

# 5V0-41.21

## VMware NSX-T Data Center 3.1 Security

### Exam Details (Last Updated: 1/29/2021)

VMware NSX-T Data Center Security exam (5V0-41.21) which leads to VMware NSX-T Data Center Security Skills badge is a 70-item exam, with a passing score of 300 using a scaled scoring method. Candidates are given 130 minutes to complete the exam, which includes adequate time to complete the exam for non-native English speakers.

### 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 (MQC) understands network security concepts and can describe VMware's Intrinsic Security vision. They can administer and troubleshoot NSX-T Data Center 3.1 security features and functions, including User and Role Management, Distributed Firewall, Gateway Firewall, IDS/IPS, and URL Analysis. The candidate should have 1 year experience working in IT, hands-on experience working with NSX-T, and basic knowledge of KVM and vSphere. The MQC should have all the knowledge contained in the exam sections below.

### 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 Tasks

If a section does not have testable objectives in this version of the exam, it will be noted below, accordingly. 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 this Exam

#### Section 1 – Architectures and Technologies

- Objective 1.1 – Describe information management security
- Objective 1.2 – Describe firewalls and their function
- Objective 1.3 – Describe IDS/IPS
- Objective 1.4 – Describe Zero-Trust Security
- Objective 1.5 – Describe AAA and CIA

#### Section 2 – VMware Products and Solutions

- Objective 2.1 – Describe VMware Security portfolio
- Objective 2.2 – Describe NSX Distributed Firewall
- Objective 2.3 – Describe NSX Distributed IDS/IPS
- Objective 2.4 – Describe NSX Intelligence
- Objective 2.5 – Describe NSX Edge Security (Gateway Firewall and URL Analysis)
- Objective 2.6 – Describe NSX Segmentation
- Objective 2.7 – Describe North-South insertion
- Objective 2.8 – Describe East-West insertion

Section 3 – There are no testable objectives for this section.

#### Section 4 – Installing, Configuring, and Setup

- Objective 4.1 – Manage users and roles (LDAP, RBAC, Active Directory, etc.)
- Objective 4.2 – Configure and manage distributed firewall policies and rules
- Objective 4.3 – Configure manage time based firewalls rules
- Objective 4.4 – Configure identity firewalls rules
- Objective 4.5 – Configure gateway firewalls rules
- Objective 4.6 – Configure and manage distributed IDS/IPS (signatures, profiles, rules)
- Objective 4.7 – Configure and manage URL analysis
- Objective 4.8 – Install and configure Guest Introspection agent components in VMTools
- Objective 4.9 – Deploy NSX Intelligence appliance

Objective 4.10 – Visualize traffic flows and create security recommendations using NSX Intelligence

Objective 4.11 – Create and manage security groups

Objective 4.12 – Enable logging on hosts and Edge transport nodes

Objective 4.13 – Configure logging for specific security features (IDS, Distributed Firewall, Gateway Firewall)

Section 5 – There are no testable objectives for this section.

Section 6 – Troubleshooting and Repairing

Objective 6.1 – Validate guest introspection is operational

Objective 6.2 – Validate North-South and East-West network introspection is operational

Objective 6.3 – Verify the operation of Distributed Firewall

Objective 6.4 – Verify the operation of Gateway Firewall rules

Objective 6.5 – Verify the operation of IDS/IPS

Objective 6.6 – Verify the operation of URL analysis

Objective 6.7 – Identify and review log files and events related to firewalls, IDS/IPS, URL Analysis

Objective 6.8 – Verify logging is enabled on hosts and Edge transport nodes

Section 7 – There are no testable objectives for this section.

### Recommended Courses

NSX-T Data Center Install, Config, Manage [3.X]

NSX-T Data Center for Intrinsic Security

### References\*

In addition to the recommended courses, item writers used the following references for information when writing exam questions. It is recommended that you study the reference content as you prepare to take the exam, in addition to any recommended training.

Name	Products
<a href="http://www.vmware.com">http://www.vmware.com</a>	NSX-T Data Center 3.1
<a href="http://kb.vmware.com">http://kb.vmware.com</a>	NSX-T Data Center 3.1
<a href="https://blogs.vmware.com">https://blogs.vmware.com</a>	NSX-T Data Center 3.1
<a href="https://docs.vmware.com">https://docs.vmware.com</a>	NSX-T Data Center 3.1
<a href="https://www.vmware.com/support/pubs/">https://www.vmware.com/support/pubs/</a>	NSX-T Data Center 3.1
<a href="https://www.vmware.com/techpapers.html">https://www.vmware.com/techpapers.html</a>	NSX-T Data Center 3.1

<a href="http://pubs.vmware.com">http://pubs.vmware.com</a>	NSX-T Data Center 3.1
*VMware NSX-T Data Center content in this exam is based on version 3.1. Review all 3.1 release notes and material for features and function.	

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