



Cisco Nexus 1000V for Microsoft Hyper-V Verified Scalability Guide, Release 5.x

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This document describes verified configuration limits for Cisco Nexus 1000V for Microsoft Hyper-V.

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Contents

This document includes the following sections:

- [Introduction, page 1](#)
- [Configuration Limits for Nexus 1000V for Microsoft Hyper-V, page 2](#)

Introduction

Cisco Nexus 1000V for Microsoft Hyper-V extends the Nexus 1000V virtual networking capabilities to the Windows Server 2012 virtualization platform from Microsoft. The management component of the Microsoft virtualization solution is known as SCVMM (System Center Virtual Machine Manager).



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Configuration Limits for Nexus 1000V for Microsoft Hyper-V

Table 1 Configuration Limits for Nexus 1000V for Microsoft Hyper-V

Component	Supported Limits for Cisco Nexus 1000V for Microsoft Hyper-V	
	Per Logical Switch	Per VEM
Maximum Modules	66	
Virtual Ethernet Module (VEM)	64	
Virtual Supervisor Module (VSM)	2 VSMs in an HA Pair	
SCVMM Server Datacenters per VSM	1	
Hosts	64	
MACs per VEM	32000	
MACs per VLAN per VEM	4000	
Max Fabric Network	2000	
Active VLANs across Nexus 1000V logical switch	2000	
Max network segment pool	2000	
Max network segment	2000	
Max system network segment	32	
vEthernet interfaces per port profile	1024	
Port profiles	2048	
System port profiles	32	
Max IP pool template	2000	
PVLAN	512	
vEthernet interfaces	2048	216
Port channel	256	8
Physical NICs	512	32
ACL	128	
ACEs per ACL	128	
ACL interfaces	2048	216
NetFlow policies	32	8
NetFlow interfaces	2048	216
NetFlow monitors	64	
Port security interfaces	2048	216
MultiCast groups	512	512
SPAN/ERSPAN sessions	64	4
QoS policy map	128	128
QoS class map	1024	1024
QoS interfaces	2048	216

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Component	Supported Limits for Cisco Nexus 1000V for Microsoft Hyper-V
QoS match criteria per class-map	32
QoS class-maps per policy map	64

