

# 3V0-41.19<sup>Q&As</sup>

Advanced Design NSX-T Data Center 2.4

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### QUESTION 1

An architect is helping an organization with the Logical Design of an NSX-T Data Center solution. During discussions about Centralized Services NAT running on Tier-1 or Tier-0 LR the customer made these requests:

1.  
Services contain stateful services.
2.  
Services should be in high availability mode.

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

- A. An active/active model should be used.
- B. NAT should be applied on the uplink Interface.
- C. Mix stateful and stateless NAT rules on the same LR.
- D. The high availability mode supported is only Active-Stand by.
- E. Use only DNAT rules in stateful NAT.

Correct Answer: DE

1.  
Stateful services cant be in active/active, they need to be in Active/Standby
  2.  
SNAT and DNAT work with stateful services, reflexive NAT works with stateless
  3.  
NAT is applied to a logical switch, not an uplink. <http://www.vexpertconsultancy.com/2019/12/nsx-t-configure-network-address-translation-nat/>
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### 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 Isn't much budget available for a new off-shore site.
2.  
The new site is decentralized and no communication with the main data center is required.

3.

The design will need to cater for availability, upgrades, and failure scenarios.

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

- A. Collapse the Management/Edge/Compute cluster.
- B. A Shared Edge/Management cluster and one for Compute.
- C. Separate the hosts physical NICs for VSS and N-VDS.
- D. Install a minimum 4 ESXi hosts In the site.
- E. Make all pNICs part of N-VDS and VMKs will be migrated.
- F. Install a minimum of 6 ESXi hosts in the site.

Correct Answer: ACD

Limited budget for new site means collapsing of mgmt., edge, and compute provides the best value at lowest cost. NSX-T can fully operate with 4 esxi hosts (no need for 6) as that is more a requirement of VCF/vSAN. Because you are running NSX Edges you should run a vSS or vDS for vmkernel and edge traffic and a N-vDS for NSX-T overlays traffic. Each vSwitch requiring its own set of pNics [https:// blogs.vmware.com/networkvirtualization/2018/10/flexible-deployment-options-for-nsx-t- edge-vm.html/](https://blogs.vmware.com/networkvirtualization/2018/10/flexible-deployment-options-for-nsx-t-edge-vm.html/)

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### QUESTION 3

Which is associated with the Discover Task of the Engagement Lifecycle?

- A. Create and document the logical and virtual design.
- B. Gather and document requirements, assumptions and constraints.
- C. Build, deploy, implement and test the design.
- D. Measure performance against customer's requirements.

Correct Answer: B

Discovery is part of the initial conceptual design (RRCA)

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### QUESTION 4

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:

1.

There are applications which use IPv6 addressing.

2.

Network administrators are not familiar with NSX-T Data Center solutions.

3.

Hosts can only be configured with two physical NICs.

4.

There is an existing management cluster to deploy the NSX-T components.

5.

Dynamic routing should be configured between the physical and virtual network.

6.

There is a storage array available to deploy NSX-T components.

Which constraint was documented by the architect?

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

Correct Answer: D

The only constraint listed is about the 2 pNICs per host.

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## QUESTION 5

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

Correct Answer: BD

<https://docs.vmware.com/en/VMware-Validated-Design/5.1/sddc-architecture-and-design-for-vmware-nsxtworkload-domains/GUID-A7CF1DFE-9C2D-4483-8F68-49C76135E460.html--vetted>