

VMware

Exam Questions 3V0-42.20

Advanced Design VMware NSX-T Data Center



NEW QUESTION 1

A customer has a requirement to implement a next generation firewall (NGFW) to improve security network introspection. The customer wants to apply the NGFW to all workloads exposed both internally and externally. The customer wants the NGFW to work seamlessly with NSX-T Data Center and vSphere. Which solution should be recommended to the customer? (Choose the best answer.)

- A. Use network introspection only on the external workloads and use NSX DFW for internal workloads.
- B. Apply the NGFW on bare metal hosts which will offer better performance of inline network introspection.
- C. Apply the NGFW to internal and external workloads for increased protection and use NSX-T Data Center with Federation to set network policies.
- D. Use NSX-T Data Center leveraged with NSX Intelligence to protect all workloads at the network inspection level.

Answer: D

NEW QUESTION 2

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 3

An architect is helping an organization with the Conceptual Design of an NSX-T Data Center solution. Which risk is documented by an architect? (Choose the best answer.)

- A. The security team has a firewall communication matrix documented.
- B. The team is not trained for NSX-T but have a very strong experience with vSphere.
- C. Open communication between different application tiers is not allowed.
- D. Aggregate N-S throughput at any given time should be at least 10G.

Answer: B

NEW QUESTION 4

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 5

An architect is designing a solution for containerization. The solution will include high availability and security using NSX-T Data Center. The architect plans to provide a basic required components list in the Logical Design. Which solution should the architect recommend? (Choose the best answer.)

- A. 3 NSX Managers, 3 virtual NSX Edges, two Tier-0 gateways in Active/Standby, BGP configuration
- B. 2 NSX Managers, 2 virtual NSX Edges, one Tier-0 gateway, BGP configuration and a static route
- C. 3 NSX Managers, 3 virtual NSX Edges, one Tier-0 gateway and a static route and OSPF
- D. 1 NSX Manager, 2 virtual NSX Edges, two Tier-0 gateways in Active/Active, BGP configuration

Answer: A

NEW QUESTION 6

Which NSX-T feature is used to allocate the network bandwidth to business-critical applications and to resolve situations where several types of traffic compete for common resources? (Choose the best answer.)

- A. Network I/O Control Profiles
- B. LLDP Profile
- C. LAG Uplink Profile
- D. Transport Node Profiles

Answer: A

NEW QUESTION 7

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 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:

There is a performance based SLA for East to West traffic.
The business critical applications require prioritization of their traffic.
One of the services is a file share and has a high demand for bandwidth.

Which selection should the architect include in their design? (Choose the best answer.)

- A. Review average North/South traffic from the core switches and firewall.
- B. Include a segment QoS profile and review the impact of utilizing this feature.
- C. Meet with the organization's application team to get additional information.
- D. Monitor East-West traffic throughout normal business cycles.

Answer: B

NEW QUESTION 9

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:

There isn't much budget available for a new off shore site.
The new site is decentralized and no communication with the main data center is required.
The design will need to cater for availability, upgrades, and failure scenarios.
N+1 must be maintained at all times.

Which three selections should the architect recommend in their design? (Choose three.)

- A. Separate the hosts physical NICs for VSS and N-VDS.
- B. Make all pNICs part of N-VDS and VMKs will be migrated.
- C. Collapse the Management/Edge/Compute cluster.
- D. Install a minimum 4 ESXi hosts in the site.
- E. A Shared Edge/Management cluster and one for Compute.
- F. Install a minimum of 3 ESXi hosts in the site.

Answer: ABC

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:

Any proposed solution must provide low latency.

Any proposed solution must provide high throughput.
Customer is running stock trading applications.
Which two selections should the architect recommend to meet high-performance workload requirements?
(Choose two.)

- A. Leverage ESXi as the compute host.
- B. Use LACP for all uplink profiles.
- C. Leverage KVM as the compute host.
- D. Enable enhanced data path mode on the N-VDS.
- E. Enable latency sensitivity mode on the N-VDS.

Answer: AD

NEW QUESTION 10

Which two VMware recommendations should an architect follow when configuring top of rack (ToR) switches in an NSX-T Data Center environment? (Choose two.)

- A. Use only IPv4 addressing in all deployments.
- B. Configure redundant physical switches to enhance availability.
- C. Configure switch ports that connect to ESXi host manually as trunk ports.
- D. Configure switch ports with a Dynamic Trunking Protocol.
- E. Modify the Spanning Tree Protocol to increase the time to transition to the forwarding state.

Answer: DE

NEW QUESTION 15

An architect is helping an organization with the Conceptual Design of an NSX-T Data Center solution. This information was gathered by the architect during the Discover Task of the Engagement Lifecycle:

- There are applications which use IPv6 addressing.
- Network administrators are not familiar with NSX-T Data Center solutions.
- Hosts can only be configured with two physical NICs.
- There is an existing management cluster to deploy the NSX-T components.
- Dynamic routing should be configured between the physical and virtual network.
- There is a storage array available to deploy NSX-T components.

Which constraint was documented by the architect? (Choose the best answer.)

- A. Dynamic routing should be configured between the physical and virtual network.
- B. There are applications which use IPv6 addressing.
- C. Hosts can only be configured with two physical NICs.
- D. There are enough CPU and memory resources in the existing management cluster.

Answer: A

NEW QUESTION 20

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