

# NSX Feature and Edition Guide

VMware NSX 4.1.2

You can find the most up-to-date technical documentation on the VMware by Broadcom website at:

<https://docs.vmware.com/>

**VMware by Broadcom**  
3401 Hillview Ave.  
Palo Alto, CA 94304  
[www.vmware.com](http://www.vmware.com)

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# Overview

# 1

This guide provides information on feature entitlement of the currently and previously sold editions of NSX.

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**Note** With the release of 4.0.0 the product name has changed from "VMware NSX-T Data Center" to "VMware NSX". Some SKU names will retain the "VMware NSX-T Data Center" nomenclature.

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# NSX Edition Summary

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## NSX Editions

- **NSX Networking for VMware Cloud Foundation**

For organizations who need workload connectivity as part of VMware Cloud Foundation. This edition is provided as part of the VMware Cloud Foundation suite and is not sold as a stand-alone product.

- **VMware vDefend Firewall**

VMware vDefend Firewall is a software-defined Layer 2-7 firewall purpose-built to secure virtualized workloads in a private cloud. It provides stateful firewalling capabilities that can be used by organizations to protect against the lateral movement of threats. VMware vDefend Firewall is available in two form factors: a Distributed Firewall that can be deployed at each vSphere workload and a Gateway Firewall that can be deployed on a vSphere host, either as a Virtual Machine (VM) or as an ISO image on a physical server.

Requires purchase of NSX Networking for VMware Cloud Foundation.

- **VMware vDefend Firewall with Advanced Threat Prevention**

VMware vDefend Firewall with Advanced Threat Prevention (ATP) is a software-defined Layer 2–7 firewall purpose-built to secure virtualized workloads in a private cloud. It provides stateful firewalling with threat prevention capabilities that protect organizations against advanced threats. ATP combines multiple detection technologies—Intrusion Detection/Prevention System (IDS/IPS), Network Sandboxing, and Network Traffic Analysis (NTA)—with aggregation, correlation, and context engines from Network Detection and Response (NDR). Requires purchase of NSX Networking for VMware Cloud Foundation.

- **VMware vDefend Advanced Threat Prevention Add-On**

This add-on edition to allow customers to purchase advanced threat prevention functionality and move from VMware vDefend Firewall to VMware vDefend Firewall with Advanced Threat Prevention. With the purchase of this add-on a customer who had VMware vDefend Firewall will have the equivalent features of VMware vDefend Firewall with Advanced Threat Prevention.

## NSX Licensing Model

Each edition of NSX is offered in various types of license models. This includes the following:

License Type	Description
Perpetual License	Perpetual licenses activated by license key.
On-premises Subscription	Subscription licenses activated by license key. Entitlement terminates upon end of subscription.

The license metrics available for NSX editions are as follows:

Metric	Description
CPU	Entitlement based on CPU socket.
Core	Entitlement based on CPU core.
Concurrent User	Entitlement based on concurrent user.
Virtual Machine	Entitlement based on virtual machine.

This table outlines which license model and metric is available for each NSX edition.

Edition	Perpetual License	On-premises Subscription
NSX On-premises Subscription Editions		
NSX Networking for VMware Cloud Foundation	None	Per Core
VMware vDefend Firewall	None	Per Core
VMware vDefend Firewall with Advanced Threat Prevention	None	Per Core
VMware vDefend Advanced Threat Prevention Add-On	None	Per Core

## NSX Editions No Longer Offered for Sale

The following editions are no longer offered for sale. Customers can upgrade these older editions to currently offered editions.

<b>Edition</b>	<b>End of Sale</b>	<b>License Types</b>	<b>Metric</b>	<b>Recommendation</b>
NSX for vSphere	May 2016	Perpetual, On-premises Subscription	CPU	Convert existing licenses to NSX Enterprise and optionally upgrade to NSX Enterprise Plus.
NSX Multi-Hypervisor	2015	Perpetual, On-premises Subscription	CPU, Virtual Machine	Convert existing licenses to NSX Enterprise and optionally upgrade to NSX Enterprise Plus.
NSX Standard (obsolete edition)	June 2018	Perpetual, On-premises Subscription	CPU	Upgrade to NSX Professional, NSX Advanced or NSX Enterprise Plus.
NSX Advanced (obsolete edition)	June 2018	Perpetual, On-premises Subscription	CPU	Convert to NSX Advanced or upgrade to NSX Enterprise Plus.
NSX Enterprise (obsolete edition)	June 2018	Perpetual, On-premises Subscription	CPU	Upgrade to NSX Enterprise Plus.
NSX Data Center Standard	October 29th, 2021	Perpetual, On-premises Subscription	CPU, Concurrent User	Upgrade to NSX Professional, NSX Advanced or NSX Enterprise Plus.
NSX Data Center Professional	October 29th, 2021	Perpetual, On-premises Subscription	CPU, Concurrent User	Expansion on NSX Professional or upgrade to NSX Advanced or NSX Enterprise Plus.
NSX Data Center Advanced	October 29th, 2021	Perpetual, On-premises Subscription	CPU, Concurrent User	Expansion on NSX Advanced or upgrade to NSX Enterprise Plus.
NSX Data Center Enterprise Plus	October 29th, 2021	Perpetual, On-premises Subscription	CPU, Concurrent User	Expansions on NSX Enterprise Plus.
NSX Data Center for Remote Office / Branch Office	October 29th, 2021	Perpetual, On-premises Subscription	Virtual Machine	Expansion on NSX Remote Office / Branch Office.
NSX-T Professional	December 11th, 2023	Perpetual, On-premises Subscription	CPU, Core	
NSX-T Advanced	December 11th, 2023	Perpetual, On-premises Subscription	CPU, Core, Concurrent User	
NSX-T Enterprise Plus	December 11th, 2023	Perpetual, On-premises Subscription	CPU, Core, Concurrent User	
NSX-T Remote Office / Branch Office	December 11th, 2023	Perpetual, On-premises Subscription	Virtual Machine	
NSX Distributed Firewall	December 11th, 2023	On-premises Subscription	Core, Concurrent User	
NSX Distributed Firewall with Threat Prevention	December 11th, 2023	On-premises Subscription	Core, Concurrent User	

<b>Edition</b>	<b>End of Sale</b>	<b>License Types</b>	<b>Metric</b>	<b>Recommendation</b>
NSX Distributed Firewall with Advanced Threat Prevention	December 11th, 2023	On-premises Subscription	Core, Concurrent User	
NSX Firewall for Baremetal Servers	December 11th, 2023	On-premises Subscription	Core	
NSX Gateway Firewall	December 11th, 2023	On-premises Subscription	Core	
NSX Gateway Firewall with Threat Prevention	December 11th, 2023	On-premises Subscription	Core	
NSX Gateway Firewall with Advanced Threat Prevention	December 11th, 2023	On-premises Subscription	Core	

Note: All term subscription CPU socket offerings are no longer offered for sale as of February 3rd, 2023.



# Current NSX Feature Entitlement

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The following tables outline specific functions available by edition. VMware NSX is available as a single download image with license keys required to enable specific functionality.

**Table 3-1. Distributed Security**

Distributed Security	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Distributed Firewall for NSX Switch Ports	No	Yes	Yes
Distributed Firewall for VDS Switch Ports	No	Yes	Yes
Stateful L2 and L3 Rules	No	Yes	Yes
Stateless L2 and L3 Rules	No	Yes	Yes
Distributed FQDN Filtering	No	Yes	Yes
Basic L7 Application Identification Rules	No	Yes	Yes
Advanced L7 Application Identification Rules	No	Yes	Yes
Malicious IP Filtering	No	Yes	Yes
Distributed Flood Protection	No	Yes	Yes
Agent-Based Enforcement for Physical Servers	No	Yes	Yes
Stateful L2 and L3 Rules with DPU Support	No	Yes	Yes
Stateless L2 and L3 Rules with DPU Support	No	Yes	Yes

Table 3-2. Distributed User Identity Firewall

Distributed User Identity Firewall	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Distributed Identity Firewall using Guest Introspection	No	Yes	Yes
Distributed Identity Firewall using Active Directory Event Server	No	Yes	Yes
Distributed Identity Firewall using third-party log sources	No	Yes	Yes

Table 3-3. Distributed Threat Prevention

Distributed Threat Prevention	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Distributed Intrusion Detection Service (IDS)	No	No	Yes
Distributed Behavioral IDS	No	No	Yes
Distributed Intrusion Prevention Service (IPS)	No	No	Yes

Table 3-4. Distributed Advanced Threat Prevention

Distributed Advanced Threat Prevention	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Distributed Malware Detection and Prevention	No	No	Yes
Cloud Sandboxing and Artifact Analysis	No	No	Yes
Network Detection and Response (NDR)	No	No	Yes

Table 3-5. Service Insertion Integrations

Distributed Service Insertion Integrations	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Distributed Endpoint Protection	No	No	No
Distributed Network Introspection for Packet Copy <i>(see footnote 9)</i>	Yes	No	No
Distributed Network Introspection for Security <i>(see footnote 7)</i>	No	No	No

Table 3-6. Policy, Tagging and Grouping

Policy, Tagging and Grouping	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Object Tagging / Security Tags	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Network Centric Grouping	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Workload Centric Grouping	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
IP Based Groups	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
MAC Based Groups	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Tag Based Groups	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-7. Firewall Operations

Firewall Operations	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Firewall Logging	Yes (Stateless Gateway Firewall)	Yes	Yes
Distributed Firewall based IPFIX	No	Yes	Yes
Rule Hit Count, Popularity Index, Flow Statistics	Yes (Stateless Gateway Firewall)	Yes	Yes
Firewall Drafts	No	Yes	Yes

**Table 3-8. Gateway Security**

<b>Gateway Security</b>	<b>NSX Networking for VMware Cloud Foundation</b>	<b>VMware vDefend Firewall</b>	<b>VMware vDefend Firewall with Advanced Threat Prevention</b>
Stateful L3 Rules	No	Yes	Yes
Stateless L3 Rules	Yes	Yes	Yes
Basic L7 Application Identification Rules	No	Yes	Yes
Advanced L7 Application Identification Rules	No	Yes	Yes
URL Filtering	No	Yes	Yes
Gateway Flood Protection	No	Yes	Yes
Edge Bridge Firewall	No	Yes	Yes

**Table 3-9. Gateway User Identity Firewall**

<b>Gateway User Identity Firewall</b>	<b>NSX Networking for VMware Cloud Foundation</b>	<b>VMware vDefend Firewall</b>	<b>VMware vDefend Firewall with Advanced Threat Prevention</b>
Gateway Identity Firewall using Active Directory Event Server	No	Yes	Yes
Gateway Identity Firewall using third-party log sources	No	Yes	Yes

**Table 3-10. Gateway Threat Prevention**

<b>Gateway Threat Prevention</b>	<b>NSX Networking for VMware Cloud Foundation</b>	<b>VMware vDefend Firewall</b>	<b>VMware vDefend Firewall with Advanced Threat Prevention</b>
Gateway TLS Inspection	No	Yes	Yes
Gateway Intrusion Detection Service (IDS)	No	No	Yes
Gateway Intrusion Prevention Service (IPS)	No	No	Yes

Table 3-11. Gateway Advanced Threat Prevention

Gateway Advanced Threat Prevention	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Malware Detection	No	No	Yes
Cloud Sandboxing and Artifact Analysis	No	No	Yes
Malware / File Event Forwarding to NDR	No	No	Yes

Table 3-12. Gateway Service Insertion Integrations

Gateway Service Insertion Integrations	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Gateway Network Introspection for Security (see footnote 7)	No	No	No

Table 3-13. Gateway Firewall High Availability

Gateway Firewall High Availability	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Active/Standby Gateway Network Services	Yes	No	No
Active/Standby Gateway Firewall Services	Yes (Stateless Gateway Firewall)	Yes	Yes
Active/Active Gateway Network Services (e.g. NAT, VPN) (see footnote 9)	Yes	No	No
Active/Active Gateway Firewall Services - Stateless	Yes	Yes	Yes
Active/Active Gateway Firewall Services (e.g. Firewall, IDS/IPS, Malware Detection) (see footnote 9)	No	Yes	Yes

Table 3-14. Switching

Switching	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
vSphere Distributed Switch	Provided by vSphere	Provided by vSphere	Provided by vSphere
VLAN Backed Logical Switching	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-14. Switching (continued)

Switching	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Overlay Backed Logical Switching	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Spoofguard	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
L2 and L3 Multicast ( <i>see footnote 9</i> )	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Enhanced Datapath	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Enhanced Datapath for DPUs	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-15. Routing

Routing	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Distributed Routing	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
IPv4 and IPv6 Static Routing	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
IPv4 and IPv6 BFD	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
IPv4 and IPv6 BGP	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
ECMP	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Virtual Routing and Forwarding (Tier-0 Gateway VRFs)	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
EVPN	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
OSPF v2	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-16. Networking Services

Networking Services	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
NAT	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
L2 VPN	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
IPv4 and IPv6 L3 VPN	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Quality of Service (QoS)	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Edge Bridge for Networking	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Load Balancing for Aria Automation	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Load Balancing for IaaS Control Plane (Supervisor Cluster)	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Load Balancing for VCF Infrastructure Components	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
NSX Load Balancer (see footnote 6)	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-17. DNS, DHCP and IPAM (DDI)

DNS, DHCP and IPAM (DDI)	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
IPAM - Blocks, Subnets, and Pools	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
IPv4 and IPv6 DHCP Server	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
IPv4 and IPv6 DHCP Relay	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
IPv4 DNS Relay / DNS Proxy	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-18. Modern Apps

Modern Apps	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Container Networking with Kubernetes Network Policies	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Container Security with Antrea Network Policies	No	Yes	Yes
Container Security with IDS	No	No	Yes (Tech Preview)
Distributed Load Balancing	Yes	No	No

Table 3-19. Automation

Automation	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
REST API	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
OpenAPI Spec and SDKs (Python and Java)	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Automation Tools (Ansible and Terraform) ( <i>see footnote 5</i> )	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-20. Multi-Tenancy

Multi-Tenancy	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Projects (User Defined) for Networking	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Projects (User Defined) for Security	No	Yes	Yes
NSX VPCs for Networking	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
NSX VPCs for Security	No	Yes	Yes



Table 3-21. Platform

Platform	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Manager / Controller Clustering	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
vCenter Integration	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Multi-vCenter® Networking and Security	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Federation ( <i>see footnote 9</i> )	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Edge in VM Form Factor	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Edge in Bare-Metal Form Factor for Routing ( <i>see footnote 8</i> )	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Edge in Bare-Metal Form Factor for Gateway Firewall ( <i>see footnote 8</i> )	Yes (Stateless Gateway Firewall)	Yes	Yes
DPDK Optimized Forwarding	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Dual Stack (IPv4/IPv6) External Management	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-22. Authentication and Authorization

Authentication and Authorization	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Authentication using Workspace ONE Access ( <i>see footnotes 1 and 4</i> )	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Direct Active Directory Integration via LDAP	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Authentication via OpenLDAP	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Session Based Authentication	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Certificate Based Authentication (Principal Identity)	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Role Based Access Control	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-23. Log Management

Log Management	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Aria Operations for Logs Integration (Plugin) (see footnote 2)	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Splunk Integration (Plugin) (see footnote 3)	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-24. Installation

Installation	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Automated Manager Deployment	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Manual Manager Deployment	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Automated Edge Deployment	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Manual Edge Deployment	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Automated Host Preparation by Cluster	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-25. Operations

Operations	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Port Mirroring	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Traceflow	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
NSX Live Traffic Analysis	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Tunnel Health Monitoring	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Port Connectivity Tool	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Switch Based IPFIX	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
LLDP	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-25. Operations (continued)

Operations	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Automated Technical Support Bundles	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Packet Capture	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Backup and Restore	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
SNMP v1/v2/v3 with Traps	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
Time-Series Metrics for Networking	Yes	No	No
Time-Series Metrics for Security	No	Yes	Yes

Table 3-26. Upgrade and Migration

Upgrade and Migration	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Upgrade Coordinator	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
NSX for vSphere to NSX-T Migration Coordinator	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF
NSX Manager to Policy Promotion	Yes	Provided by NSX Networking for VCF	Provided by NSX Networking for VCF

Table 3-27. Included Product Entitlement

Included Product Entitlement	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
Aria Operations for Logs for NSX	See the VMware Cloud Foundation Datasheet	No	No
Aria Operations for Networks	See the VMware Cloud Foundation Datasheet	No	No
HCX	See the VMware Cloud Foundation Datasheet	No	No
Workspace One Access	See the VMware Cloud Foundation Datasheet	No	No
Avi Load Balancer	No	No	No

Table 3-28. Security Intelligence

Security Intelligence	NSX Networking for VMware Cloud Foundation	VMware vDefend Firewall	VMware vDefend Firewall with Advanced Threat Prevention
VM-to-VM Traffic Flow Analysis	No	Yes	Yes
Firewall Visibility	No	Yes	Yes
Automated Security Policy	No	Yes	Yes
Rule and Group Recommendation Analytics	No	Yes	Yes
Network Traffic Analytics	No	No	Yes

### Footnotes

- 1 Please refer to the Product Interoperability Matrices for specific versions supported with NSX.
- 2 VMware Aria Operations for Logs is not included in these editions. However, it may be included in the VMware Cloud Foundation suite.
- 3 Please refer to the NSX partner website for specific versions.
- 4 VMware Workspace ONE Access is not included in these editions. However, it may be included in the VMware Cloud Foundation suite.
- 5 Integration with automation tools such as VMware Aria Automation, vCloud Director, Ansible, and Terraform is available for all editions of NSX, however, you must have the appropriate NSX edition for the feature which is automated by these tools.
- 6 It is recommended that all customers who need load balancing features purchase Avi Load Balancer. Support for the built-in NSX load balancer for customers using NSX 4.x will remain for the duration of the NSX 4.x release series.
- 7 <https://knowledge.broadcom.com/external/article?legacyId=97043>
- 8 Customers must purchase one core VCF license per CPU core for bare-metal Edge node used.
- 9 This feature is not support in VCF deployments in VMware Cloud on AWS (VMC on AWS), Azure VMware Solution (AVS), Google Cloud VMware Engine (GCVE), Oracle Cloud VMware Solution (OCVS), VMware Cloud on Dell (VMC on Dell), and Alibaba Cloud on VMware Service (ACVS).

# Legacy NSX Feature Entitlement

# 4

The following tables outline specific functions available by edition. NSX is available as a single download image with license keys required to enable specific functionality.

**Table 4-1. Distributed Security**

Distributed Security	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Distributed Firewall for NSX Switch Ports	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
Distributed Firewall for VDS Switch Ports	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
Stateful L2 and L3 Rules	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
Stateless L2 and L3 Rules	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No

Table 4-1. Distributed Security (continued)

Distributed Security	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Distributed FQDN Filtering	No	Yes	Yes	No	Yes	Yes	Yes	No	No	No	No
Basic L7 Application Identification Rules	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
Advanced L7 Application Identification Rules	No	No	No	No	Yes	Yes	Yes	No	No	No	No
Malicious IP Filtering	Yes - Subscription Only	Yes - Subscription Only	Yes - Subscription Only	No	Yes	Yes	Yes	No	No	No	No
Distributed Flood Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
Agent-Based Enforcement for Physical Servers	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No

Table 4-1. Distributed Security (continued)

Distributed Security	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Stateful L2 and L3 Rules with DPU Support	No	No	Yes - Subscription Only	No	No	No	Yes	No	No	No	No
Stateless L2 and L3 Rules with DPU Support	No	No	Yes-Subscription Only	No	No	No	Yes	No	No	No	No

Table 4-2. Distributed User Identity Firewall

Distributed User Identity Firewall	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Distributed Identity Firewall using Guest Introspection	No	Yes	Yes	No	Yes	Yes	Yes	No	No	No	No
Distributed Identity Firewall using Active Directory Event Server	No	Yes	Yes	No	Yes	Yes	Yes	No	No	No	No
Distributed Identity Firewall using third-party log sources	No	No	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes



Table 4-3. Distributed Threat Prevention

Distributed Threat Prevention	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Distributed Intrusion Detection Service (IDS)	No	No	No	No	No	Yes	Yes	No	No	No	No
Distributed Behavioral IDS	No	No	No	No	No	Yes	Yes	No	No	No	No
Distributed Intrusion Prevention Service (IPS)	No	No	No	No	No	Yes	Yes	No	No	No	No

Table 4-4. Distributed Advanced Threat Prevention

	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Distributed Malware Detection and Prevention	No	No	No	No	No	No	Yes	No	No	No	No
Cloud Sandboxing and Artifact Analysis	No	No	No	No	No	No	Yes	No	No	No	No
Distributed IDS Event Forwarding to NDR	No	No	No	No	No	Yes	Yes	No	No	No	No
Network Detection and Response (NDR)	No	No	No	No	No	No	Yes	No	No	No	No

Table 4-5. Service Insertion Integrations

	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Distributed Endpoint Protection	Yes	Yes	Yes	No	No	No	No	No	No	No	No
Distributed Network Introspection	No	Yes	Yes	No	No	No	No	No	No	No	No

Table 4-6. Policy, Tagging and Grouping

	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Object Tagging / Security Tags	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Network Centric Grouping	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Workload Centric Grouping	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-6. Policy, Tagging and Grouping (continued)

Policy, Tagging and Grouping	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
IP Based Groups	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAC Based Groups	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tag Based Rules	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-7. Firewall Operations

Firewall Operations	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Firewall Logging	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Distributed Firewall based IPFIX	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No

Table 4-7. Firewall Operations (continued)

Firewall Operations	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Rule Hit Count, Popularity Index, Flow Statistics	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Firewall Drafts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-8. Gateway Security

Gateway Security	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Stateful L3 Rules	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Stateless L3 Rules	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Basic L7 Application Identification Rules	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes

Table 4-8. Gateway Security (continued)

Gateway Security	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Advanced L7 Application Identification Rules	No	No	No	No	No	No	No	No	Yes	Yes	Yes
URL Filtering	No	No	No	No	No	No	No	No	Yes	Yes	Yes
Gateway Flood Protection	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes

Table 4-9. Gateway User Identity Firewall

Gateway User Identity Firewall	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Gateway Identity Firewall using Active Directory Event Server	No	No	No	No	No	No	No	No	Yes	Yes	Yes
Gateway Identity Firewall using third-party log sources	No	No	No	No	No	No	No	No	Yes	Yes	Yes

**Table 4-10. Gateway Threat Prevention**

Gateway Threat Prevention	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Gateway TLS Inspection	No	No	No	No	No	No	No	No	Yes	Yes	Yes
Gateway Intrusion Detection Service (IDS) - Behavioral	No	No	No	No	No	No	No	No	No	Yes	Yes
Gateway Intrusion Prevention Service (IPS)	No	No	No	No	No	No	No	No	No	Yes	Yes



Table 4-11. Gateway Advanced Threat Prevention

Gateway Advanced Threat Prevention	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Malware Detection	No	No	No	No	No	No	No	No	No	No	Yes
Cloud Sandboxing and Artifact Analysis	No	No	No	No	No	No	No	No	No	No	Yes
Malware / File Event Forwarding to NDR	No	No	No	No	No	No	No	No	No	No	Yes

Table 4-12. Gateway Service Insertion Integrations

Gateway Service Insertion Integrations	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Gateway Network Introspection	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No

Table 4-13. Gateway Firewall High Availability

Gateway Firewall High Availability	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Active/Standby Gateway Firewall Services	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Active/Active Gateway Firewall Services	No	No	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-14. NAT

NAT	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
NAT on North/South and East/West Logical Routers	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Source NAT	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Destination NAT	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
NAT N:N	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Stateless NAT	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
NAT Logging	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
NAT64	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Active / Active NAT Services	No	No	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-15. VPN

VPN	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
L2 VPN	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
IPv4 L3 VPN	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
IPv6 L3 VPN	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-16. Switching

Switching	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
vSphere Distributed Switch	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
VLAN Backed Logical Switching	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overlay Backed Logical Switching	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Multiple TEP Support	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-16. Switching (continued)

Switching	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Spoofguard	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No
LACP (Edge and Host)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
L2 Multicast	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
L3 Multicast	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Enhanced Datapath - Standard	No	Yes	Yes	No	No	No	No	No	No	No	No
Enhanced Datapath - Performance	No	Yes	Yes	No	No	No	No	No	No	No	No
Enhanced Datapath - Standard for DPUs (see footnote 7)	No	Yes - Subscription Only	Yes - Subscription Only	No	No	No	No	No	No	No	No

Table 4-16. Switching (continued)

Switching	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Enhanced Datapath - Performance for DPUs	No	No	Yes - Subscription Only	No	No	No	No	No	No	No	No
Uniform Passthrough for DPUs	No	No	Yes - Subscription Only	No	No	No	No	No	No	No	No

Table 4-17. Quality of Service (QoS)

Quality of Service (QoS)	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
QoS Marking	Yes	Yes	Yes	No	No	No	No	No	No	No	No
QoS DSCP Trust Boundary	Yes	Yes	Yes	No	No	No	No	No	No	No	No
QoS Rate-Limit Northbound Traffic on Tier-1 Gateway	No	Yes	Yes	No	No	No	No	No	No	No	No

Table 4-18. L2 Bridging to Physical Environment

L2 Bridging to Physical Environment	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Software Based L2 Bridge to Physical Environments	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-19. Routing

Routing	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Distributed Routing	Yes	Yes	Yes	No	No	No	No	No	No	No	No
Multi-Tier Routing	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Active / Active Dynamic Routing with ECMP	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes



Table 4-19. Routing (continued)

Routing	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Active / Standby Redundancy for Routing	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Virtual Routing and Forwarding (Tier-0 Gateway VRFs)	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
EVPN	No	No	Yes	No	No	No	No	No	Yes	Yes	Yes
OSPF v2	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-20. Static Routing - IPv4

Static Routing - IPv4	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Static Routing	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
BFD	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes

Table 4-20. Static Routing - IPv4 (continued)

Static Routing - IPv4	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Null Routes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Device Routes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes

Table 4-21. Static Routing - IPv6

Static Routing - IPv6	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Static Routing	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
BFD	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Null Routes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Device Routes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-22. BGP - IPv4 Unicast

BGP - IPv4 Unicast	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
eBGP	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
eBGP Multihop	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
iBGP	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Graceful Restart	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
4-byte ASN	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
BFD	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-23. BGP - IPv6 Unicast

BGP - IPv6 Unicast	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
eBGP	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
eBGP Multihop	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
iBGP	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Graceful Restart	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-23. BGP - IPv6 Unicast (continued)

BGP - IPv6 Unicast	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
4-byte ASN	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
BFD	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-24. Route Maps

Route Maps	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Match on Prefix-List and Community-List	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Set Weight, MED, AS Path, Prepending, Local Preference, and Community	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-25. Other

Other Routing	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
High Availability Virtual IP (HA VIP)	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Route Redistribution	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
IP Prefix-Lists	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Per Interface RPF Check	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes

Table 4-26. DNS, DHCP and IPAM (DDI)

DNS, DHCP and IPAM (DDI)	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
IPAM	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
IP Blocks	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
IP Subnets	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
IP Pools	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes

Table 4-26. DNS, DHCP and IPAM (DDI) (continued)

DNS, DHCP and IPAM (DDI)	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
IPv4 DHCP Server	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
IPv6 DHCP Server	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
IPv4 DHCP Relay	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
IPv6 DHCP Relay	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
IPv4 DHCP Static Bindings / Fixed Addresses	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
IPv6 DHCP Static Bindings / Fixed Addresses	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
IPv4 DNS Relay / DNS Proxy	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes

Table 4-27. Load Balancing (see footnote 6)

Load Balancing	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
<b>Protocols</b>											
TCP (L4-L7)	No	Yes	Yes	Yes	No	No	No	No	No	No	No
UDP	No	Yes	Yes	Yes	No	No	No	No	No	No	No
HTTP	No	Yes	Yes	Yes	No	No	No	No	No	No	No
<b>Load Balancing Methods</b>											
Round Robin	No	Yes	Yes	Yes	No	No	No	No	No	No	No
Source IP Hash	No	Yes	Yes	Yes	No	No	No	No	No	No	No
Least Connections	No	Yes	Yes	Yes	No	No	No	No	No	No	No
L7 Application Rules with RegEx Support	No	Yes	Yes	Yes	No	No	No	No	No	No	No
<b>Health Checks</b>											
TCP	No	Yes	Yes	Yes	No	No	No	No	No	No	No
ICMP	No	Yes	Yes	Yes	No	No	No	No	No	No	No
UDP	No	Yes	Yes	Yes	No	No	No	No	No	No	No
HTTP	No	Yes	Yes	Yes	No	No	No	No	No	No	No
HTTPS	No	Yes	Yes	Yes	No	No	No	No	No	No	No

Table 4-27. Load Balancing (see footnote 6) (continued)

Load Balancing	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
<b>Monitoring</b>											
View VIP / Pool / Server Objects	No	Yes	Yes	Yes	No	No	No	No	No	No	No
View VIP / Pool / Server Statistics	No	Yes	Yes	Yes	No	No	No	No	No	No	No
View Global Statistics VIP Sessions	No	Yes	Yes	Yes	No	No	No	No	No	No	No
<b>Load Balancing Automation</b>											
Pool Members Based on vCenter Context or IP Addresses	No	Yes	Yes	Yes	No	No	No	No	No	No	No
<b>Other</b>											



Table 4-27. Load Balancing (see footnote 6) (continued)

Load Balancing	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Connection Throttling	No	Yes	Yes	Yes	No	No	No	No	No	No	No
High-Availability	No	Yes	Yes	Yes	No	No	No	No	No	No	No

Table 4-28. Modern Apps

Modern Apps	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Container Networking and Security	No	Yes	Yes	No	No	No	No	No	No	No	No
VMware Container Networking with Project Antrea Enterprise	No	Yes	Yes	No	No	No	No	No	No	No	No
Distributed Load Balancing	No	Yes	Yes	No	No	No	No	No	No	No	No

Table 4-29. Automation

Automation	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
REST API	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hierarchical Policy API	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OpenAPI / Swagger Spec	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Java SDK	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Python SDK	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Terraform Provider <sup>5</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ansible Modules <sup>5</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Integration with Aria Automation <sup>1,5</sup>	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-29. Automation (continued)

Automation	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Integration with vCloud Director (see footnotes 1 and 5)	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Integration with VMware Integrated OpenStack (see footnotes 1 and 5)	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-30. Multi-Tenancy

Multi-Tenancy	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Projects (User Defined)	1	1	Configuration Maximum	No	No	No	No	No	No	No	No
NSX VPCs	8	8	Configuration Maximum	No	No	No	No	No	No	No	No

Table 4-31. Platform

Platform	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
ESXi Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
Manager / Controller Clustering	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
vCenter Integration	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-31. Platform (continued)

Platform	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Multi-vCenter® Networking and Security	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Federation	No	No	Yes	No	No	No	No	No	No	No	No
Edge in VM Form Factor	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Edge in Bare-Metal Form Factor for Routing	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
Edge in Bare-Metal Form Factor for Gateway Firewall	No	No	No	No	No	No	No	No	Yes	Yes	Yes

Table 4-31. Platform (continued)

Platform	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
DPDK Optimized Forwarding	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Dual Stack (IPv4/IPv6) External Management	Yes	Yes	Yes	No	No	No	No	No	No	No	No

Table 4-32. Authentication and Authorization

Authenticatio n and Author ization	NSX Profes sional	NSX Advan ced	NSX Enterp rise Plus	NSX for Remot e Office Branch Office	NSX Distrib uted Firewa ll	NSX Distrib uted Firewa ll with Threat Preven tion	NSX Distrib uted Firewa ll with Advan ced Threat Preven tion	NSX Firewa ll for Barem etal Server s	NSX Gatew ay Firewa ll	NSX Gatew ay Firewa ll with Threat Preven tion	NSX Gatew ay Firewal l with Advan ced Threat Preven tion
Authen tication using Works pace ONE Access (see footnot es 1 and 4)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Direct Active Directo ry Integra tion via LDAP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Authen tication via OpenL DAP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sessio n Based Authen tication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



Table 4-32. Authentication and Authorization (continued)

Authenticatio n and Author ization	NSX Profes sional	NSX Advan ced	NSX Enterp rise Plus	NSX for Remot e Office Branch Office	NSX Distrib uted Firewa ll	NSX Distrib uted Firewa ll with Threat Preven tion	NSX Distrib uted Firewa ll with Advan ced Threat Preven tion	NSX Firewa ll for Barem etal Server s	NSX Gatew ay Firewa ll	NSX Gatew ay Firewa ll with Threat Preven tion	NSX Gatew ay Firewal l with Advan ced Threat Preven tion
Certific ate Based Authen tication (Princip le Identit y)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Role Based Access Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-33. Log Management

Log Management	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Aria Operations for Logs Integration (Plugin) (see footnote 2)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Splunk Integration (Plugin) (see footnote 3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-34. Installation

Installation	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Automated Manager Deployment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Manual Manager Deployment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-34. Installation (continued)

Installation	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Automated Edge Deployment	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Manual Edge Deployment	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Automated Host Preparation by Cluster	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No

Table 4-35. Operations

Operations	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Port Mirroring	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Traceflow	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NSX Live Traffic Analysis	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes

Table 4-35. Operations (continued)

Operations	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Tunnel Health Monitoring	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes
Port Connectivity Tool	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes
Switch Based IPFIX	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
LLDP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Linux Only	Yes	Yes	Yes
Automated Technical Support Bundles	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Packet Capture	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Backup and Restore	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNMP v1/v2/v3 with Traps	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Time-Series Metrics	No	No	Yes	No	No	No	No	Yes	Yes	Yes	Yes

Table 4-36. Upgrade and Migration

Upgrade and Migration	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Upgrade Coordinator	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NSX for vSphere to NSX-T Migration Coordinator	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NSX Manager to Policy Promotion	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-37. Included Product Entitlement

Included Product Entitlement	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Aria Operations for Logs for NSX (SaaS)	No	No	No	No	No	No	No	No	No	No	No
Aria Operations for Logs for NSX (on-premises)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Aria Operations for Networks Advanced	No	No	Yes	No	No	No	No	No	No	No	No
Aria Operations for Networks Enterprise	No	No	No	No	No	No	No	No	No	No	No
HCX Advanced	No	No	Yes	No	No	No	No	No	No	No	No
HCX Enterprise	No	No	No	No	No	No	No	No	No	No	No
HCX+	No	No	No	No	No	No	No	No	No	No	No

Table 4-37. Included Product Entitlement (continued)

Included Product Entitlement	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
Workspace One Access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NSX Advanced Load Balancer Enterprise	No	One (1) Service Unit per 250 NSX CPU Cores. Subscription per core only.	One (1) Service Unit per 250 NSX CPU Cores. Subscription per core only.	No	No	No	No	No	No	No	No
NSX+ Advanced Load Balancer Cloud Services	No	No	No	No	No	No	No	No	No	No	No

Table 4-38. NSX Intelligence

NSX Intelligence	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall	NSX Distributed Firewall with Threat Prevention	NSX Distributed Firewall with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall	NSX Gateway Firewall with Threat Prevention	NSX Gateway Firewall with Advanced Threat Prevention
VM-to-VM Traffic Flow Analysis	No	No	Yes	No	Yes	Yes	Yes	No	No	No	No
Firewall Visibility	No	No	Yes	No	Yes	Yes	Yes	No	No	No	No
Automated Security Policy	No	No	Yes	No	Yes	Yes	Yes	No	No	No	No
Rule and Group Recommendation Analytics	No	No	Yes	No	Yes	Yes	Yes	No	No	No	No
Network Traffic Analytics	No	No	No	No	No	No	Yes	No	No	No	No

### Footnotes

- 1 Please refer to the Product Interoperability Matrices for specific versions supported with NSX.
- 2 VMware Aria Operations for Logs for NSX provides intelligent log analytics for NSX. VMware Aria Operations for Logs version 3.3.2 and accepts NSX edition license keys issued for NSX 1.0.0 and later. This means you will have an enterprise-level VMware Aria Operations for Logs for NSX license for every license of NSX.
- 3 Please refer to the NSX partner website for specific versions.



- 4 VMware Workspace ONE Access - A license to use VMware NSX includes an entitlement to use the VMware Workspace ONE Access feature, but only for the following functionalities:
  - Directory integration functionality of VMware Workspace ONE Access to authenticate users in a user directory such as Microsoft Active Directory or LDAP.
  - Conditional access policy.
  - Single-sign-on integration functionality with third party Identity providers to allow third party identity providers' users to single-sign-on into NSX.
  - Two-factor authentication solution through integration with third party systems. VMware Verify, VMware's multi-factor authentication solution, received as part of VMware Workspace ONE Access may not be used as part of NSX.
  - Single-sign-on functionality to access VMware products that support single-sign-on capabilities.
- 5 Integration with automation tools such as VMware Aria Automation, vCloud Director, VMware Integrated OpenStack, Ansible, and Terraform is available for all editions of NSX, however, you must have the appropriate NSX edition for the feature which is automated by these tools. For example automation of load balancing from Terraform or OpenStack requires NSX Advanced, Enterprise Plus, or ROBO.
- 6 Both IPv4 and IPv6 are supported for all load balancing features except for IPv6-VIP-to-IPv4-member and IPv4-VIP-to-IPv6-member translations. It is recommended that all customers who need load balancing features purchase Avi Load Balancer. Support for the built-in NSX load balancer for customers using NSX 4.x will remain for the duration of the NSX 4.x release series. VMware does not intend to provide support for the built-in NSX load balancer beyond the last NSX 4.x release.
- 7 Customers who have purchased vSphere Enterprise Plus are also entitled to use the Enhanced Datapath – Standard for DPUs feature. This feature requires the installation of the NSX Manager.

# References

# 5

For information on feature entitlement for versions prior to NSX 4.x, please consult the following KBs:

Product offerings for VMware NSX-T Data Center 3.2.x (86095)

<https://kb.vmware.com/s/article/86095>

Product offerings for NSX-T 3.2 Security (87077)

<https://kb.vmware.com/s/article/87077>

Product offerings for VMware NSX-T Data Center 3.1.x (80866)

<https://kb.vmware.com/s/article/80866>

Product Offerings for VMware NSX Security 3.1.x (81231)

<https://kb.vmware.com/s/article/81231>

Product offerings for VMware NSX-T Data Center 3.0.0 (78223)

<https://kb.vmware.com/s/article/78223>

Product offerings for VMware NSX-T Data Center 2.5.x (76754)

<https://kb.vmware.com/s/article/76754>

Product offerings for VMware NSX-T Data Center 2.2.x (52462)

<https://kb.vmware.com/s/article/52462>

Product Offerings for VMware NSX-T Features in NSX Editions No Longer Offered for Sale (88846)

<https://kb.vmware.com/s/article/88846>

Product Guide: <https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/product/vmware-product-guide.pdf>