



CHAPTER 8

Configuration Limits

This section lists the Cisco Nexus 1000V configuration limits.

| Component | Supported Limit | |
|---------------------------------------|-----------------|-----------------|
| Maximum Modules | 66 | |
| Virtual Ethernet (VEM) | 64 | |
| Virtual Supervisor (VSM) | 2 | |
| Hosts | 64 | |
| Active VLANs across all VEMs | 512 | |
| MACs over VLAN within a VEM | 1024 (1K) | |
| vEthernet interfaces per port profile | 1024 (1K) | |
| PVLAN | 512 | |
| | Per DVS | Per Host |
| Virtual Service Domains (VSD) | 64 | 6 |
| VSD Interfaces | 2048 | 214 |
| vEthernet interfaces | 2K | 216 |
| Port Profiles | 256 | — |
| System Port Profiles | — | 16 |
| Port Channel | 256 | 8 |
| Physical Trunks | 512 | — |
| Physical NICs | — | 32 |
| vEthernet Trunks | 256 | 8 |
| ACL | 128 | 16 ¹ |
| ACEs per ACL | 128 | 16 ¹ |
| ACL Interfaces | 2048 | 256 |
| NetFlow Policies | 32 | 8 |
| NetFlow Interfaces | 256 | 32 |
| SPAN/ERSPAN Sessions | 64 | 4 |
| QoS Policy-Map | 128 | 16 |

Send document comments to nexus1k-docfeedback@cisco.com.

| Component | Supported Limit | |
|------------------|------------------------|-----|
| QoS Class-Map | 1024 | 128 |
| QoS Interfaces | 2048 | 256 |
| Port Security | 1600 | 216 |
| MultiCast Groups | 512 | 64 |

1. This number can be exceeded if VEM has available memory.