

642-355

Cisco

Cisco Storage Networking Solutions Design Specialist

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QUESTION 1

What should you do to allow iSCSI hosts on multiple subnets to connect to a single GigE interface on an IPS module?

- A. Configure QoS on the IPS module iSCSI interface
- B. Configure QoS on the IPS module GigE interface
- C. Configure multiple VSANs on the IPS module iSCSI interface
- D. Configure VLAN subinterface on the IPS module GigE interface

Answer: D

QUESTION 2

What is the definition of fan-in ratio as it applies to SANs?

- A. The ratio of storage ports to a single host port
- B. The amount of aggregation port bandwidth in the path from storage port to host port
- C. The amount of aggregate bandwidth of ISLs in the path from host port to storage port
- D. The ratio of host ports that need to access a single storage port

Answer: D

QUESTION 3

You are implementing an FCIP solution for SAN extension between two data centers using the CISCO MDS 9000 platform. For redundancy, there are two Metro Ethernet paths between the data centers. How can you specify the primary and secondary path for each FCIP tunnel?

- A. Configure EIGRP routing on the IPS-8
- B. Configure OSPF routing on the IPS-8
- C. Configure QoS on the IPS-8
- D. Configure static routes on the IPS-8

Answer: D

QUESTION 4

Which two items are necessary when implementing a highly available SAN design? (Choose two.)

- A. Nondisruptive upgrades
- B. Redundant hardware
- C. Real-time fabric monitoring
- D. Localized data backups
- E. Traffic engineering and QoS

Answer: A,B

QUESTION 5

Select three characteristics of the Cisco Coarse wave division multiplexing (CWDM) solution. (Choose three.)

- A. Supports a maximum connection length of 220 kilometers
- B. Can be optically amplified to extend the distance characteristics
- C. Requires OADMs (Optical add/drop multiplexers) to aggregate multiple wavelengths across the same fiber pair
- D. Multiplexes up to eight wavelengths across a single fiber pair
- E. Supports both linear and ring topologies

Answer: C,D,E

QUESTION 6

Which of these provides fabric-based virtualization for multiple independent software vendors?

- A. Multiprotocol Services module
- B. Cisco MDS 9513 Supervisor 2
- C. Cisco MDS 9000 32-port 1/2 -Gbps Fibre Channel Module
- D. Storage Services Module (SSM)

Answer: D

QUESTION 7

Which SAN extension topology is a low-latency, cost effective, high-bandwidth solution that is suitable only within a limited geographical area?

- A. FCIP
- B. DWDM
- C. SONET/SDH
- D. CDWM

Answer: D

QUESTION 8

What is the principal cost advantage of a collapsed core SAN design compared to a core-edge design if each connects the same number of host and storage ports?

- A. Fewer long-wave SFPs
- B. Fewer director-class switches
- C. Fewer ISL connections
- D. Fewer domains on the domain list
- E. Fewer hops for a given exchange

Answer: C

QUESTION 9

Which two kinds of applications require sustained throughput and are sensitive to latency? (Choose two.)

- A. Synchronous replication
- B. Asynchronous replication
- C. Email
- D. OLTP
- E. Tape Backup

Answer: A,E

QUESTION 10

Which three solutions would be suitable for data replication between two data centers separated by 450 km? (Choose three.)

- A. Dark Fiber
- B. CWDM
- C. iSCSI over SONET/SDH
- D. DWDM
- E. FCIP over SONET/SDH
- F. FCIP Over Routed IP network

Answer: D,E,F

QUESTION 11

How are Cisco MDS 9000 distributed devices aliases synchronized between all switches in the fabric?

- A. As part of fabric merge events
- B. Using the Cisco Fabric Service (CFS) feature
- C. Using the Fabric Manager Import/Export Alias feature
- D. Using Fabric Manager Server Only

Answer: B

QUESTION 12

Certkiller .com has a number of data storage requirements:

Servers are not responsible for volume management or data migration

Storage is provisioned in real time

Legacy and heterogeneous storage assets can be consolidated and fully utilized

Data can be protected using simplified snapshot and replication techniques

Data can be assigned to different classes easily

Which solution would meet these requirements?

- A. Fabric-based Virtualization
- B. Host-based Virtualization
- C. Wide-Area Application Services (WAAS)
- D. VSANs
- E. LUN Zoning

Answer: A

QUESTION 13

What affect does VSAN technology have on typical capacity planning for a storage network?

- A. When capacity planning where VSANs will be implemented, each VSAN must be capacity planned independently of all other VSANs
- B. Unused ports can easily be redeployed for other applications in other VSANs
- C. VSANs are over provisioned separately to provide for capacity growth
- D. Because of the complete isolation of VSANs, more ports are required in a VSAN environment than in a non-VSAN environment

Answer: B

QUESTION 14

Certkiller .com has 12 hosts, each capable of a sustained I/O rate of 75 MBPS. The customer wants to connect these hosts to the fabric with a 32-port line card. For optimal performance what is the maximum number of hosts that should be connected to any four-port, host-optimized quad?

- A. Four
- B. Two
- C. One
- D. Three

Answer: D

QUESTION 15

What are three key benefits of implementing a SAN using iSCSI? (Choose three.)

- A. Uses existing IP networking, monitoring and management infrastructure
- B. Extends existing FC SAN to IP connected hosts
- C. Is more efficient than FC since it requires fewer encapsulations
- D. Significant capital cost reduction by substituting iSCSI as a transport technology
- E. Maintains consistent performance over IP networks of varying distances

Answer: A,B,D

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