VMware

Exam Questions 3V0-42.20

Advanced Design VMware NSX-T Data Center

NEW QUESTION 1
A telecom company has purchased NSX-T as part of a Software Defined Data Center (SDDC) initiative. The company wants to ensure the highest performance for network traffic leaving the virtual environment.

A. Configure Equal-Cost Multi-Pathing on the NSX Edges.
B. Configure SR-IOV for the virtual NSX Edges.
C. Use bare metal NSX Edges.
D. Select Network cards that support VXLAN Offload.
E. Set ??Latency Sensitive?? option to High when deploying the virtual NSX Edges.

Answer: BE

NEW QUESTION 2
An NSX-T Architect is working in a brownfield environment with 4 ESXi hosts. These constraints were documented:

new servers cannot be purchased
North/South bandwidth must be guaranteed
Top-of-Rack switches have additional uplinks
Which three recommendations should the architect implement? (Choose three.)

A. Remove one of the ESXi hosts and install a bare-metal Edge.
B. Use a resource pool for production workloads.
C. Use a resource pool to deploy the Edge nodes on.
D. Recommend obtaining 2 new physical NICs for the servers.
E. Install Edge nodes on a separate cluster.

Answer: ACD

NEW QUESTION 3
A Solutions Architect is working with a customer which wants to extend their traditional Telco IP/MPLS core network to an NFV cloud.
Which NSX-T Data Center feature can be recommended by the architect? (Choose the best answer.)

A. Distributed IDS
B. EVPN
C. Load Balancer
D. BGP

Answer: D

NEW QUESTION 4
Which selection must be taken into consideration when creating a Logical Design for a planned migration? (Choose the best answer.)

A. An N-VDS can only attach to a single Overlay transport zone.
B. An N-VDS can only attach to a single VLAN transport zone.
C. An N-VDS can attach to both an Overlay and a VLAN transport zone to a N-VDS having different name/s.
D. An N-VDS must be disabled before attaching both Overlay and VLAN transport zones.

Answer: B

NEW QUESTION 5
Which three choices are part of a Design Approach when discussing design alternatives and their effects? (Choose three.)

A. backup
B. budget
C. cost
D. performance
E. knowledge
F. security

Answer: DEF

NEW QUESTION 6

A customer wants to use ECMP to provide additional throughput and availability for their critical business applications. Some applications require load balancing for scale and availability.

Which two Edge design choices can an architect present to the customer? (Choose two.)

A. Create a Tier-0 gateway in Active/Standby mode and a Tier-1 gateway in Active/Standby mode.
B. Configure ECMP and Load Balancing on the Tier-0 gateway.
C. Create a Tier-0 gateway in Active/Active mode and a Tier-1 gateway in Active/Standby mode.
D. Create a Tier-0 gateway in Active/Standby mode.
E. Configure ECMP on the Tier-0 gateway and Load Balancing on the Tier-1 gateway.

Answer: BD

NEW QUESTION 7

An architect is helping an organization with the Physical Design of an NSX-T Data Center solution. This information was gathered during a workshop:

Migrating existing data center to KVM hosts.
Redundancy and high availability are required.
No component can be a single point of failure.
Which selection should the architect recommend? (Choose the best answer.)

A. Linux Bridge redundancy with Active/Active Mode and multiple pNICs with necessary binding
B. Linux Bridge redundancy with Active/Active Mode and single pNIC with static binding
C. vSS/vDS in Active/Standby Mode with necessary binding
D. vSS/vDS in Active/Active Mode with necessary pNICS and required binding modes

Answer: C

NEW QUESTION 8

An architect is helping an organization with the Logical Design of an NSX-T Data Center solution. This information was gathered during the Assessment Phase:
Maximum performance and availability is required between the physical and virtual network.
Load Balancing service is required for back-end web servers.
NAT is required.
Which selection should the architect include in their design? (Choose the best answer.)

A. Deploy a Tier-1 gateway and connect it to an Active/Active Tier-0 gateway with ECMP configured.
B. Deploy an Active/Active Tier-0 gateway and configure ECMP.
C. Deploy an Active/Standby Tier-0 gateway and configure ECMP.
D. Create two separate VLANs to connect the Tier-0 gateway upstream traffic and configure ECMP.

Answer: C

NEW QUESTION 9

A Solution Architect will be deploying an Ethernet Virtual Private Network (EVPN) in their NSX-T Data Center environment.
What two selections must be prepared for the EVPN deployment? (Choose two.)

A. deployed Tier-0 gateway
B. deployed Load Balancer
C. deployed Tier-1 gateway
D. remote gateway with support for IGP and VLAN priority
E. remote gateway with support for MP-BGP and VXLAN

Answer: BE

NEW QUESTION 10

An architect is helping an organization with the Physical Design of an NSX-T Data Center solution. This information was gathered during a workshop about ESXi Host networking:
A total of 50 ESXi hosts to be configured as Transport Nodes.
All ESXi hosts have a dedicated 2 ?? Intel 10Gbps Physical Network adapter for the Overlay Traffic. To achieve low latency, high throughput, redundancy, and performance, which two NIC teaming policies
should the architect recommend? (Choose two.)

A. Load Balance Source MAC
B. Load Balance Port ID
C. Load Balance Source
D. Load Balance Source Port ID
E. Failover Order

Answer: DE

NEW QUESTION 10
Which two protocols are typically used for multicast in a NSX-T Data Center environment? (Choose two.)

A. PIM Full Form
B. PIM Dense Mode
C. IGMPv2
D. PIM Sparse mode
E. IGMPv3

Answer: CD

NEW QUESTION 11
Which three choices are non-functional requirements? (Choose three.)

A. authorization
B. certification
C. availability
D. authentication
E. scalability
F. cost

Answer: ABE

NEW QUESTION 15
An architect is helping an organization with the Physical Design of an NSX-T Data Center solution. This information was gathered during a workshop:
 There are six hosts and hardware has already been purchased.
 Customer is planning a collapsed Management/Edge/Compute cluster.
 Each host has two 10Gb NICs connected to a pair of switches.
 There should be no single point of failure in any proposed design.
Which virtual switch design should the architect recommend to the organization? (Choose the best answer.)

A. Create a vSphere Distributed Switch (vDS) for Management VMkernel traffic and assign one NI
B. Also, create an NSX-T Virtual Distributed Switch (N-VDS) for overlay traffic and assign one NIC.
C. Create an NSX-T Virtual Distributed Switch (N-VDS) for Management VMkernel traffic and assign one NI
D. Also, create an NSX-T Virtual Distributed Switch (N-VDS) for overlay traffic and assign one NIC.
E. Create an NSX-T Virtual Distributed Switch (N-VDS) for Management VMKernel and overlay traffic and assign both NICs.
F. Create an NSX-T Virtual Distributed Switch (N-VDS) for Management VMkernel and overlay traffic and assign a new virtual NIC.

Answer: A

NEW QUESTION 20
Which two resources can be used by an NSX architect during the Assessment Phase? (Choose two.)

A. vRealize Network Insight
B. VMware Validated Design
C. VMware customer references
D. key stakeholder interviews
E. application licensing

Answer: AE

NEW QUESTION 21
According to the Discover Task of the Engagement Lifecycle, which statement would be classified as a risk? (Choose the best answer.)

A. Enough power and cooling capacity is available in each rack in the data center.
B. To retain certification to provide financial services to end customers, PCI-DSS audits need to be passed.
C. A merger and acquisition process was recently completed and new company on-boarding is not completed.
D. Due to existing contracts and purchase agreements, the existing server hardware needs to be reused.

Answer: B

NEW QUESTION 26
An administrator is asked to improve Recovery Point Objective (RPO) and Recovery Time Objective (RTO) for Disaster Recovery (DR) in their company network. The network has a primary site and a secondary site. The ability to support outages with minimum loss of connectivity to the company??s core application is a priority.
Which design should the administrator recommend? (Choose the best answer.)

A. NSX-T Data Center using an Orchestrator to recover VMs across sites.
B. NSX-T Data Center using Federation and dependencies set between primary and secondary sites.

C. NSX-T Data Center using a registered third-party DR solution.
D. NSX-T Data Center using built-in standard automation DR and secondary site recovery setup.

Answer: B

NEW QUESTION 27
Refer to the exhibits.
Design Option1:

Design Option 2:

Design Option 3:

Design Option 4:

An architect is helping an organization with the Conceptual Design of an NSX-T Data Center solution. The conceptual design includes these requirements, assumptions, constraints, and risks:
 Critical applications must run across sites without changing IP address.
RTO/RPO must be reduced for recovery of applications on secondary site.
 IT Teams require automation tools for configuration.
Which Conceptual Design would the architect recommend to the customer? (Choose the best answer.)

A. Design Option 4
B. Design Option 2
C. Design Option 1
D. Design Option 3

Answer: C

NEW QUESTION 28
An architect is helping an organization with the Conceptual Design of an NSX-T Data Center solution. Which three selections are requirements documented by an architect? (Choose three.)

A. Aggregate N-S throughput at any given time should be at least 10G.
B. All traffic should recover in the event of Host/Rack/ToR failure.
C. Hardware is 5 years old and new hardware is already purchased.
D. SAN storage has enough capacity to build the new infrastructure.
E. Business critical applications should have an SLA of 99.99%.
F. The Development Team are heavy on API usage.

Answer: ACF

NEW QUESTION 29
An architect is helping an organization with the Logical Design of an NSX-T Data Center solution. This information was gathered during the Assessment Phase:
 Data between two networks connected over a public network needs to be encrypted.
 Certificate authentication is required.
 Dynamic route learning is preferred.
Which selection should the architect include in their design? (Choose the best answer.)

A. Deploy a Tier-0 gateway in Active/Standby mod
B. Configure policy-based IPSec VPN with SHA512 with RSA as the hash algorithm.
C. Deploy a Tier-0 gateway in Active/Active mod
D. Configure route-based IPSec VPN with SHA512 with RSA as the hash algorithm.
E. Deploy a Tier-0 gateway in Active/Standby mod
F. Configure route-based IPSec VPN with SHA512 with RSA as the hash algorithm.

G. Deploy a Tier-0 gateway in Active/Active mod
H. Configure policy-based IPSec VPN with SHA512 with RSA as the hash algorithm.

Answer: C

NEW QUESTION 30
A customer wants to place their NSX Managers in different subnets.
Which would an architect recommend to support the request? (Choose the best answer.)

A. Use a load balancer.
B. Use round-robin DNS.
C. Use NAT.
D. Use a cluster Virtual IP.

Answer: D

NEW QUESTION 33
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