



VMware

Exam Questions 3V0-42.20

Advanced Design VMware NSX-T Data Center

NEW QUESTION 1

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.

Answer: ACE

NEW QUESTION 2

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.

Answer: DE

NEW QUESTION 3

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 4

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.

Answer: AE

NEW QUESTION 5

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

There is a critical application used by the Finance Team.
The critical application has an availability and recoverability SLA of 99.999%.
The critical application is sensitive to network changes.
Which two selections should an architect include in their design? (Choose two.)

- A. Configure Tier-0 gateway for eBGP and ECMP.
- B. Configure Tier-1 gateway for eBGP and ECMP.
- C. Enable BFD on Tier-0 gateway.
- D. Install and configure hosts with 100Gbps physical NICs.
- E. Configure multiple static routes on Tier-1 gateway.

Answer: BD

NEW QUESTION 6

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 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 about ESXi Host networking:

A total of 50 ESXi hosts to be configured as Transport Nodes.
All ESXi hosts have a dedicated 2 x 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 8

Which two benefits can be achieved using in-band management of an NSX Bare Metal Edge Node? (Choose two.)

- A. Reduces storage requirements.
- B. Reduces cost.
- C. Preserves packet locality.
- D. Reduces egress data.
- E. Preserves switchports.

Answer: BD

NEW QUESTION 9

What selection is the key design benefit provided by a dedicated Edge Cluster VM or Bare Metal? (Choose the best answer.)

- A. reduced administrative overhead
- B. predictable network performance
- C. multiple Tier-0 gateways per Edge Node Cluster
- D. support for Edge Node Clusters with more than 10 Edge Nodes

Answer: B

NEW QUESTION 10

Which three IPv6 features are supported in an NSX-T Data Center design? (Choose three.)

- A. IPv6 OSPF
- B. IPv6 static routing
- C. IPv6 switch security
- D. IPv6 DNS
- E. IPv6 Distributed Firewall
- F. IPv6 VXLAN

Answer: BCE

NEW QUESTION 10

Which three assessment findings are part of a Conceptual Design? (Choose three.)

- A. risks
- B. host names
- C. justifications
- D. constraints
- E. assumptions
- F. vendor model

Answer: ACD

NEW QUESTION 12

Which type of design includes vendor models, host names, IP Addresses, port connections, logical unit number sizes, and number of CPUs? (Choose the best answer.)

- A. Physical Design
- B. Conceptual Design
- C. High-Level Design
- D. Logical Design

Answer: A

NEW QUESTION 15

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