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Advanced Design NSX-T Data Center 2.4

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QUESTION 1

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>

QUESTION 2

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)

QUESTION 3

An architect is helping an organization design an NSX-T Data Center solution. This information was gathered during a workshop:

1.

There are three LUNs in the storage array.

2.

There is no additional budget to purchase any more hardware.

3.



LUN 1 usage is 90% and is configured with a high-performance profile.

4.

LUN 2 usage is 75% and is configured with a high availability profile.

5.

LUN 3 usage is 60% and is configured with a balanced performance/availability profile.

6.

A highly available NSX Management cluster is required.

7.

ECMP routing is required.

Which should the architect recommend for the organization's NSX-T Datacenter environment?

- A. Place all three NSX Managers on LUN 2 for high availability.
- B. Place all three NSX Managers on LUN 1 to avoid latency.
- C. Spread the NSX Managers across LUN 2 and LUN 3.
- D. Spread the NSX Managers across the three LUNs.

Correct Answer: D

Even though the LUN itself is "HA", the fact remains it is a S.P.o.F. and must not have all the managers running on it. While (C) seems fine, because LUN2 is "HA", if either LUN goes offline that holds 2 managers then you have lost quorum and will effectively be down w/o a mgmt. cluster.

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:

1.

Latency between sites is 160ms.

2.

Bandwidth is 2Gbps.

3.

The MTU is 1600.

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



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

Correct Answer: AC

<https://docs.vmware.com/en/VMware-NSX-T-Data-Center/2.4/administration/GUID-5D7E3D43-64974273-99C1-77613C36AD75.html>

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 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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