



2V0-41.23^{Q&As}

VMware NSX 4.x Professional

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QUESTION 1

Which two choices are solutions offered by the VMware NSX portfolio? (Choose two.)

- A. VMware Tanzu Kubernetes Grid
- B. VMware Tanzu Kubernetes Cluster
- C. VMware NSX Advanced Load Balancer
- D. VMware NSX Distributed IDS/IPS
- E. VMware Aria Automation

Correct Answer: CD

VMware NSX is a portfolio of networking and security solutions that enables consistent policy, operations, and automation across multiple cloud environments¹ The VMware NSX portfolio includes the following solutions: VMware NSX Data Center: A platform for data center network virtualization and security that delivers a complete L2-L7 networking stack and overlay services for any workload¹ VMware NSX Cloud: A service that extends consistent networking and security to public clouds such as AWS and Azure¹ VMware NSX Advanced Load Balancer: A solution that provides load balancing, web application firewall, analytics, and monitoring for applications across any cloud² VMware NSX Distributed IDS/IPS: A feature that provides distributed intrusion detection and prevention for workloads across any cloud² VMware NSX Intelligence: A service that provides planning, observability, and intelligence for network and micro-segmentation¹ VMware NSX Federation: A capability that enables multi-site networking and security management with consistent policy and operational state synchronization¹ VMware NSX Service Mesh: A service that connects, secures, and monitors microservices across multiple clusters and clouds¹ VMware NSX for Horizon: A solution that delivers secure desktops and applications across any device, location, or network¹ VMware NSX for vSphere: A solution that provides network agility and security for vSphere environments with a built-in console in vCenter¹ VMware NSX-T Data Center: A platform for cloud-native applications that supports containers, Kubernetes, bare metal hosts, and multi-hypervisor environments¹ VMware Tanzu Kubernetes Grid and VMware Tanzu Kubernetes Cluster are not part of the VMware NSX portfolio. They are solutions for running Kubernetes clusters on any cloud³ VMware Aria Automation is not a real product name. It is a fictional name that does not exist in the VMware portfolio.

<https://blogs.vmware.com/networkvirtualization/2020/01/nsx-hero.html/>

QUESTION 2

Which three protocols could an NSX administrator use to transfer log messages to a remote log server? (Choose three.)

- A. HTTPS
- B. TCP
- C. SSH
- D. UDP
- E. TLS
- F. SSL



Correct Answer: BDE

An NSX administrator can use TCP, UDP, or TLS protocols to transfer log messages to a remote log server. These protocols are supported by NSX Manager, NSX Edge, and hypervisors for remote logging. A Log Insight log server supports all these protocols, as well as LI and LI-TLS, which are specific to Log Insight and optimize network usage. HTTPS, SSH, and SSL are not valid protocols for remote logging in NSX-T Data Center. References: : VMware NSX-T Data Center Administration Guide, page 102. : VMware Docs: Configure Remote Logging

QUESTION 3

Where in the NSX UI would an administrator set the time attribute for a time-based Gateway Firewall rule?

- A. The option to set time-based rule is a clock icon in the rule.
- B. The option to set time based rule is a field in the rule itself.
- C. There is no option in the NSX UI. It must be done via command line interface.
- D. The option to set time-based rule is a clock icon in the policy.

Correct Answer: D

According to the VMware documentation¹, the clock icon appears on the firewall policy section that you want to have a time window. By clicking the clock icon, you can create or select a time window that applies to all the rules in that policy section. The other options are incorrect because they either do not exist or are not related to the time-based rule feature. There is no option to set a time-based rule in the rule itself, as it is a policy-level setting. There is also an option to set a time-based rule in the NSX UI, so it does not require using the command line interface.

<https://docs.vmware.com/en/VMware-NSX/4.1/administration/GUID-8572496E-A60E-48C3-A016-4A081AC80BE7.html>

QUESTION 4

An administrator has connected two virtual machines on the same overlay segment. Ping between both virtual machines is successful. What type of network boundary does this represent?

- A. Layer 2 VPN
- B. Layer 2 bridge
- C. Layer 2 broadcast domain
- D. Layer 3 route

Correct Answer: C

An overlay segment is a logical construct that provides Layer 2 connectivity between virtual machines that are attached to it. An overlay segment can span multiple hosts and can be extended across different subnets or locations using Geneve encapsulation³. Therefore, two virtual machines on the same overlay segment belong to the same Layer 2 broadcast domain, which means they can communicate with each other using their MAC addresses without requiring any routing. The other options are incorrect because they involve Layer 3 or higher network boundaries, which require routing or tunneling to connect different segments. References: VMware NSX Documentation

**QUESTION 5**

An NSX administrator is troubleshooting a connectivity issue with virtual machines running on an ESXi transport node. Which feature in the NSX UI shows the mapping between the virtual NIC and the host's physical adapter?

- A. Port Mirroring
- B. Switch Visualization
- C. Activity Monitoring
- D. IPFIX

Correct Answer: B

According to the VMware NSX Documentation, Switch Visualization is a feature in the NSX UI that shows the mapping between the virtual NIC and the host's physical adapter for virtual machines running on an ESXi transport node. You can use Switch Visualization to view details such as port ID, MAC address, VLAN ID, IP address, MTU, port state, port speed, port type, and port group for each virtual NIC and physical adapter.

<https://docs.vmware.com/en/VMware-NSX/4.1/installation/GUID-55E5C735-18AD-43F8-9BE5-F75D5B8C6EDB.html>

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