6 LPM >64 (IPv6 carve value 1024)	Not applicable	Not applicable	1,024 (with system urpf disabled) and 512 (with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IPv4 LPM routes (IPv6 carve value 2048)	Not applicable	64,000 (with system urpf disabled) 32,000 (with system urpf enabled)	8,000 (with system urpf disabled) and 4,000 (with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Feature	3000 Platform Verified Limit	3100 Platform Verified Limit (ALPM Mode)	3100 Platform Verified Limit (N-ALPM Mode)	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3232C Platform Verified Limit	3264Q-S Platform Verified Limit
IPv6 LPM routes (IPv6 carve value 2048)	Not applicable	5,000 (with system urpf disabled) 2,000 (with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IPv6 LPM <=64 (IPv6 carve value 2048)	Not applicable	Not applicable	4,000 (with system urpf disabled) and 2,000 (with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IPv6 LPM >64 (IPv6 carve value 2048)	Not applicable	Not applicable	2,000 (with system urpf disabled) and 1,000 (with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IPv4 LPM routes (IPv6 carve value 3072)	Not applicable	32,000 (with system urpf disabled)	4,000(with system urpf disabled) and 2,000(with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Feature	3000 Platform Verified Limit	3100 Platform Verified Limit (ALPM Mode)	3100 Platform Verified Limit (NonALPM Mode)	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3232C Platform Verified Limit	3264Q-S Platform Verified Limit
IPv6 LPM routes (IPv6 carve value 3072)	Not applicable	15,000 (with system urpf disabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IPv6 LPM <=64 (IPv6 carve value 3072)	Not applicable	Not applicable	2,000 (with system urpf disabled) and 0 (with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IPv6 LPM >64 (IPv6 carve value 3072)	Not applicable	Not applicable	3,072 (with system urpf disabled) and 0 (with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IPv4 LPM Routes (IPv6 carve value 4096)	Not applicable	Not applicable	0 (with both, system urpf disabled and enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IPv6 LPM <=64 (IPv6 carve value 4096)	Not applicable	Not applicable	0 (with both, system urpf disabled and enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Feature	3000 Platform Verified Limit	3100 Platform Verified Limit (ALPM Mode)	3100 Platform Verified Limit (N-ALPM Mode)	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3232C Platform Verified Limit	3264Q-S Platform Verified Limit
IPv6 LPM >64 (IPv6 carve value 4096)	Not applicable	Not applicable	4,096 (with system urpf disabled) and 2,048 (with system urpf enabled)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Layer 3 physical interfaces	Not applicable	Not applicable	64	64	64	64	24	24	24	24	24
Layer 3 SVI, subinterfaces, Eth-Channels	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024
MAC table size (non-vPC)	128,000	Not applicable	Not applicable	131,072	131,072	131,072	98000	98000	Not applicable	30,000	30,000
MAC table size (vPC)	40,000	Not applicable	Not applicable	131,072	131,072	131,072	98,000	98,000	98,000	30,000	30,000
MST instances	65	Not applicable	Not applicable	65	65	65	65	65	65	64	64
MTU	Not applicable	Not applicable	Not applicable	9,216	9,216	9,216	9,216	9,216	9,216	Not applicable	Not applicable

Feature	3000 Platform Verified Limit	3100 Platform Verified Limit (ALPM Mode)	3100 Platform Verified Limit (NonALPM Mode)	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3232C Platform Verified Limit	3264Q-S Platform Verified Limit
Multicast routes	4,000 (Nexus 3064PQ) 8,000 (All other Nexus 3000 Series platforms) (hash table and there will be more collisions after 80%)	4,000 (Nexus 3064PQ) 8,000 (All other Nexus 3000 Series platforms) (hash table and there will be more collisions after 80%)	Not applicable	8,000 routes (hash table and there will be more collisions after 80%)	8,000 routes (hash table and there will be more collisions after 80%)	8,000 routes (hash table and there will be more collisions after 80%)	8,000 routes (hash table and there will be more collisions after 80%)	8,000 routes (hash table and there will be more collisions after 80%)	8,000 routes (hash table and there will be more collisions after 80%)	8,000 routes (hash table and there will be more collisions after 80%)	Not applicable
Number of switch port Channels	64	Not applicable	Not applicable	32	32	32	10	10	10	32	32
Number of system logging destination ports	8	Not applicable	Not applicable	8	8	8	8	8	8	8	8
OSPF neighbors	Not applicable	Not applicable	128	128	128	128	128	128	128	128	128
OSPFv3	Not applicable	Not applicable	128	128	128	128	Not applicable	128	128	128	128
sFlow	64	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
SNMP Servers	Not applicable	Not applicable	Not applicable	8	8	8	8	8	8	10	10
SPAN sessions	2 active sessions	Not applicable	Not applicable	2 active sessions	2 active sessions	2 active sessions	2 active sessions	2 active sessions	2 active sessions	2 active sessions	2 active sessions

Feature	3000 Platform Verified Limit	3100 Platform Verified Limit (ALPM Mode)	3100 Platform Verified Limit (N-ALPM Mode)	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3232C Platform Verified Limit	3264Q-S Platform Verified Limit
SSH	Not applicable	Not applicable	Not applicable	32	32	32	32	32	32	32	32
STP logical interfaces	9,000	Not applicable	Not applicable	9,000	9,000	9,000	9,000	9,000	9,000	12,000	12,000
TCAM entries for ACL	1,664 ingress and 1,024 egress	Not applicable	Not applicable	2,048 ingress and 512 egress	2,048 ingress and 512 egress	2,048 ingress and 512 egress	2,048 ingress and 512 egress	2,048 ingress and 512 egress	2,048 ingress and 512 egress	768 ingress and 768 egress	768 ingress and 768 egress
Telnet session	Not applicable	Not applicable	Not applicable	64	64	64	64	64	64	32	32
VRF	1,000	1,000	Not applicable	1,000	1,000	1,000	1,000	1,000	1,000	2,000	1,000
VRRP	255	255	Not applicable	255	255	255	255	255	255	255	255



Note

- The IPv4/IPv6 host routes and the IPv4 multicast routes share the same hardware table. Limits are provided for both the default line card mode and the max host line card mode.
- You can configure up to 2034 Layer 2 VNIs with 32 static ingress replication peers on the following Cisco Nexus 3000 Series platforms
 - C3132Q-V
 - C31108TC-V
 - C31108PC-V

Table 2: VXLAN Verified Scalability Limits

Feature	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3172Q Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3264C-E Platform Verified Limit
VXLAN Flood and Learn						
Layer 2 VNI	640	640	640	640	640	640

Feature	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3172Q Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3264C-E Platform Verified Limit
Underlay multicast groups	128	128	128	128	128	128
Total MAC addresses	64,000	64,000	64,000	64,000	64,000	64,000
VTEPS	128	128	128	128	128	128
Ingress replication peers	128	128	128	128	128	128
Ingress replication Layer 2 VNIs	384	384	384	384	384	384
MAC addresses for ingress replication	64,000	64,000	64,000	64,000	64,000	64,000
Local MAC (MAC on vpc leg)	64,000		64,000	64,000	64,000	64,000
Port VLAN translations in a switch	100	100	100	100	100	100
VXLAN BGP eVPN						
Layer 2VNI	Not applicable	640	Not applicable	640	640	Not applicable
Layer 3 VNI/VRFs	Not applicable	160	Not applicable	160	160	Not applicable
Underlay multicast groups	Not applicable	320	Not applicable	320	320	Not applicable
VTEPs	Not applicable	32	Not applicable	32	32	Not applicable
Local MAC (MAC on vpc/access leg)	Not applicable	64,000	Not applicable	64,000	64,000	Not applicable
IPv4 host routes	Not applicable	8,000	Not applicable	8,000	8,000	Not applicable
IPv6 host routes	Not applicable	4,000	Not applicable	4,000	4,000	Not applicable
Overlay IPv4 LPM routes	Not applicable	8000	Not applicable	8000	8000	Not applicable

Feature	3132Q Platform Verified Limit	3132Q-V Platform Verified Limit	3172Q Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3264C-E Platform Verified Limit
Overlay IPv6 LPM routes	Not applicable	4000	Not applicable	4000	4000	Not applicable
VXLAN BGP eVPN Ingress Replication						
Layer 2 VNI	Not applicable	640	Not applicable	640	640	Not applicable
Underlay multicast groups	Not applicable	320	Not applicable	320	320	Not applicable
VTEPs	Not applicable	32	Not applicable	32	32	Not applicable
MAC addresses	Not applicable	64,000	Not applicable	64,000	64,000	Not applicable
IPv4 host routes	Not applicable	8000	Not applicable	8000	8000	Not applicable
IPv6 host routes	Not applicable	4000	Not applicable	4000	4000	Not applicable
Overlay IPv4 LPM routes	Not applicable	8000	Not applicable	8000	8000	Not applicable
Overlay IPv6 LPM routes	Not applicable	4000	Not applicable	4000	4000	Not applicable

Verified Topology Limits

The tables in this section list the verified scaling capabilities with all listed features enabled at the same time. The scale numbers listed here exceed those used by most customers in their topologies. These numbers are not the maximum verified values if each feature is viewed in isolation.



Note

- The scale numbers in the Verified Topology Limits tables are for the Non-ALPM mode and the default IPv6 LPM carve value is 256 for all the platforms, except for the 3064 and the 3548P platforms.
- For the verified topology scale numbers for 3132Q platform, refer to the scale numbers for 3132Q-X platform since they are identical for both these platforms.
- All the scale numbers are with Unicast RPF disabled.
- The verified topology scale numbers for the 3548P platform are based on the warp mode configuration with default LPM/Host/L2/multicast carving.

Table 3: Verified Topology Limits

Feature	3064 Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3548P Platform Verified Limit
Active VLANs per switch	507 (MSTP)	507 (MSTP)	507 (MSTP)	507 (MSTP)	507 (MSTP)	507 (MSTP)	205(RSTP)
BFD neighbors	64	64	64	64	64	64	2
BGPv4 neighbors Note These values are for vPC only	97	97	128	97	97	97	13
BGPv6 Note These values are for vPC only.	33	33	64	33	33	33	Not applicable
EtherChannel Members	18	16	16	18	10	16	12
ECMP	32-way	32-way	32-way	32-way	32-way	32-way	Not applicable
HSRP	100	100	100	100	100	100	50
HSRPv6	100	100	100	100	100	100	Not applicable
IGMP Snooping groups	1000	1000	1000	1000	1000	1000	1500
IPv4 hosts	4000	4000	4000	4000	4000	4000	4000
IPv6 host routes	1500 (with system urpf disabled)	1400	1400	1400	1100	1300	Not applicable
Layer 3 interfaces	360	355	355	355	355	355	100
MAC table size (vPC)	40,000	40,000	42,700	40,000	40,000	40,000	4600

Feature	3064 Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3548P Platform Verified Limit
MST instances	65	65	65	65	65	65	Not applicable
Multicast routes	2000	2000 routes (without TCAM carving)	2200 routes (without TCAM carving)	2000 routes	2000 routes	2000 routes	3200
Multicast NAT translations	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	400
Number of switch port EtherChannels	8	7	7	8	8	7	5
OSPF neighbors	8	9	9	9	8	8	3
OSPFv3	8	9	9	9	8	8	Not applicable
PBR entries	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	50
STP logical interfaces	395 (MST mode)	329 (MST mode)	329 (MST mode)	395 (MSTP)	395 (MSTP)	200 (MSTP)	415 (RSTP)
Unicast NAT translations	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	250
VRF	2	2	2	2	2	2	13
VRRP	Not applicable	Not applicable	Not applicable	Not applicable	100	100	50
VRRPv3	200	200	200	200	100	100	Not applicable

Table 4: Verified Topology Limits

Feature	3064 Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit	3548P Platform Verified Limit
IPv4 LPM routes (No IPv6 carving)	4000	4000	4000	4000	4000	4000	2000
IPv6 LPM <=64	4000	4000	4000	4000	4000	4000	Not applicable
IPv6 LPM >64 and <=127	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Table 5: Verified Topology Limits

Feature	3064 Platform Verified Limit	3132Q-V Platform Verified Limit	3132Q-X Platform Verified Limit	3172PQ Platform Verified Limit	31108PC-V Platform Verified Limit	31108TC-V Platform Verified Limit
VXLAN Flood and Learn						
Overlay MAC addresses	Not applicable	Not applicable	2000	Not applicable	Not applicable	Not applicable
Layer 2 VNI	Not applicable	Not applicable	200	Not applicable	Not applicable	Not applicable
Underlay multicast groups	Not applicable	Not applicable	100	Not applicable	Not applicable	Not applicable
Ingress replication peers	Not applicable	Not applicable	100	Not applicable	Not applicable	Not applicable
Ingress replication Layer 2 VNIs	Not applicable	Not applicable	100	Not applicable	Not applicable	Not applicable

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