



# 3V0-42.20<sup>Q&As</sup>

Advanced Design VMware NSX-T Data Center

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### QUESTION 1

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

Correct Answer: DE

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### QUESTION 2

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.

Correct Answer: ACF

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### QUESTION 3

A customer deploying NSX-T Data Center requires role based access controls be enforced in NSX Manager with these



requirements:

identity platform must be highly available authentication must be performed by customer's existing SAML identity provider MFA must be performed by administrator to gain access to NSX Manager

Which identity deployments would meet the customer's requirements? (Choose the best answer.)

- A. NSX Manager OAuth 2.0 registered to a 3-node Active Directory Federation Services cluster.
- B. NSX Manager OAuth 2.0 registered to a 2-node VMware Identity Manager cluster.
- C. NSX Manager OAuth 2.0 registered to a 2-node Active Directory Federation Services cluster
- D. NSX Manager OAuth 2.0 registered to a 3-node VMware Identity Manager cluster.

Correct Answer: D

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#### QUESTION 4

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.

Which two selections would an architect recommend to achieve the customer's goal? (Choose two.)

- 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.

Correct Answer: BE

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#### QUESTION 5

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

Correct Answer: CD

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Reference: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-6AAC33604F79-4FBF-BCC1-0D8C220B0621.html>

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### QUESTION 6

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

Some workloads should be moved to a Cloud Provider.

Extend network's VLAN or VNI across sites on the same broadcast domain.

Enable VM mobility use cases such as migration and disaster recovery without IP address changes.

Support 1500 byte MTU between sites.

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

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

Correct Answer: A

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### QUESTION 7

Which is a family of solutions for data center designs that span compute, storage, networking, and management, serving as a blueprint for a customer's Software Defined Data Center (SDDC) implementations? (Choose the best answer.)

- A. VMware SDDC Design
- B. VMware Validated Design
- C. VMware POC Design
- D. VMware Cloud Foundation

Correct Answer: B

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### QUESTION 8



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

Correct Answer: C

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#### QUESTION 9

A Solutions Architect is assisting a service provider with designing an NSX-T Data Center solution for these environments:

Virtual Data Center to Virtual Data Center connectivity Tenant workload on-boarding to Virtual Data Centers.

These requirements must be met:

scalability across 5 data centers all sites have a latency of 180ms MTU between sites is 1800 bandwidth is 100Mbps between sites multi-tenancy

Which two selections should the Solutions Architect propose to the service provider? (Choose two.)

- A. Configure Remote TEPs for stretching network services between Virtual Data Centers.
- B. Utilize SSL VPN for workloads on-boarding from on-premises to Virtual Data Centers.
- C. Configure IPsec VPN for Tenant T0 gateways for Virtual Data Centers connectivity
- D. Configure IPsec VPN for Tenant T1 gateways for Virtual Data Centers connectivity.
- E. Utilize L2 VPN for workloads on-boarding from on-premises to Virtual Data Centers.

Correct Answer: DE

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#### 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.

Correct Answer: AD

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#### QUESTION 11

An architect is helping an organization with the Logical Design of an NSX-T Data Center solution.

This information was gathered during the assessment:

There must be a performance based SLA for East - West traffic.

Which two key performance features should the architect recommend? (Choose two.)

- A. Configure N-VDS enhanced Data Path
- B. Install advanced Edge pNIC Features
- C. Setup RSS to leverage multiple cores
- D. Leverage DPDK drivers
- E. Enable GENEVE Offload

Correct Answer: CE

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#### QUESTION 12

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:



Customer is concerned with NSX Manager availability.

3 cabinets/racks are available in the data center.

No integration with 3rd party solution is required.

There is no budget for physical equipment acquisition.

The 3 cabinets/racks do not share the same L2 domain.

Which three selections should the architect include in their design to address the customer's concern with NSX Manager availability? (Choose three.)

- A. Deploy 2 cold standby NSX Manager appliances in rack 2/3.
- B. Use separate IP per NSX Manager appliance per rack.
- C. Use another NSX Manager IP in case an appliance fails.
- D. Deploy a single active NSX Manager appliance in rack 1.
- E. Deploy an NSX Manager Appliance per rack and cluster them.
- F. Use a physical/internal load-balancer with the cluster.

Correct Answer: ADE

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### QUESTION 13

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.

Correct Answer: B



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