

FORUM

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Actual exam question from VMware's 3V0-42.20

Question #: 3

Topic #: 1

[All 3V0-42.20 Questions]

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. Load Balancer
- B. Reflexive NAT
- C. SSL VPN
- D. L2 VPN

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Actual exam question from VMware's 3V0-42.20

Question #: 4

Topic #: 1

[All 3V0-42.20 Questions]

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 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.

Question #: 6

Topic #: 1

[All 3V0-42.20 Questions]

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 "" 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.

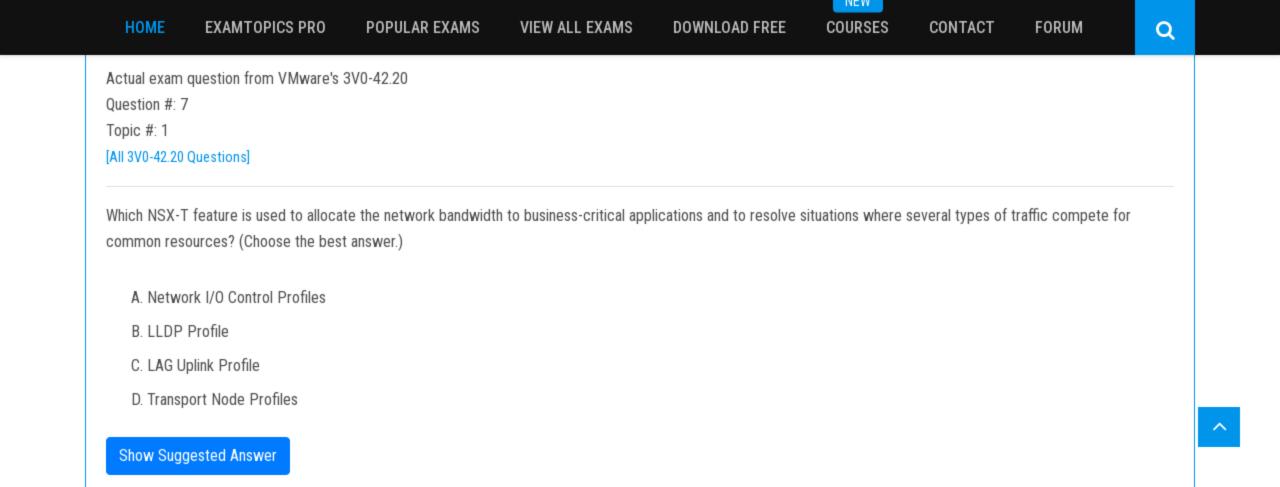
Which selection should the architect include in their design? (Choose the best answer.)

- 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.

**Show Suggested Answer** 

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Question #: 8

Topic #: 1

[All 3V0-42.20 Questions]

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 currently has a single 10 host vSphere cluster.
- Customer wants to improve network security and automation.
- Current cluster utilization and business policies prevent changing the existing vSphere deployment.
- High-availability is important to the customer.

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

- A. Apply vSphere DRS VM-Host anti-affinity rules to the virtual machines of the NSX-T Edge cluster.
- B. Deploy at least two NSX-T Edge virtual machines in the vSphere cluster.
- C. Deploy the NSX Controllers in the management cluster.
- D. Apply vSphere Distributed Resource Scheduler (vSphere DRS) VM-Host anti-affinity rules to NSX Managers.
- E. Remove 2 hosts from the cluster and create a new edge cluster.
- F. Remove vSphere DRS VM-Host affinity rules to the NSX-T Controller VMs.

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Actual exam question from VMware's 3V0-42.20

Question #: 9

Topic #: 1

[All 3V0-42.20 Questions]

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 Enagagement 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.

Question #: 11

Topic #: 1

[All 3V0-42.20 Questions]

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.

**Show Suggested Answer** 

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Question #: 13

Topic #: 1

[All 3V0-42.20 Questions]

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:

- NSX-T will span across two sites for disaster recovery.
- Public Load Balancer VIP should be accessible from a secondary site.
- Distributed Firewall Policies should be available at a secondary site.
- Routing capabilities should be maintained after failure.
- NAT capabilities are required.

Which two selections should the architect include in their design? (Choose two.)

- A. Use of the same ISPs across sites.
- B. Use two separate ISPs across sites.
- C. Use MTU to 1550 between sites.
- D. Set MTU to 1550 between sites.
- E. Use IP sets or groups to configure DFW rules.

**Show Suggested Answer** 

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Actual exam question from VMware's 3V0-42.20

Question #: 15

Topic #: 1

[All 3V0-42.20 Questions]

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

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Actual exam question from VMware's 3V0-42.20

Question #: 16

Topic #: 1

[All 3V0-42.20 Questions]

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

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Actual exam question from VMware's 3V0-42.20

Question #: 17

Topic #: 1

[All 3V0-42.20 Questions]

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

- A. Network administrators are not familiar with NSX-T Data Center solutions.
- B. Dynamic routing should be configured between the physical and virtual network.
- C. There are applications which use IPv6 addressing.
- D. There is a storage array available to deploy NSX-T components.

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Actual exam question from VMware's 3V0-42.20

Question #: 18

Topic #: 1

[All 3V0-42.20 Questions]

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:

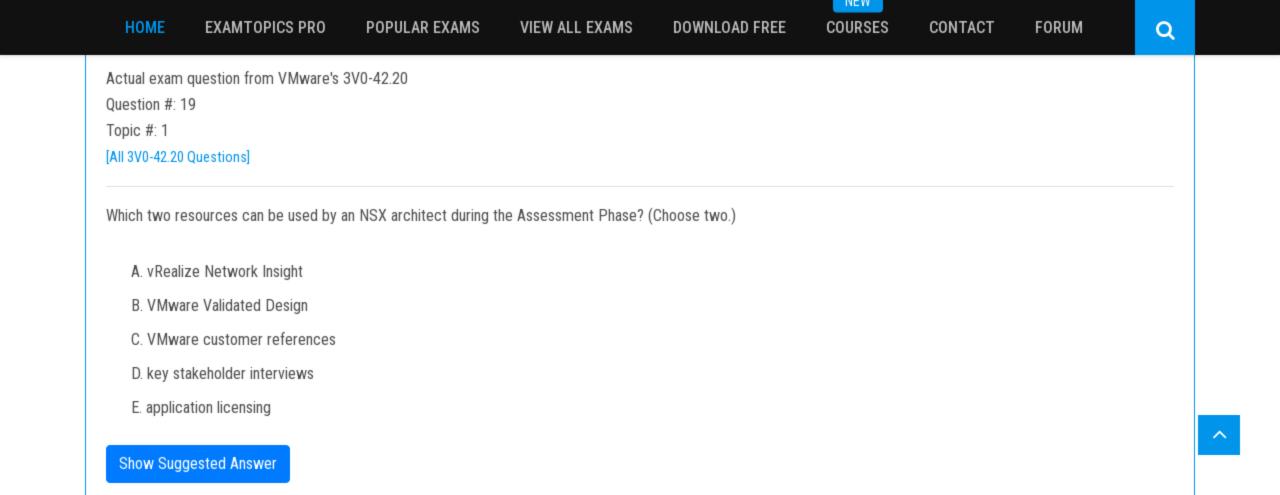
- A total of 50 ESXi hosts to be configured as Transport Nodes.
- ⇒ All ESXi hosts have a dedicated 2 × Intel 10Gbps Physical Network adapter for the Overlay Traffic.

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

**Show Suggested Answer** 

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Question #: 21

Topic #: 1

[All 3V0-42.20 Questions]

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

This information was gathered during a workshop:

- Current hypervisor of choice is KVM.
- Cost reduction is important.

Which two selections should the architect recommend to the organization? (Choose two.)

- A. Deploy Edge VM Nodes using ISO.
- B. Deploy NSX Manager using OVF.
- C. Deploy NSX Manager using QCOW2.
- D. Deploy bare metal Edge Nodes.
- E. Deploy Edge VM Nodes on KVM.

**Show Suggested Answer** 

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Actual exam question from VMware's 3V0-42.20

Question #: 22

Topic #: 1

[All 3V0-42.20 Questions]

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

This information was gathered during a workshop:

- The company will use a Leaf and Spine physical network architecture with Layer 3 gateways for top of rack switches.
- The company is planning to deploy 120 ESX hosts across 10 racks.
- There will be a total of a 12 clusters where each cluster has one host per rack.

What should the architect recommend to allow applications to run on any host in the cluster? (Choose the best answer.)

- A. Deploy all application networks on NSX segments.
- B. Deploy an L2 VPN to allow the networks to extend to each host.
- C. Deploy a Tier-0 gateway per Rack and configure BGP between racks.
- D. Deploy a Tier-1 gateway per Rack and configure BGP between racks.

**Show Suggested Answer** 

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Actual exam question from VMware's 3V0-42.20

Question #: 24

Topic #: 1

[All 3V0-42.20 Questions]

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.

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Actual exam question from VMware's 3V0-42.20

Question #: 25

Topic #: 1

[All 3V0-42.20 Questions]

An architect is helping an organization with the Logical Design of a Layer 2 bridging solution.

This information was gathered during the Assessment Phase:

- Workloads are running on ESXi hosts.
- Workloads are running on KVM hosts.
- Workloads on hypervisors should use bridging services.
- > VLAN 50 is used for Tier-0 uplink connectivity.

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

- A. Create an NSX Edge Bridge Cluster and configure the bridging profile with VLAN 60.
- B. Create an NSX Edge Bridge Cluster and configure the bridging profile with VLAN 50.
- C. Create an ESXi Bridge Cluster and configure the bridging profile with VLAN 50.
- D. Create an ESXi Bridge Cluster and configure the bridging profile with VLAN 60.

**Show Suggested Answer** 

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Question #: 26

Topic #: 1

[All 3V0-42.20 Questions]

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.)

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- 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.

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Actual exam question from VMware's 3V0-42.20

Question #: 30

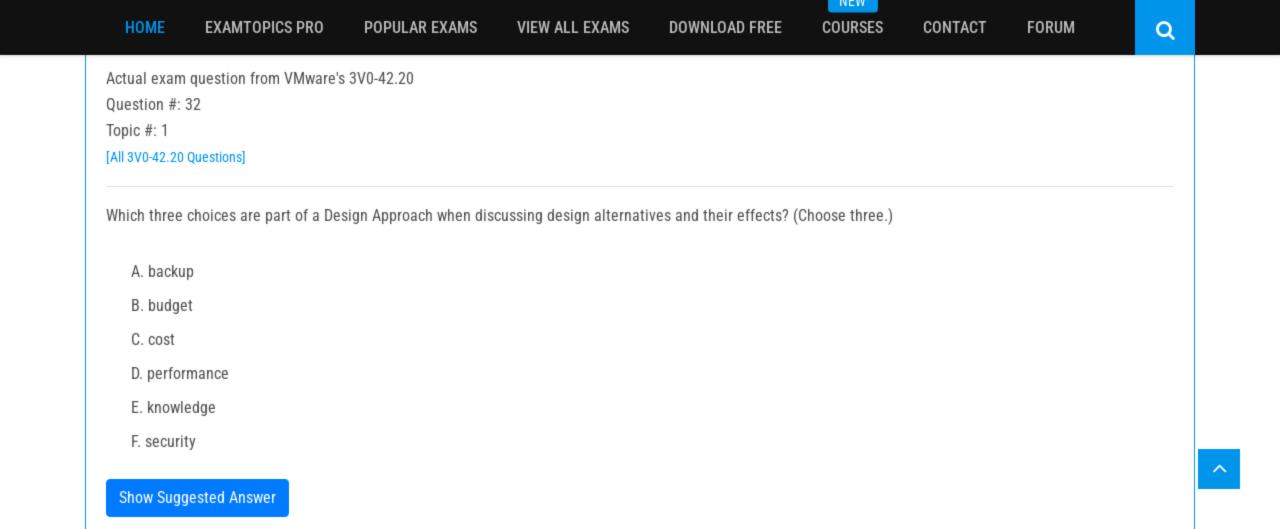
Topic #: 1

[All 3V0-42.20 Questions]

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.



Question #: 33

Topic #: 1

[All 3V0-42.20 Questions]

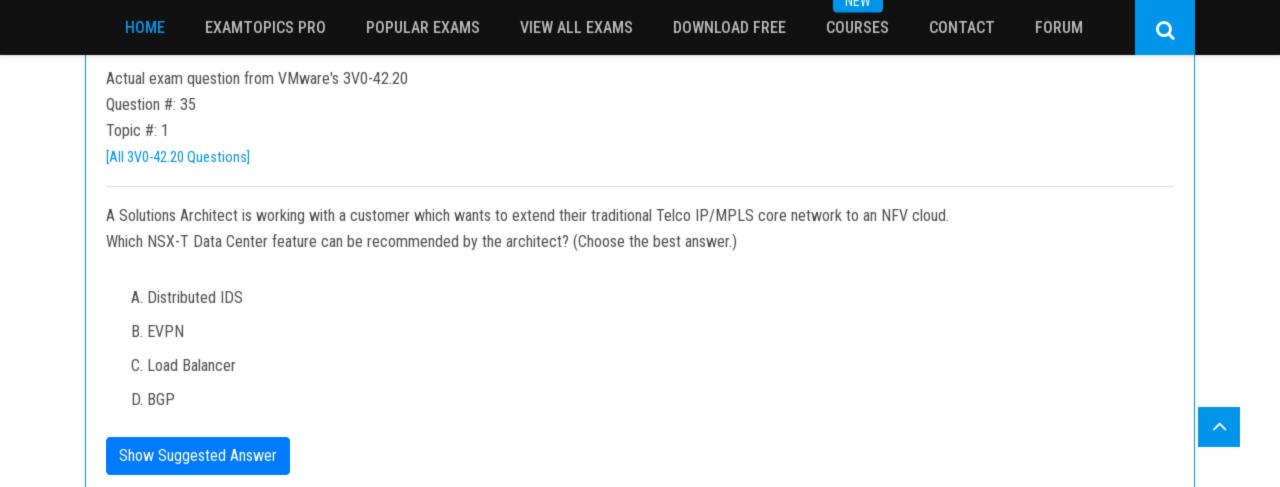
An architect is helping an organization with the Logical Design of an NSX-T Data Center solution.

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



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Question #: 36

Topic #: 1

[All 3V0-42.20 Questions]

An NSX-T architect is working with a customer who wants to improve performance and future-proof their workloads with a multi-site architecture.

A current-state analysis captured this information:

- Latency between sites is 160ms.
- ⇒ Bandwidth is 2Gbps.
- → The MTU is 1600.

What two VMware design recommendations should the architect recommend to the organization to achieve future-proofing? (Choose two.)

- A. MTU is recommended to be 9000.
- B. MTU must be at least 1700.
- C. Bandwidth must be at least 10Gbps.
- D. Latency RTT is acceptable.
- E. Latency must be less than 150ms.

**Show Suggested Answer** 

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Question #: 37

Topic #: 1

[All 3V0-42.20 Questions]

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 two requirements were documented by the architect? (Choose two.)

- A. There are applications which use IPv6 addressing.
- B. Dynamic routing should be configured between the physical and virtual network.
- C. Hosts can only be configured with two physical NICs.
- D. The storage array has enough capacity to deploy NSX components.
- E. Network administrators are not familiar with NSX-T Data Center solutions.

Question #: 38

Topic #: 1

[All 3V0-42.20 Questions]

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.

**Show Suggested Answer** 

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