

# 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 Physical Design of an NSX-T Data Center solution. This information was gathered during a workshop about ESXi Host networking:

1.

A total of 50 ESXi hosts to be configured as Transport Nodes.

2.

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 Port ID

B. Load Balance Source

C. Load Balance Source Port ID

D. Failover Order

E. Load Balance Source MAC

Correct Answer: BE

(A and C) aren't supported for N-VDS. Failover order is Active/Standby. Leaving (BandE) as the only supported teaming policies (only supported on ESXi though) <http://www.cloudxtreme.info/nsx-t-uplink-profile/>

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### QUESTION 2

Refer to the exhibits.

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.

Existing network hardware must be used.

2.

Existing ESXi hosts with 2 pNICs must be used.

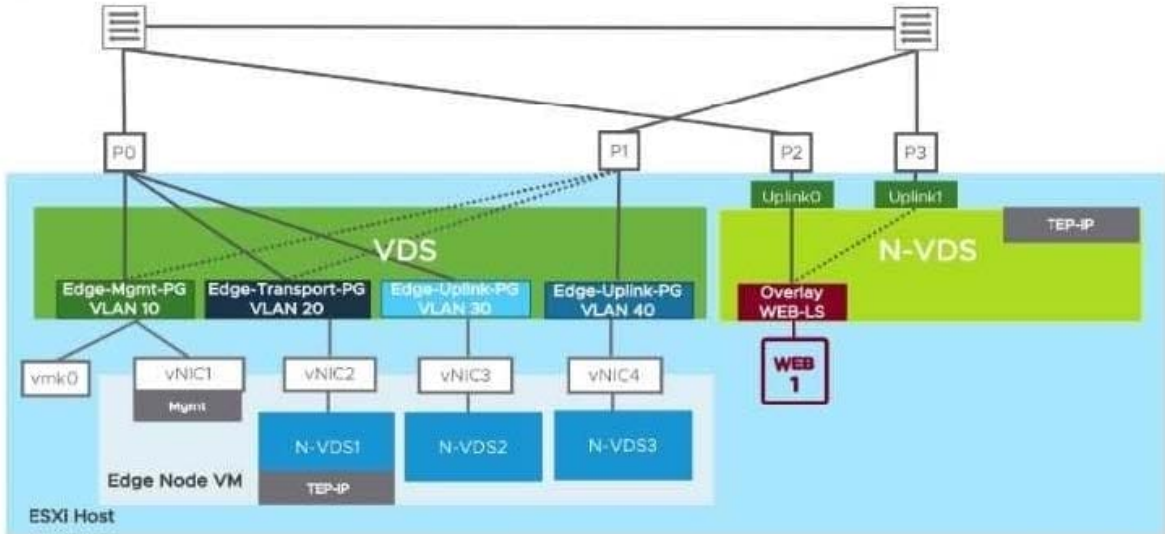
3.

One vCenter must be used for virtual environment management.

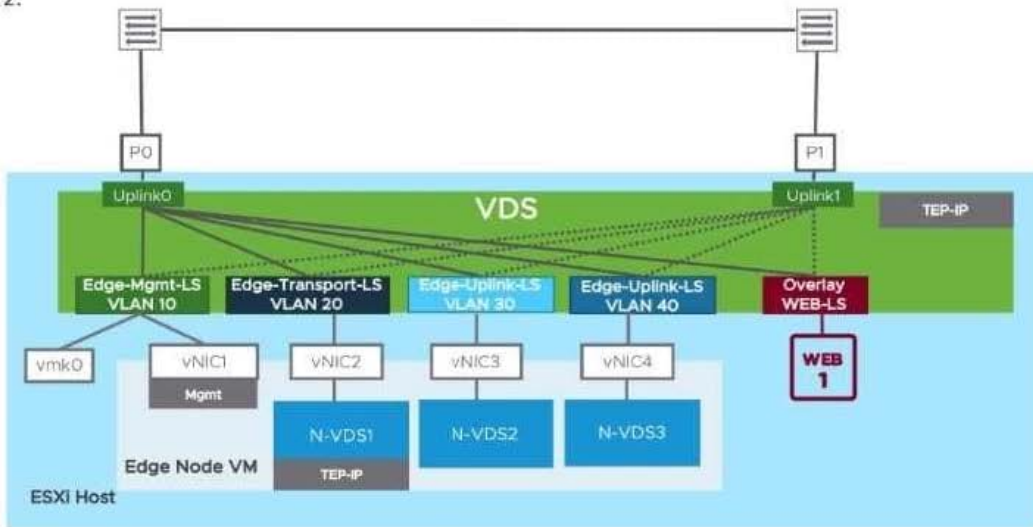
4.

Customer is concerned NSX-T will use too many resources.

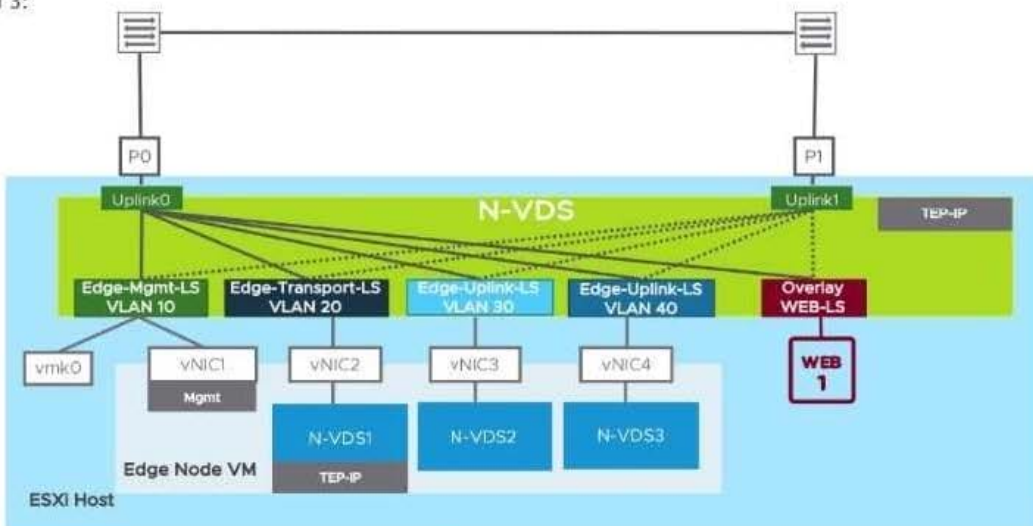
Design Option 1:



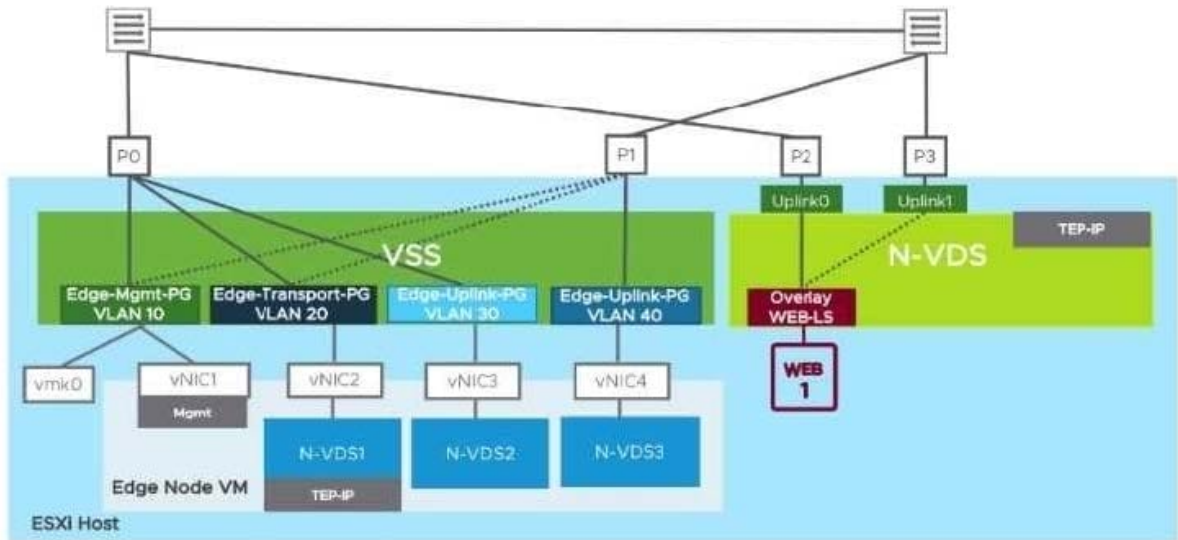
Design Option 2:



Design Option 3:



Design Option 4:



Which design option should the architect propose to the customer?

- A. Design Option 3
- B. Design Option 4
- C. Design Option 1
- D. Design Option 2

Correct Answer: A

d.option 1 and 4 are eliminated for using more than 2 pNICs. d.Option 3 doesn't work because its using just a vDS and not a N-VDS (only valid for 2.4/2.5 where as NSX-T 3.0 eliminates N-VDS and goes back to using just VDS)

### QUESTION 3

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.  
NSX-T will span across two sites for disaster recovery.
2.  
Public Load Balancer VIP should be accessible from a secondary site.
3.  
Distributed Firewall Policies should be available at a secondary site.
- 4.

Routing capabilities should be maintained after failure.

5.

NAT capabilities are required.

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

- A. Use IP sets or groups to configure DFW rules.
- B. Use MTU to 1550 between sites.
- C. Use of the same ISPs across sites.
- D. Use two separate ISPs across sites.
- E. Set MTU to 1500 between sites.

Correct Answer: BC

<https://docs.vmware.com/en/VMware-NSX-T-Data-Center/2.4/administration/GUID-5D7E3D43-6497-427399C1-77613C36AD75.html> Though MTU recommended at 1600 or higher, docs state the bare minimum is 1550 ... Minimum MTU for VMware NSX ? ... Outside MTU for IPv4 without Internal Guest OS dot1q Tagging = 20 + 8 + 8 + 14 + 1500 = 1550 byte--vetted

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#### 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.

Customer Is In the business of providing website hosting and network services for a variety of organizations.

2.

Customer is considering adopting NSX-T Data Center as their network virtualization solution.

3.

4000 virtual servers are being managed today.

4.

Virtual server growth is expected to be 10% bi-yearly for critical public facing web servers.

5.

To cope with increased demand, the customer is acquiring all new infrastructure components.

6.

Customer Is concerned with the cost effectiveness of any proposed solution.

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

- A. 2U Rack with 14 servers in each rack having 24 Cores and 4 TB of RAM and 40 GB aggregate bandwidth
- B. verified and supported hardware with at least 4 CPU cores
- C. 48 port switch with 1000 Mbps transfer rate
- D. verified and supported hardware a with minimum of 16 GB of RAM
- E. medium size Edge Virtual Machine

Correct Answer: BC

While (A) is talking about aggregate bandwidth, its still getting into specifics of amount of servers and cores. (C and E) are physical design decisions, leaving (B andD) as they are stating "minimums"

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#### QUESTION 5

Which type of design includes vendor models, host names, IP Addresses, port connections, logical unit number sizes, and number of CPUs?

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

Correct Answer: B

<https://www.jeffreykusters.nl/2018/06/25/breaking-down-the-conceptual-design-rcars-and- amprs-vcdxstyle/>

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