



CHAPTER 8

Configuration Limits

Table 8-1 Configuration Limits for Cisco Nexus 1000V

Component	Supported Limit	
Maximum Modules	66	
Virtual Ethernet (VEM)	64	
Virtual Supervisor (VSM)	2	
Data Center per VSM	1	
Active VLANs across all VEMs	2048 (2K)	
MACs per VEM	16000 (16K)	
MACs per VLAN per VEM	4000 (4K)	
vEthernet interfaces per port profile - static binding type	1024 (1K)	
PVLAN	512	
vCenter Server connections	1 per VSM ¹	
Characters per port-profile attribute	255	
	Per DVS	Per Host
Virtual Service Domains (VSDs)	64	6
VSD interfaces	2048	214
vEthernet interfaces	2K	216
Port profiles	2048	—
System port profiles	32	32
Port channels	256	8
Physical NICs/trunks	512	32
vEthernet trunks	256	8
ACLs	128	16 ²
ACEs per ACL	128	16 ²
ACL Interfaces	2048	256
NetFlow policies	32	8
NetFlow interfaces	256	32

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Table 8-1 Configuration Limits for Cisco Nexus 1000V (continued)

Component	Supported Limit	
SPAN/ERSPAN sessions	64	64
QoS policy maps	128	16
QoS class maps	1024	128
QoS interfaces	2048	256
Port security	2000	216
MultiCast groups	512	512

1. Only one connection to vCenter Server is permitted at a time.
2. This number can be exceeded if VEM has available memory.