

# Associate VMware Network Virtualization

## Exam Details

The Associate VMware Network Virtualization Exam (1V0-41.20), which leads to VMware Certified Technical Associate – Network Virtualization 2022 is a 30-item exam, with a passing score of 300 using a scaled method. Exam time is 90 minutes.

## Exam Delivery

This is a proctored exam delivered through Pearson VUE. For more information, visit the [Pearson VUE website](#).

## Certification Information

For details and a complete list of requirements and recommendations for attainment, please reference the [VMware Education Services – Certification website](#).

## Minimally Qualified Candidate

The minimally qualified candidate has basic experience or education in IT, network and security, basic virtualization and basic OS and is also familiar with basic switching and routing concepts.

## Exam Sections

VMware exam blueprint sections are now standardized to the seven sections below, some of which may NOT be included in the final exam blueprint depending on the exam objectives.

Section 1 – Architecture and Technologies

Section 2 – Products and Solutions

Section 3 – Planning and Designing

Section 4 – Installing, Configuring, and Setup

Section 5 – Performance-tuning, Optimization, and Upgrades

Section 6 – Troubleshooting and Repairing

Section 7 – Administrative and Operational Task

If a section is missing from the list below, please note it is because the exam has no testable objectives for that section.

The objective numbering may be referenced in your score report at the end of your testing event for further preparation should a retake of the exam be necessary.

## Sections Included in the Exam

### Section 1 - Architecture and Technologies

Objective 1.1: Identify the basic concepts of SDDC.

Objective 1.2: Identify how virtual networking addresses traditional networking challenges.

Objective 1.3: Identify the Software Defined Networking (SDN) building blocks.

### Section 2 - VMware Products and Solutions

Objective 2.1: Identify vSphere networking concepts.

Objective 2.2: Identify the VMware products that are part of the SDDC solution.

Objective 2.3: Identify the components of vSphere.

Objective 2.4: Identify the key features of vSphere

Objective 2.5: Given a use case, identify the product that supports the use case.

Objective 2.6: Given a use case, identify the benefits of NSX Data Center.

Objective 2.7: Identify how the high-level component of the NSX architecture interacts with the other high-level components.

Objective 2.8: Identify the roles of each of the high-level components of the NSX architecture.

Objective 2.9: Identify the functionality of the NSX-T features.

Section 3 - Planning and Designing – There are no testable objectives for this section

Section 4 - Installing, Configuring, and Setup – There are no testable objectives for this section

Section 5 - Performance-tuning, Optimization, Upgrades – There are no testable objectives for this section

Section 6 - Troubleshooting and Repairing – There are no testable objectives for this section

### Section 7 - Administrative and Operational Tasks

Objective 7.1 - Given a scenario including a goal, identify how to use the NSX graphical user interface to achieve that goal.

## Recommended Courses

VMware Network Virtualization: Core Technical Skills

## References

<http://www.vmware.com>

<http://kb.vmware.com>

<https://blogs.vmware.com>

<https://docs.vmware.com>

<https://www.vmware.com/techpapers.html>

NSX-T Online Documentation:

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/technical-whitepaper-sddc-capabilities-itoutcomes-white-paper.pdf>

NSX-T Online Documentation:

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/technical-whitepaper-sddc-capabilities-itoutcomes-white-paper.pdf>

NSX-T Online Documentation: <https://octo.vmware.com/introducing-vmware-nsx-the-platform-for-network-virtualization/>

NSX-T Whitepaper:

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/whitepaper/products/nsx/vmware-nsx-network-virtualization-platform-white-paper.pdf>

NSX-T Online Documentation: <https://octo.vmware.com/introducing-vmware-nsx-the-platform-for-network-virtualization/>

NSX for Operators: Introduction to SDDC and Network Virtualization

NSX-T Online Documentation: NSX for Operators: Introduction to SDDC and Network Virtualization:

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/technical-whitepaper-sddc-capabilities-itoutcomes-white-paper.pdf>

NSX-T Online Documentation: NSX for Operators: Introduction to SDDC and Network Virtualization:

<https://www.vmware.com/topics/glossary/content/software-defined-networking>

vSphere Documentation: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-F3F5E069-9A75-467A-93FC-800F37104A7E.html>

NSX-T Whitepaper: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-35B40B0B-0C13-43B2-BC85-18C9C91BE2D4.html>

NSX-T Online Documentation:

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/technical-whitepaper-sddc-capabilities-itoutcomes-white-paper.pdf>

NSX-T Online Documentation: <https://www.carbonblack.com/blog/carbon-black-vmware-announce-general-availability-integrated-solution-cb-defense-vmware-vmware-appdefense-secure-software-defined-data-center-sddc/>

NSX-T Online Documentation: <https://www.vmware.com/products/nsx.html>

NSX for Operators: Introduction to SDDC and Network Virtualization: RLO02: Introduction to VMware vSphere (vSphere Key Features)

vSphere Documentation: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-BA85FEC4-A37C-45BA-938D-37B309010D93.html>

vSphere Documentation: RLO02: Introduction to VMware vSphere (vSphere Key Features)

NSX for Operators: Introduction to SDDC and Network Virtualization: RLO02: Introduction to vSphere (Describe vSphere Key Components)

vSphere Documentation: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-4A626993-A829-495C-9659-F64BA8B560BD.html>

vSphere Documentation: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-FE2B516E-7366-4978-B75C-64BF0AC676EB.html>

vSphere Documentation: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-FE2B516E-7366-4978-B75C-64BF0AC676EB.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-Intelligence/1.1/rn/VMware-NSX-Intelligence-111-Release-Notes.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/installation/GUID-2E154AC9-C975-49B4-9657-D6D7509CE02C.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-E54E9E76-175E-4D65-80E9-8BE169DB2066.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/installation/GUID-10B1A61D-4DF2-481E-A93E-C694726393F9.html>

NSX-T Online Documentation: <https://www.vmware.com/cz/products/nsx-advanced-load-balancer.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-vRealize-Network-Insight/index.html>

VMware Blogs: <https://blogs.vmware.com/networkvirtualization/2018/12/nsx-service-mesh.html/>

VMware Blogs: <https://docs.vmware.com/en/VMware-HCX/services/user-guide/GUID-A7E39202-11FA-476A-A795-AB70BA821BD3.html>

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VMware Blogs: <https://blogs.vmware.com/networkvirtualization/2018/02/nsx-t-multi-tiered-routing-architecture.html/>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/installation/GUID-F459E3E4-F5F2-4032-A723-07D4051EFF8D.html>

VMware Blogs: <https://www.livefire.solutions/nsx-t/nsx-t-logical-routing-architecture-part-1/>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-41CC06DF-1CD4-4233-B43E-492A9A3AD5F6.html>

NSX-T Online Documentation: <https://code.vmware.com/apis/547/nsx-t>

NSX-T Online Documentation: <https://www.vmware.com/dk/solutions/micro-segmentation.html>

NSX-T Online Documentation: <https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/products/nsx/vmware-micro-segmentation-day-2.pdf>

NSX-T Online Documentation: RLO05: NSX-T Data Centre Architecture (Hands-on Practice).

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/migration/GUID-7C6BB623-DEF6-420D-8E4E-18DA75COEDD8.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-0DEF9F18-608D-4B5C-9175-5514750E901B.html>

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NSX-T Online Documentation: <https://blogs.vmware.com/networkvirtualization/2018/02/nsx-t-multi-tiered-routing-architecture.html/>

NSX for Operators: Introduction to SDDC and Network Virtualization: RLO06: NSX-T Data Center Logical Switching (Logical Switching End-to-End Communication)

NSX for Operators: Introduction to SDDC and Network Virtualization: RLO06: NSX-T Data Center Logical Switching (Logical Switching Components)

NSX for Operators: Introduction to SDDC and Network Virtualization: RLO07: NSX-T Data Center Logical Routing (Logical Routing Components)

NSX for Operators: Introduction to SDDC and Network Virtualization: RLO09: NSX-T Data Center Security (Service Insertion)

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-DF689847-252E-451E-84B5-DB507CC010AC.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-86C8D6BB-F185-46DC-828C-1E1876B854E8.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-Validated-Design/5.0.1/com.vmware.vvd.sddc-nsxt-design.doc/GUID-CF3C47CA-9BEB-4213-8F08-1494261BF3EC.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/installation/GUID-55E5C735-18AD-43F8-9BE5-F75D5B8C6EDB.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-FBFD577B-745C-4658-B713-A3016D18CB9A.html>

NSX-T Online Documentation: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-FBFD577B-745C-4658-B713-A3016D18CB9A.html>

## Certification Requirements

VCTA-NV 2022

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