Useful NSX-T Resources available to Customers and Partners

Download the latest **NSX-T** version from

https://bit.ly/NSX_Resources

Or

https://communities.vmware.com/docs/DOC-32004

Version 4.2 July 2020

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Purpose of the NSX-T Document

With the public launch of the two flavors of NSX. NSX-V and NSX-T I want to ensure that there is no mis-understanding between the two versions. So I have created two documents. One solely for NSX-V (for ESX-i only environments), and a document solely for NSX-T (ESX, KVM, Baremetal, and Kubernetes/container environments).

The aim of this document is to have a single place where IT professional's can find the tools and resources available to them to learn and understand NSX, and provide expertise within their organisation and to third parties on the subject of NSX.

The document will be updated regularly.
The latest version of the **NSX-T** document will always be available at
https://bit.ly/NSX_Resources

For your reference the latest version of **NSX-V** of this document from
https://googl/awliy6 (Note that this document is not getting updated)

Please provide feedback, amendments and additions via email to apearce@vmware.com
FYI, if the hyperlinks in this document don't work in your browser / pdf viewer try another browser / viewer, or clear your cache in your browser.

Useful NSX Resources for Customers

1	Hands on Labs
2	Product Info, Forums, VMUG and Blogs
3	Twitter (people to follow and useful #)
4	Websites & YouTube
5	Training, Certification & NSX Mindset
6	VMworld
7	Other Resources & Utilities

Hands on Labs 1 of 2

(HOL = Hands on Lab)

A free resource that is available to anyone that wants to learn about any VMware technology including NSX. The Hands on Labs provide a great way to get some hands on experience. Which is great for self-learning and certification. These are real environments, that are created and deployed solely for the person requesting them. So you can use these environments to test your own scenario's as well.
You get 1.5 - 2.5 hours per lab, but this can be extended in 30 mins slots, up to 8 hours. The maximum time is reduced when VMworld is taking place. You can also do a lab as many times as you like. FYI, I have started, and completed HOL 1625 approx. 130 times, as I used it as a customer demo environment.

Hands on Labs http://labs.hol.vmware.com/

The official step by step guides (in various languages) are available in html or pdf format from http://docs.hol.vmware.com/

On the following pages are details of the NSX Hands on labs

Hands on Labs 2 of 2

The official step by step guides (in various languages) http://docs.hol.vmware.com/

Below is a list of the current (2019 - 2020) Hands on Labs. The catalogue number in green, and a brief description of the HOL. Remember that this list is not a complete list, and is just a summary of the useful ones for NSX-T. New labs are released throughout the year. So have a look every month. Also check the pre-release section for new versions of the labs.

HOL-2026-01-NET - VMware NSX-T: Getting Started

HOL-2026-91-NET - VMware NSX-T Distributed Firewalling Lightning Lab

HOL-2026-05-ODY - VMware Odyssey - Network Security - Getting Started

HOL-2026-06-ODY - VMware Odyssey - Network Security - Advanced

HOL-2086-02-EMT - Configuring NSX-T for High Performance 5G Telco Workloads on vCloud NFV

HOL-2122-01-NET - NSX Cloud Consistent Networking and Security across Enterprise, AWS & Azure

HOL-2037-01-NET - VMware NSX Advanced Load Balancer (Avi Networks) - Getting Started

HOL-2037-02-NET - VMware NSX Advanced Load Balancer (Avi Networks) - GSLB

HOL-2181-01-HBD - VMware HCX - Getting Started with Cross-Cloud Mobility

HOL-2002-92-CMP-HOL - A Quick Introduction to VMware Network Insight - Lightning Lab

HOL-2026-02-NET - Integrating Kubernetes with VMware NSX-T Data Center

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Product Documentation (1 of 3)

Get all the latest official NSX documentation for the NSX-T version from
https://docs.vmware.com
Select "Browse All Products"
Select "NSX-T Data Centre"
Select the version you want. ie Version 3.0

NSX-T Installation Guide
https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/nsxt_30_install.pdf

NSX-T Admin Guide
https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/nsxt_30_admin.pdf

NSX-T Upgrade Guide
https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/nsxt_30_upgrade.pdf

NSX-T Migration Coordinator Guide
https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/nsxt_30_migrate.pdf

NSX-T API Guide
https://code.vmware.com/apis/976/nsx-t

NSX-T Command Line Reference Guide

https://vdc-download.vmware.com/vmwb-repository/dcr-public/cc42e3c1-eb34-4567-a916-147e79798957/8fff776d-fabd-4157-9c79-fdec07a5599f/nsxt_30_cli.htm

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Product Documentation (2 of 3)

NSX-T Container Plug-in for Kubernetes and Cloud Foundry - Installation and Administration Guide
https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/nsxt_30_ncp_kubernetes.pdf

NSX-T Container Plug-in for OpenShift - Installation and Administration Guide
https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/nsxt_30_ncp_openshift.pdf

NSX-T Openstack Plugin Installation and configuration Guide
https://docs.vmware.com/en/VMware-NSX-T-Data-Center/2.5/nsxt-openstack-plugin-installation.pdf

NSX-T 2.0 – 2.5 Reference Design Guide
https://communities.vmware.com/docs/DOC-37591

NSX-T Data Center logging Options and Configuration Guide
https://communities.vmware.com/docs/DOC-39153

Openstack & NSX-T Network Topologies Configuration Guide
https://communities.vmware.com/docs/DOC-36984

Product Documentation (3 of 3)

NSX-T Reference Design Guide for PAS and PKS
        https://communities.vmware.com/docs/DOC-38609

NSX-T 3.0 Security Configuration Guide
        https://communities.vmware.com/docs/DOC-41546

NSX-T Load Balancing Presentation and Configuration Guide
        https://communities.vmware.com/docs/DOC-40434

NSX-T Load Balancing – Transfer of Information (everything you would want to know)
        https://communities.vmware.com/docs/DOC-40435

NSX-T Data Centre and EUC Design Guide
        https://communities.vmware.com/docs/DOC-40565

NSX-T Data Centre Logging Options and Configuration
        https://communities.vmware.com/docs/DOC-39153

Certifications and links to documentation for NSX-T

Kubernetes (K8S) Networking Solutions

https://kubernetes.io/docs/concepts/cluster-administration/networking/#how-to-achieve-this

https://kubernetes.io/docs/concepts/cluster-administration/addons/

Openshift validated and supported SDN solutions

https://docs.openshift.com/container-platform/3.11/install_config/configuring_nsxtsdn.html

Forums

A number of the documents and links I have provided in the previous pages are available from VMware community site. NSX has an active community of Customers, Partners, SE's, Architects, Product Managers and engineers. Please feel free to ask questions on NSX-T on these forums.

It's is free to join and participate in the conversation, click the link below to get involved
https://communities.vmware.com/community/vmtn/nsx

The community has a document section, where useful documents are published:
https://communities.vmware.com/community/vmtn/nsx/content?filterID=contentstatus[published]~objecttype~objecttype[document]
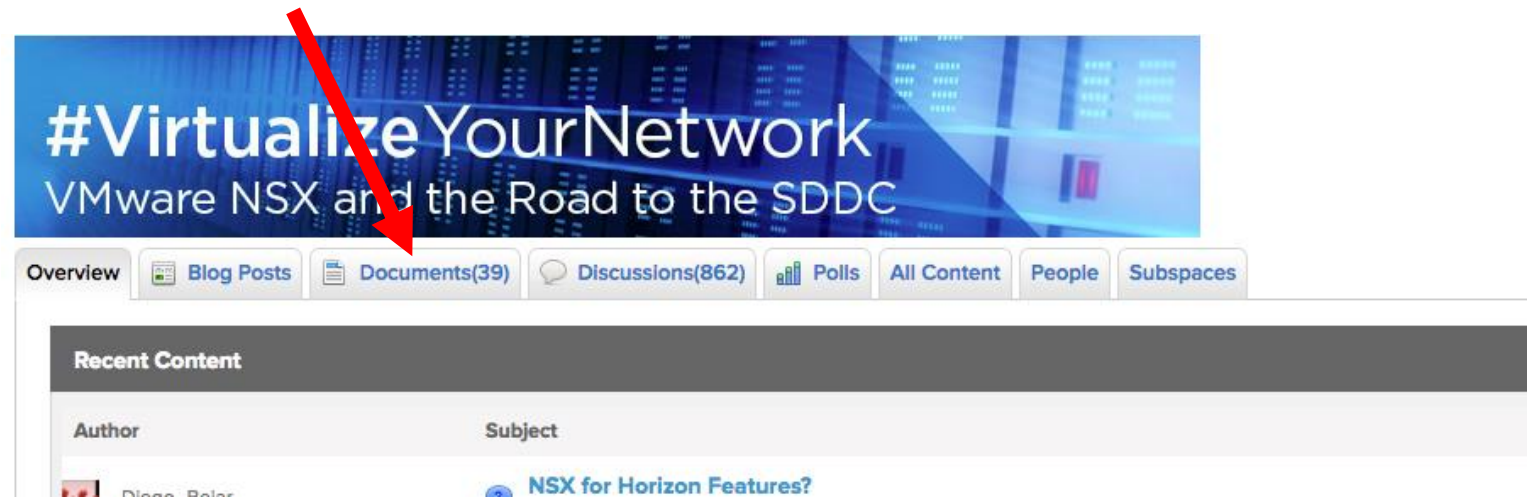
VMUG (VMware User Group)

VMware has an active and vocal group of users around the globe. These users get together and share experiences on all the products and solutions that VMware provides. VMUG runs webinars, and a host of other activities as well as the face-to-face meetings (now virtual due to covid).
It is free and simple to join VMUG (VMware User Group)

Once registered for **VMUG** – (VMware User Group)
You can attend 2 or 3 meeting a year local to you. These sessions are free to attend. You just need to pay for your travel. It enables you to interact in an informal way with other VMware customers. Hear about the wider product offerings from VMware and from VMware's competitors and partners.

Speak to your peers already running NSX, click to start your journey in the VMware User Group.
        http://www.vmug.com/

VMUG, also encourages you to share your experiences with the wider community.

You can also pay for an "VMUG advantage program" which provides additional benefits, such as a cheaper rate to attend VMworld, and <mark>access to VMware licences for personal use</mark>.

Blogs

R&D and engineering NSX Blog (forward looking, trends impacts)
http://www.vmware.com/radius/feature/network-virtualization-sdn/

VMware's NSX central blogging site.
http://blogs.vmware.com/networkvirtualization

Gary Hills NSX-T Blog – very useful info
https://spillthensxt.com/

https://www.livefire.solutions/category/nsx-t/

VMware's central blogging site. Not Just NSX, but everything VMware.
http://blogs.vmware.com/

Some specific NSX-T Blogs that I find useful

What's New in NSX-T 2.4
https://blogs.vmware.com/networkvirtualization/2019/02/introducing-nsx-t-2-4-a-landmark-release-in-the-history-of-nsx.html/

Introducing IPv6 in NSX-T 2.4
https://blogs.vmware.com/networkvirtualization/2019/02/ipv6-support-in-nsx-t-2-4.html/

NSX-T – Multi Tiered Routing Architecture
https://blogs.vmware.com/networkvirtualization/2018/02/nsx-t-multi-tiered-routing-architecture.html/

Yves Fauser's Blog article on Kubernetes and VMware NSX-T
https://blogs.vmware.com/networkvirtualization/2017/03/kubecon-2017.html/

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Twitter – People to follow and # to watch

hashtags

People to Follow

#NSX   @vmwarensx   @smitmartijn

#vmwarensx   @netvirt   @antducker

#runnsx   @i1wan   @optimum_ip

#vmworld   @ccie5851   @vmworld

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YouTube / Videos

I would subscribe to the VMware NSX Channel, if you dont already.
https://www.youtube.com/user/vmwarensx/videos

Content is always updated so ensure you get notifications of new content.

I would also subscribe to Lastline (acquired late June 2020) its a phoenamal network
Detection and response product
https://www.youtube.com/channel/UCSoEMOpGuXknmMpELKYk5Zw/videos

NSX-T for vSphere with Kubernetes
https://www.youtube.com/watch?v=StjqwChhn8Y

NSX-T 2.4 via Automation or GUI: Part 1
https://www.youtube.com/watch?v=YCrw79HegMc

NSX-T 2.4 via Automation or GUI: Part 2   (click, click, click)
https://www.youtube.com/watch?v=rcEXItTYhgQ

NSX-T 2.4 via Automation or GUI: Part 3 (API)
https://www.youtube.com/watch?v=-MYnAE_Y1KQ

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NSX-T Specific Online Videos (There are old but still great)

NSX-T and Mirantis OpenStack, Presentation and Demo
        From Openstack Summit - Barcelona 2016
https://www.youtube.com/watch?v=r3cT-3qpT60

Lightboard Session - Networking, Security and Monitoring for Microservices and Containers with VMware NSX-T
https://www.youtube.com/watch?v=otH2wkbj_t8

NSX-T and Redhat Openstack 10, Presentation and Demo
        From Openstack Summit - Boston 2017
https://www.youtube.com/watch?v=DHmCga2tAV8

NSX-T and Kubernetes, Presentation and Demo **(Starts at 23:45 into the Video)**
        From Openstack Summit - Boston 2017
https://www.youtube.com/watch?v=DHmCga2tAV8

Websites – VMware Knowledge Base (1 of 2)

Knowledge Base Articles   https://kb.vmware.com/

1 – Search for "NSX-T" or a particular question / issue on the topics product or issue bar

2 – You can then select the product or specific version on the left hand side

Websites – VMware Knowledge Base (2 of 2)

Knowledge Base Articles   https://kb.vmware.com/

Some Useful kb articles

What Feature is included in each version of NSX-T 3.0
https://kb.vmware.com/s/article/78223

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Training (1 of 4) NSX-T Specific Courses

VMware and our learning partners offer a full range of courses.

NSX-T specific courses are detailed below.

Professional: Administrators, Operators								
Course		Classroom	Live Online	Onsite	vFlex Classroom	On Demand Classroom	Lab Connect	Self-Paced
VMware NSX-T Data Center: Install, Configure, Manage [V3.0] 5 Days	Aligned to VCP-NV	✔	✔	✔	✔			

Advanced: Senior Administrators, Implementers & Consultants, Architects								
Course		Classroom	Live Online	Onsite	vFlex Classroom	On Demand Classroom	Lab Connect	Self-Paced
VMware NSX-T Data Center: Troubleshooting and Operations [V3.0] 5 Days	Aligned to VCP-NV	✔	✔	✔	✔			
VMware NSX-T Data Center: Design [V3.0] 5 Days	Aligned to VCP-NV	✔	✔	✔	✔			

vRNI courses

Professional: Administrators, Operators							
Course	Classroom	Live Online	Onsite	vFlex Classroom	On Demand Classroom	Lab Connect	Self-Paced
VMware vRealize Network Insight: Install, Configure, Manage [V5.0] 2 Days	✔	✔	✔	✔	✔	✔	

Training (2 of 4) NSX Advanced Load Balancer Specific Courses

VMware and our learning partners offer a full range of courses.

NSX Advanced Load Balancer AVI) specific courses are detailed below.

Professional: Administrators, Operators

Course	Classroom	Live Online	Onsite	vFlex Classroom	On Demand Classroom	Lab Connect	Self-Paced
VMware Introduction to Application Delivery Controller with NSX Advanced Load Balancer 1 Day	✔	✔	✔	✔			
VMware NSX Advanced Load Balancer: Install, Configure, Manage 5 Days	✔	✔	✔	✔			

Advanced: Senior Administrators, Implementers & Consultants, Architects

Course	Classroom	Live Online	Onsite	vFlex Classroom	On Demand Classroom	Lab Connect	Self-Paced
VMware NSX Advanced Load Balancer: Infrastructure and Application Automation 3 Days	✔	✔	✔	✔			
VMware NSX Advanced Load Balancer: Global Server Load Balancing Design and Deploy 3 Days	✔	✔	✔	✔			
VMware NSX Advanced Load Balancer: Web Application Firewall Security 3 Days	✔	✔	✔	✔			
VMware NSX Advanced Load Balancer: Troubleshooting and Operations ‫ Days	✔	✔	✔	✔			
VMware NSX Advanced Load Balancer: ICM plus Troubleshooting and Operations Fast Track 5 Days	✔	✔	✔				

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Training (3 of 4) Techzone – it's free

VMware Networking & Security Tech Zone, is your fastest path to understanding, evaluating and deploying VMware NSX, the VMware Advanced NSX Load Balancer, and the VMware SD-WAN by VeloCloud. It has a wealth of material, incl. whitepapers, videos, labs and Guides.

https://nsx.techzone.vmware.com/

Below are a list of the curriculums that are available

Master NSX-T Journey
https://nsx.techzone.vmware.com/master-nsx-t

Day 2 Operations and NSX-T 3.0
https://nsx.techzone.vmware.com/network-operations-learning-journey

Master HCX
https://nsx.techzone.vmware.com/master-vmware-hcx

Master Kubernetes with NSX
https://nsx.techzone.vmware.com/kubernetes-nsx

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Training (4 of 4) VLZ – VMware Learning Zone

Complimentary access to the premium content for 6 months (from May 2020)

https://blogs.vmware.com/education/2020/05/07/experience-complimentary-digital-learning-with-a-special-offer-from-vmware-learning-zone/

VMware Learning Zone (VLZ) - your single source for digital learning from VMware and we are excited to announce a special offer to provide you complimentary access to its premium content. With 24/7 access to training delivered by top VMware experts and Certified Instructors, VLZ lets you learn when, where, and how you want. Please find details below on this promotion, click on learn more to take advantage of this exciting offer or alternatively please do not hesitate to get in contact directly so I can support you

Enroll Now at the link above

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Normally, there are two VMworld's each year. One in the US and One in Europe. Due to the Pandemic there is one VMworld which is taking place virtually.

Registration for VMworld 2020 is now open. You can register at

https://www.vmworld.com/en/index.html

The content Catalogue opens on August the 28th.

This year VMworld is free to attend, but premium tickets are available that provide access to premium sessions & content. Please note that Premium tickets are limited, so get one quick if you want one.

Why Attend?
At VMworld, you'll join the industry's top thought leaders, subject matter experts and IT professionals to immerse yourself in the latest in cloud infrastructure and business mobility technology. This is the one indispensable event to discover the technology, trends and people who are shaping the future of digital business.

At VMworld, you can:
- ✓ Hear from VMware executives and industry experts on what matters most in IT today, and what's coming next.
- ✓ Network with your peers, the VMware partner ecosystem and IT movers and shakers—a "who's who" in digital business.
- ✓ Discover new and emerging product breakthroughs, best practices and case studies.
- ✓ Gain direct, take-to-the-bank experience in expert-guided hands-on labs and VMware Certification opportunities.

VMworld Session Videos (1 of 2)
Watch all the VMworld US & Europe Breakout sessions for free

This resource is so good.

Below are two very nice lists created by William Lam. They provide direct links to playback and download all the breakout sessions at VMworld US and Europe 2018. There are lots of NSX-T specific sessions. The content is different at each location. So check both links for what you are looking for.

Enjoy!

For complete list of all session playback links from VMworld Europe on github

William Lam's list of 2019 VMworld Europe Video's

For complete list of all session playback links from VMworld US on github

William Lam's list of 2019 VMworld US Video's

VMworld Session Videos (2 of 2)

Notes on downloading or getting access to the videos

Depending on your location and PC. You may need to download the videos. William Lam has provided details on how to do it at

https://github.com/lamw/vmworld2019-session-urls/blob/master/README.md

Note: If you are looking to download sessions using command-line tools like wget or cURL, make sure to add a referer with value of `http://www.vmworld.com` or you will receive 403 error. Below are a few examples and you can also use the PowerShell script downloadSessions.ps1.

wget:

```
wget --referer http://www.vmware.com https://s3-us-west-1.amazonaws.com/vmworld-usa-2019/HBI1967BU.mp4
```

cURL:

```
curl --referer http://www.vmware.com https://s3-us-west-1.amazonaws.com/vmworld-usa-2019/HBI1967BU.mp4 -O HBI1967BU.mp4
```

PowerShell:

```
$headers = @{"referer" = "http://www.vmware.com"}
Invoke-WebRequest -Uri https://s3-us-west-1.amazonaws.com/vmworld-usa-2019/HBI1967BU.mp4 -Headers $headers -Outfile HBI1967BU.mp4
```

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Other Resources

As other NSX-T resources become available I will add them here.

Feel free to send me recommendations, suggestions and comments to

apearce@vmware.com

Thank You

NSX from **vm**ware®

The industry leading Network and Security Virtualisation platform