

NSX Feature and Edition Guide

VMware NSX 4.1.1

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Overview

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

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.

NSX Editions

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NSX Editions

- **NSX Professional**

For organizations needing a basic set of NSX connectivity and security features for single location software defined data center deployments.

- **NSX Advanced**

For organizations needing advanced networking and security features that are applied to multiple sites. This edition also entitles customers to VMware NSX Advanced Load Balancer.

- **NSX Enterprise Plus**

For organizations needing all of the capability NSX has to offer. This edition also entitles customers to VMware NSX Advanced Load Balancer, VMware Aria Operations for Networks and VMware HCX Advanced.

- **NSX Remote Office Branch Office**

For organizations that need to virtualize networking and security for applications in the remote office or branch office.

NSX Distributed Firewall Editions

- **NSX Distributed Firewall**

For organizations needing implement access controls for east-west traffic within the network (micro-segmentation) but not focused on Threat detection and prevention services.

- **NSX Distributed Firewall with Threat Prevention**

For organizations needing access control and select Threat prevention features for east-west traffic within the network.

- **NSX Distributed Firewall with Advanced Threat Prevention**

For organizations needing Firewall, and all advanced Threat prevention features for east-west traffic within the network.

- **NSX Firewall for Baremetal Servers**

For organizations needing an agent-based network segmentation solution for bare-metal workloads.

NSX Gateway Firewall Editions

- **NSX Gateway Firewall**

For organizations needing implement firewalling capabilities for zone segmentation; but not focused on Threat detection and prevention services.

- **NSX Gateway Firewall with Threat Prevention**

For organizations needing implement firewalling capabilities for zone segmentation along with select Threat detection and prevention services offered in the Gateway form factor.

- **NSX Gateway Firewall with Advanced Threat Prevention**

For organizations needing implement firewalling capabilities for zone segmentation along with all advanced Threat detection and prevention services offered in the Gateway form factor.

The NSX Gateway Firewall product can be deployed either as a Virtual Machine (VM) or as an ISO image on physical servers depending upon the license procured. The NSX Gateway Firewall Editions listed above are applicable for both the VM and ISO based deployments.

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 Perpetual and On-premises Subscription Editions		
NSX Professional	Per CPU	Per Core
NSX Advanced	Per CPU, Concurrent User	Per Core, Concurrent User
NSX Enterprise Plus	Per CPU, Concurrent User	Per Core, Concurrent User
NSXNSX for Remote Office Branch Office	Per Virtual Machine	None
NSX On-premises Subscription Editions		
NSX Distributed Firewall	None	Per Core, Per Concurrent User
NSX Distributed Firewall with Threat Prevention	None	Per Core, Per Concurrent User
NSX Distributed Firewall with Advanced Threat Prevention	None	Per Core, Per Concurrent User
NSX Firewall for Baremetal Servers	None	Per Core
NSX On-premises Subscription Editions		
NSX Gateway Firewall	None	Per Core
NSX Gateway Firewall with Threat Prevention	None	Per Core
NSX Gateway Firewall with Advanced Threat Prevention	None	Per Core

NSX Edition Combinations

There are several NSX SKUs available for purchase which are a combination of editions. To determine the feature entitlement for those combinations please consult the appropriate columns for the component editions of the combination SKU.

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.

Edition	End of Sale	Recommendation
NSX for vSphere	May 2016	Convert existing licenses to NSX Enterprise and optionally upgrade to NSX Enterprise Plus.
NSX Multi-Hypervisor	2015	Convert existing licenses to NSX Enterprise and optionally upgrade to NSX Enterprise Plus.
NSX Standard (obsolete edition)	June 2018	Upgrade to NSX Professional, NSX Advanced or NSX Enterprise Plus.

Edition	End of Sale	Recommendation
NSX Advanced (obsolete edition)	June 2018	Convert to NSX Advanced or upgrade to NSX Enterprise Plus.
NSX Enterprise (obsolete edition)	June 2018	Upgrade to NSX Enterprise Plus.
NSX Data Center Standard	October 29th, 2021	Upgrade to NSX Professional, NSX Advanced or NSX Enterprise Plus.
NSX Data Center Professional	October 29th, 2021	Expansion on NSX Professional or upgrade to NSX Advanced or NSX Enterprise Plus.
NSX Data Center Advanced	October 29th, 2021	Expansion on NSX Advanced or upgrade to NSX Enterprise Plus.
NSX Data Center Enterprise Plus	October 29th, 2021	Expansions on NSX Enterprise Plus.
NSX Data Center for Remote Office / Branch Office	October 29th, 2021	Expansion on NSX Remote Office / Branch Office.

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

NSX Features

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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 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 3-1. 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 3-1. 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 3-2. 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 3-3. 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 3-4. 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 3-5. 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 3-6. 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 3-6. 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 3-7. 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 3-7. 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 3-8. 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 3-8. 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 3-9. 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 3-10. 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 3-11. 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 3-12. 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 3-13. 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 3-14. 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 3-15. 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 3-16. 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 3-16. Switching (continued)

Switching	NSX Professional	NSX Advanced	NSX Enterprise Plus	NSX for Remote Office Branch Office	NSX Distributed Firewall II	NSX Distributed Firewall II with Threat Prevention	NSX Distributed Firewall II with Advanced Threat Prevention	NSX Firewall for Baremetal Servers	NSX Gateway Firewall II	NSX Gateway Firewall II with Threat Prevention	NSX Gateway Firewall II 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 ⁸	No	Yes - Subscription Only	Yes - Subscription Only	No	No	No	No	No	No	No	No

Table 3-16. 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 3-17. 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 3-18. 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 3-19. 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 3-19. 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 3-20. 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 3-20. 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 3-21. 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 3-22. 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 3-23. 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 3-23. 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 3-24. 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 3-25. 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 3-26. 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 3-26. 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 3-27. Load Balancing 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
Protocols											
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
Load Balancing Methods											
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
Health Checks											
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 3-27. Load Balancing 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
Monitoring											
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
Load Balancing Automation											
Pool Members Based on vCenter Context or IP Addresses	No	Yes	Yes	Yes	No	No	No	No	No	No	No
Other											

Table 3-27. Load Balancing (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 3-28. 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 3-29. 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 ⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ansible Modules ⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Integration with Aria Automation ^{1,5}	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 3-29. 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 ^{1,5}	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Integration with VMware Integrated OpenStack ^{1,5}	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 3-30. 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 3-31. 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
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

Table 3-31. 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
Edge in Bare-Metal Form Factor for Gateway Firewall	No	No	No	No	No	No	No	No	Yes	Yes	Yes
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 3-32. Authentication and Authorization

Authentication and Authorization	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
Authentication using Workspace ONE Access 1,4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Direct Active Directory Integration via LDAP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Authentication via OpenLDAP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Session Based Authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Certificate Based Authentication (Principal Identity)	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 3-33. 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) ²	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Splunk Integration (Plugin) ³	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 3-34. 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 3-34. 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 3-35. 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 3-35. 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 3-36. 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 3-37. 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 3-37. Included Product Entitlement (continued)

Include d Produc t Entitle ment	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 Gatewa y Firewa ll	NSX Gatewa y Firewa ll with Threat Preven tion	NSX Gatewa y Firewal l with Advan ced Threat Preven tion
Works pace One Access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NSX Advan ced Load Balanc er Enterpr ise	No	One (1) Service Unit per 250 NSX CPU Cores. Subscri ption per core only.	One (1) Service Unit per 250 NSX CPU Cores. Subscri ption per core only.	No	No	No	No	No	No	No	No
NSX+ Advan ced Load Balanc er Cloud Service s	No	No	No	No	No	No	No	No	No	No	No

Table 3-38. 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 VMware Product Interoperability Matrices for specific versions supported with VMware 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. VMware recommends that customers using NSX load balancing features migrate to NSX Advanced Load Balancer Enterprise (Avi).
- 7 Requires VDS 7.0 or higher
- 8 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

4

For information on feature entitlement for versions prior to VMware 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>

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