



System Requirements

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Server Requirements

Networking Requirements

The following table describes the minimum networking requirements that the hosts in your Cisco Nexus 1000V for KVM deployment must meet.

Table 1: Minimum Networking Requirements for Hosts

Host	Networking Requirement
Installer	<ul style="list-style-type: none">• Provisioning interface• Public network interface (Access to the Internet.)• IPMI network interface
Controller	<ul style="list-style-type: none">• Provisioning interface• IPMI interface
Compute	<ul style="list-style-type: none">• Provisioning interface• IPMI interface• Data interface

Host	Networking Requirement
Networker	<ul style="list-style-type: none"> • Provisioning interface • IPMI interface • Data interface
HA Controller ¹	<ul style="list-style-type: none"> • Provisioning interface • IPMI interface • Data interface
VSM	<ul style="list-style-type: none"> • Provisioning interface • IPMI interface

¹ Used only in an OpenStack High-Availability deployment. An HA Controller combines the functions of the controller and the networker. Therefore, it must have a provisioning interface, IPMI interface, and at least one data interface.

Hardware Requirements

The following tables list the minimum hardware requirements for deploying the Cisco Nexus 1000V for KVM.

Table 2: Minimum Hardware Requirements

Node	Memory (GB)	Hard Drive (GB)	CPU or vCPU	Node Type
Compute	24	50	2	Server
Network	24	10	2	Server
VSM	4	4	2	VM
VXLAN Gateway as a VM on compute node	4	10	2	VM

Supported Software

Cisco Nexus 1000V for KVM with supports the software in the following table.

Name	Supported Versions
RHEL (for OpenStack Platform Installer hosts)	6.6

Name	Supported Versions
RHEL (for provisioning hosts)	7.0
OpenStack	Icehouse

**Note**

Depending on your specific Cisco Nexus 1000V for KVM release, it is your responsibility to monitor and install all relevant Linux patches on Linux hosts.

Cisco Nexus 1000V for KVM Software Packages

The Cisco Nexus 1000V for KVM software packages are available from two locations: Cisco.com and the Cisco Yum repository. The following table lists the package name and version.

Package Name	Version
VSM	5.2.1.SK3.2.1
VEM	5.2.1.SK3.2.1
VXLAN-GATEWAY	5.2.1.SK3.2.1

