

VMware

5V0-41.21
VMware NSX-T Data Center 3.1 Security

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Question: 1

Which esxcli command lists the firewall configuration on ESXi hosts?

- A. esxcli network firewall ruleset list
- B. vsipioct1 getrules -filter <filter-name>
- C. esxcli network firewall rules
- D. vsipioct1 getrules -f <filter-name>

Answer: A

Explanation:

This command allows you to display the current firewall ruleset configuration on an ESXi host. It will show the ruleset names, whether they are enabled or disabled, and the services and ports that the ruleset applies to.

For example, you can use the command "esxcli network firewall ruleset list" to list all the firewall rulesets on the host.

You can also use the command "esxcli network firewall ruleset rule list -r <ruleset_name>" to display detailed information of the specific ruleset, where <ruleset_name> is the name of the ruleset you want to display.

It's important to note that you need to have access to the ESXi host's command-line interface (CLI) and have appropriate permissions to run this command.

https://docs.vmware.com/en/VMwarevSphere/6.7/com.vmware.vcli.ref.doc/esxcli_network_firewall_ruleset.html

Question: 2

Which three are required by URL Analysis? (Choose three.)

- A. NSX Enterprise or higher license key
- B. Tier-1 gateway
- C. Tier-0 gateway
- D. OFW rule allowing traffic OUT to Internet
- E. Medium-sized edge node (or higher), or a physical form factor edge
- F. Layer 7 DNS firewall rule on NSX Edge cluster

Answer: B, D, F

Explanation:

To use URL Analysis, you will need to have a Tier-1 gateway and a Layer 7 DNS firewall rule on the NSX Edge cluster. Additionally, you will need to configure an OFW rule allowing traffic OUT to the Internet.

Lastly, a medium-sized edge node (or higher), or a physical form factor edge is also required as the URL Analysis service will run on the edge node. For more information, please see this VMware Documentation article[1], which explains how to configure URL Analysis on NSX.

[1] https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.1/nsxt_31_url_analysis/GUID-46BC65F3-7A45-4A9F-B444-E4A1A7E0AC4A.html

Question: 3

Which two are requirements for URL Analysis? (Choose two.)

- A. The ESXi hosts require access to the Internet to download category and reputation definitions.
- B. A layer 7 gateway firewall rule must be configured on the tier-0 gateway uplink to capture DNS traffic.
- C. A layer 7 gateway firewall rule must be configured on the tier-1 gateway uplink to capture DNS traffic.
- D. The NSX Edge nodes require access to the Internet to download category and reputation definitions.
- E. The NSX Manager requires access to the Internet to download category and reputation definitions.

Answer: CD

Explanation:

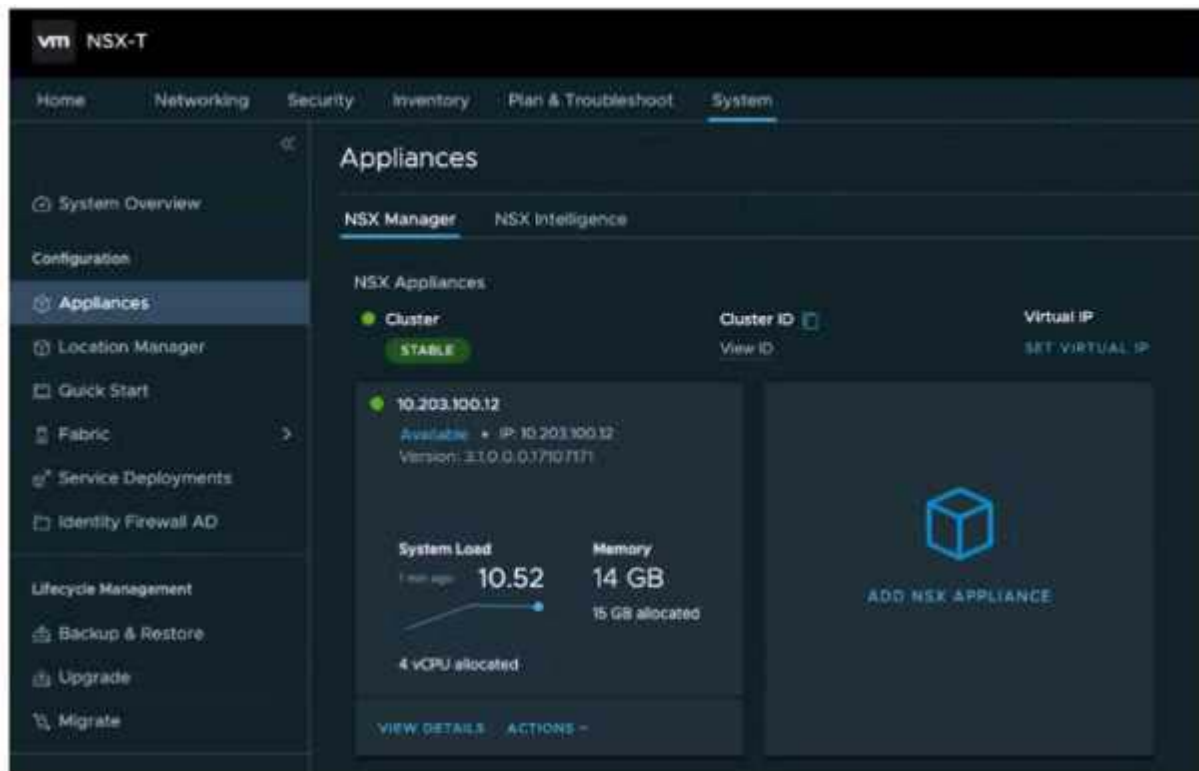
The NSX Edge nodes require access to the Internet to download category and reputation definitions, and a layer 7 gateway firewall rule must be configured on the tier-1 gateway uplink to capture DNS traffic.

This will allow the URL Analysis service to analyze incoming DNS traffic and block malicious requests. For more information, please see this VMware Documentation article[1], which explains how to configure URL Analysis on NSX.

[1] https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.1/nsxt_31_url_analysis/GUID-46BC65F3-7A45-4A9F-B444-E4A1A7E0AC4A.html

Question: 4

Refer to the exhibit.



Referencing the exhibit, what is the VMware recommended number of NSX Manager Nodes to additionally deploy to form an NSX-T Manager Cluster?

- A. 4
- B. 3
- C. 2
- D. 5

Answer: B

Question: 5

In a brownfield environment with NSX-T Data Center deployed and configured, a customer is interested in Endpoint Protection integrations. What recommendation should be provided to the customer when it comes to their existing virtual machines?

- A. Virtual machine must be protected by vSphere HA.
- B. Virtual machine hardware should be version 10 or higher.
- C. A minimum installation of VMware tools is required.
- D. A custom install of VMware tools is required to select the drivers.

Answer: D

Explanation:

Endpoint Protection (EPP) integrations with NSX-T Data Center typically involve installing a security agent on the virtual machines (VMs) in the environment. This agent communicates with the NSX-T Data Center platform to provide security features such as antivirus and intrusion detection.

In order for the agent to work properly, it is important that the correct drivers are installed on the VMs. Typically, this is done by installing VMware tools on the VMs, which provides the necessary drivers. However, in a brownfield environment, the VMs may already have VMware tools installed and the drivers may not be the correct version for the agent to work properly. In this case, it is recommended to perform a custom install of VMware tools and select the drivers specifically for the agent.

Reference:

VMware NSX-T Data Center Endpoint Protection documentation <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.1/com.vmware.nsxt.epp.doc/GUID-C6F7F8C3-2F7B-4D5C-974FF9C9E5BD5C5F.html>

VMware Tools documentation https://docs.vmware.com/en/VMwarevSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-D2F7D8C9-9D05-4F0F-A717-C4B4D4F4E4E4.html

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