

3V0-41.19^{Q&As}

Advanced Design NSX-T Data Center 2.4

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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:

1.

Migrating existing data center to KVM hosts.

2.

Redundancy and high availability are imperatives.

3.

No component can be a single point of failure.

4.

Budget is not a constraint.

Which should the architect recommend?

A. Linux Bridge redundancy with Active/ Active Mode and single pNIC with static binding

B. vSS / vDS in Active/ Passive Mode with necessary binding

C. vSS/ vDS in Active/Active Mode with necessary pNICS and required binding modes

D. Linux Bridge redundancy with Active/ Active Mode and multiple pNICs with necessary binding

Correct Answer: B

I do have to laugh that they are migrating to KVM but budget isn't a constraint, lol.

* NSX-T Edges performing bridging can only be active/standby. If this is an Edge VM then it would potentially be connected to a standard vSS/vDS, in which case (B) is the best answer

QUESTION 2

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:

1.

There is a performance based SLA for East - West traffic.

2.

The business critical applications require prioritization of their traffic.

3.

One of the services is a file share and has a high demand for bandwidth.

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

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

Correct Answer: AD

*

(E) isn't a design decision or relating to the design.

*

(B) applies QoS and doesn't review the impact, this could violate SLAs w/o understanding the impact

*

(C) reviewing N/S core switch and firewall does nothing for the above requirements/assessment phase.

QUESTION 3

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?

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

Correct Answer: D

HA should include 3 NSX Managers and redundant Tier-0 Gateways. OSPF isn't supported <https://docs.vmware.com/en/VMware-Enterprise-PKS/1.5/vmware-enterprise-pks-15/GUID-nsxt-install-nsxmgmt-cluster.html>

QUESTION 4

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:

1.

Any solution should add more value to current and future customers engagements.

2.

The solution should improve the company's operational efficiency.

3.

The design should offer agility and freedom for application phases.

4.

There should be improvement in application life cycle SLAs.

5.

Current physical solution is composed of many vendors taking care of many layers of security, but it is getting complex. A reduction in complexity will be something expected from any solution.

6.

Current business continuity and disaster recovery plans are based on tape technology. A public cloud class of service should be party of any new solution.

7.

Scripts are used for repeatable tasks in combination with many open source tools.

8.

Delays are Incurred with new marketing campaigns because an external IT services company must be hired. Campaigns must be accelerated with any new solution.

9.

All application servers have hardcoded IP addresses.

10.

Different vendors are used for our storage solution.

11.

The time line before an upcoming freeze period is soon.

Which two statements should the architect consider as non technical requirements? (Choose two.)

A. statement 4

B. statement 1

C. statement 11

D. statement 6

E. statement 9

Correct Answer: AB

-Non-functional/Non-Technical requirements describe how the system is supposed to behave. These are also known as Business Requirements. I have bolded every B.Req and highlighted the correct answers that were available to be chosen.

QUESTION 5

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:

1.

Customer Is concerned with NSX Manager availability.

2.

3 cabinets/racks are available in the data center.

3.

No integration with 3rd party solution is required.

4.

There is no budget for physical equipment acquisition.

5.

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

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

A. Use another NSX Manger IP in case an appliance falls.

B. Deploy 2 cold standby NSX Manager appliances in rack 2/3.

C. Deploy an NSX Manager Appliance per rack and cluster them.

D. Use a physical/internal load-balancer with the cluster.

E. Use separate IP per NSX Manager appliance per rack.

F. Deploy a single active NSX Manager appliance in rack 1.

Correct Answer: CDE

Customer is concerned with availability and NSX-T requires (except for labs)a 3x Mgr cluster must be deployed. You can use internal HA/VIPand vSphere HA for Mgmt cluster only when the mgrs. are on the same L2 domain.To do this you need an external load-balancer, the only one that would meet the "no 3rd party" and "no physical equipment

acquisition" would be a NSX-T Edge LB though the only answer that lines up with that is (D) and its worded poorly. (F) and (B) are both wrong/worded even more poorly. (A) by itself isn't right/wrong but when also looking at (E) then you know it doesn't cut it. (C and E) are correct. <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/2.4/installation/GUID-72A55651-0031-43A49F23-5950C1AFF304.html> <https://vxplanet.com/2020/03/26/using-nsx-t-loadbalancer-for-the-nsx-t-management-cluster-part-1/> <https://vxplanet.com/2020/03/26/using-nsx-t-loadbalancer-for-the-nsx-t-management-cluster-part-2/>

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