CISCO
The bridge to possible

Cisco Enterprise NFV Open Ecosystem and Partner VNFs

Contents

Cisco's open-ecosystem approach to Network Functions Virtualization (NFV) gives customers flexibility to run Virtual Network Functions (VNFs) from Cisco and other partners.

Both Cisco and partners are regularly evolving their software. This leads to the need to ascertain the support matrix between Cisco Enterprise NFV Infrastructure Software (NFVIS) versions and VNF versions. Only the VNF owners can authoritatively provide the support statement based on their own testing for the specific combinations of VNF version + NFVIS version + NFV platform.

To assist partners with their VNF qualification on Cisco NFV platforms, Cisco offers a for-fee testing service. This certification program test suite includes test cases that are common to all VNFs.

VNF owners identify the specific combinations they want to have tested based on their business needs. They are expected to review the test results and then make their own definitive support statements. All VNFs that have successfully passed this certification testing earn a mention on this page.

As a customer deploying Cisco's NFV solution with certified VNFs, you can be confident that the solution will successfully deploy on, run on, and interoperate with Cisco's own suite of VNFs.

Certified VNFs (in alphabetical order)

Partner	Description	Partner URL	VNF version	Cisco NFV platform	Cisco NFV hypervisor	Testing notes
ACCEDIAN	SkyLIGHT PVX is highly scalable, simple to set up, and easy to use. The solution provides real-time, actionable insight into every platform, link, app, and user across complex, multicloud deployments to deliver an unprecedented and transformative level of visibility.	https://accedian.com/enterprises/products-services/	Accedian SkyLIGHT1.53.0	5400 ENCS	NFVIS 3.8.1	
AVI Networks®	Applications in your data center and your IT operations demand agile, cost-effective load-balancing solutions. The Avi Vantage Platform offers a software-based approach for flexible and elastic application delivery services.	https://avinetworks.com/	Avi 18.1.3		CSP 2.5.1	
			AVI 17.1.1.1	CSP 2100	CSP-OS 2.2.2.23	Jun 2017

Partner	Description	Partner URL	VNF version	Cisco NFV platform	Cisco NFV hypervisor	Testing notes
Check Point SOFTWARE TECHNOLOGIES LTD	Check Point Software Technologies Ltd.'s Infinity architecture and next-generation threat-prevention firewall solutions protect enterprise cloud, data center, network, and Internet of Things (IoT) devices from fifth-generation cyberattacks, with an industry-leading catch rate of malware, ransomware, and advanced targeted threats. CloudGuard Edge protects branch offices' on-premises infrastructure with top-rated threat prevention.	https://www.checkpoint.com/quantum/edge-branch-virtual-security-gateway/	Checkpoint CloudGuard Security Gateway R80.40 Security Management R80.40		CSP 2.7.0	
			Checkpoint CloudGuard Security Gateway R80.30 Checkpoint CloudGuard Edge R77.20.87	5400 ENCS	NFVIS 3.11.2	
CITRIX®	Citrix ADC VPX is an award-winning Application Delivery Controller (ADC), built with a software-first approach to delivering applications across hybrid and multicloud architectures, with deep visibility for an exceptional application experience. It provides flexible delivery services for traditional, containerized, and microservice applications, with exceptional security, superior Layer 4 through 7 load balancing, reliable global server load balancing, and increased uptime.	https://www.citrix.com/products/netscaler-adc/resources/netscaler-vpx.html	Citrix NetScaler VPX NSVPX-KVM-12.0-56.20	CSP 2100	CSP 2.2.3.32	
ctera	The CTERA Enterprise File Services Platform delivers cloud-enabled branch office NAS/file sharing, cross-site collaboration, backup, and disaster recovery in an all-in-one solution optimized for Cisco Enterprise NFV.	https://www.ctera.com/	Ctera 6.0.4	5400 ENCS	NFVIS3.7.1	

Partner	Description	Partner URL	VNF version	Cisco NFV platform	Cisco NFV hypervisor	Testing notes
F5	The BIG-IP product suite is a system of application delivery services that work together on the BIG-IP platform	https://www.f5.com/products/big-ip-services/network-functions-virtualization--nfv--solution-packages	F5 BIG-IP 15.1.0.2	CSP 5000	CSP 2.7.0	Mar 2021
			F5 LTM 12.1.2	5400 ENCS	NFVIS 3.6.1	Oct 2017
			F5 BIG-IP 12.1.2	CSP 2100	CSP-OS 2.2.2.23	Jul 2017
FORTINET	Fortinet's award-winning FortiGate next-generation firewalls provide high-performance, multilayered validated security and granular visibility for end-to-end protection across the enterprise.	https://www.fortinet.com/	Fortinet FortiGate 6.4.10, 7.0.8, 7.2.3	CSP 5000 Series	NFVIS 4.8.1	Dec 2022
			Fortinet FortiGate 6.2.3	5400 ENCS	NFVIS 3.12.3	Jun 2020
			Fortinet FortiGate 5.14	5400 ENCS	NFVIS 3.6.2	
				CSP 2100	CSP-OS 2.2.3.32	
			Fortinet FortiGate 5.6.2		CSP-OS 2.5.2 NFVIS 3.6.2	
InfoVista	InfoVista's Ipanema VNF provides automated, fully integrated application-aware SD-WAN. It gives CIOs features they need to transform unpredictable network conditions into predictable performance for business-critical applications. By combining application visibility and end-to-end Quality of Service (QoS) with dynamic WAN selection, WAN security, and WAN optimization, Ipanema helps enterprises protect business-critical-application performance.	https://www.infovista.com/solutions/Ipanema-SD-WAN?utm_source=partner&utm_medium=cisco	Ipanema VNF vipe_kvm v9.1.6	5400 ENCS	NFVIS 3.6.2	

Partner	Description	Partner URL	VNF version	Cisco NFV platform	Cisco NFV hypervisor	Testing notes
NETSCOUT	Virtual Arbor Edge Defense (vAED) helps secure the internet data-center edge against threats to availability—specifically from application-layer and state-exhaustion Distributed-Denial-of-Service (DDoS) attacks. This on-premises DDoS detection and mitigation solution sits behind the router functionality and applies detection and mitigation to inbound traffic.	https://www.netscout.com/ddos-protection	NETSCOUT_Arbor_Edge_Defense_6.0.1	5400 ENCS	NFVIS 3.8.1	
paloalto NETWORKS	The Palo Alto Networks VM-Series virtual firewall consistently protects public and private clouds, virtualized data centers, and branch environments by delivering inline network security and threat prevention. VM-Series virtual firewalls augment your security posture with the industry-leading threat prevention capabilities of the Palo Alto Networks next-gen firewall in a VM form factor, making it automatable, scalable, and easily deployed	https://docs.paloaltonetworks.com/compatibility-matrix/vm-series-firewalls/vm-series-partner-interoperability	VM-Series 10.1	CSP 5000	NFVIS 4.6.1	Dec 2021
				5400 ENCS	NFVIS 4.6.1	Dec 2021
		Related info: • Set Up the VM-Series Firewall on Cisco CSP • Set Up a VM-Series Firewall on a Cisco ENCS Network	VM-Series 9.1	5400 ENCS	NFVIS 4.6.1	Dec 2021
			VM-Series 9.0.4	5400 ENCS	NFVIS 3.12.3	May 2020
			VM-Series 8.1.3	5400 ENCS	NFVIS 3.12.3	Apr 2020
			VM-Series 8.0.5	5400 ENCS	NFVIS 3.5.1	Jan 2018
			VM-Series: 7.1.4	5400 ENCS	NFVIS 3.5.1	Jan 2018
				CSP 2100	CSP-OS 2.2.2	Aug 2017

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riverbed	Riverbed SteelHead optimizes the entire hybrid enterprise, from on-premises to whichever cloud solution or combination of the hybrid cloud is right for your business. SteelHead empowers IT to strategically manage the hybrid enterprise with optimization, visibility, and control.	https://www.riverbed.com/products/steelhead/virtual.html	Riverbed SteelHead VCX40 9.9.0a	5400 ENCS	NFVIS 3.11.2	

Printed in USA   C83-741911-06   03/23