Product Details from Pass-Guaranteed.com:

Cisco Storage Networking Design Specialist

642-353

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QUESTION: 1 DRAG DROP
You work as network consultant. Your customer Pass.com requires your services. Specifically you are required to drag Pass's business consideration next to the MDS feature that will solve that issue.

Note: You might not have to use all available options.

Pass business consideration, select from these

Intelligent Storage Services	High Availability Infrastructure	Multiprotocol
Enterprise-Class Management	San Consolidation	Storage Consolidation

MDS feature

Testways business consideration, select from these

MDS feature	Testways business consideration
FM, DM, PM, Traffic Analyzer, PAA	Place here
VSANs Port Channels, Security, Traffic Engineering, QoS FCC	Place here
Virtualization, Replication, Volume Mgmt	Place here
Traffic engineering (Per-VSAN PSFP, FCC and QoS). FICON Virtualization	Place here

Answer:
Explanation:

Pass business consideration, select from these

| High Availability Infrastructure | | Multiprotocol |

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MDS feature

Testways business consideration, select from these

FM, DM, PM, Traffic Analyzer, PAA

Enterprise-Class Management

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VSANs Port Channels, Security, Traffic Engineering, QoS FCC

San Consolidation

Virtualization, Replication, Volume Mgmt

Intelligent Storage Services

Traffic engineering (Per-VSAN PSFP, FCC and QoS). FICON Virtualization

Storage Consolidation

QUESTION: 2
A customer recently deployed a pair of Cisco MDS 9216i Multilayer Fabric Switches to support a database application. The MDS 9216i expansion slot is still unused. The customer examined other infrastructure services and applications to determine if they should leverage the SAN storage capacity and decided that it would be beneficial to attach 20 Microsoft Windows file servers to the SAN. Each Windows file server generally drives approximately 5MBps of disk throughput. Which line card should be used to support the Microsoft Exchange server SAN connectivity?

A. 16-port Fibre Channel line card
B. 32-port Fibre Channel line card
C. Multiprotocol Services Module line card
D. None; use the IP storage interfaces.

Answer: D

Exhibit:

Refer to the exhibit. A customer is designing a storage network infrastructure that uses the Cisco MDS 9509 Multilayer Director. The network will consist of 40 application servers, four backup servers, two disk arrays, and one tape library.

The application servers each have two Fibre Channel host bus adapters and generate 40 to 50 MBps of throughput. The backup servers each have four host bus adapters and generate 130 to 150 MBps of throughput. The disk arrays each have eight 2-Gbps Fibre Channel interfaces that handle 150 to 200 MBps of traffic. The backup servers will be

performing incremental backups of snapshot copies of production volumes from multiple application servers concurrently throughout the day. The backup servers will also be performing full backups of snapshot copies of production volumes from the vapplication servers concurrently throughout the week.

The customer is redeploying 16 first-generation Linear Tape-Open (LTO) SCSI drives that were previously direct-attached to application and backup servers. The drives will be deployed using Fibre Channel-to-SCSI bridging devices, and each device will have one 2-Gbps Fibre Channel interface and four drives attached. These drives will go into the new library.

Which MDS 9509 configuration would best meet the connectivity needs of this customer?

A. One 16-port Fibre Channel line card and four 32-port Fibre Channel line cards

B. Two 16-port Fibre Channel line cards and three 32-port Fibre Channel line cards

C. Three 16-port Fibre Channel line cards and three 32-port Fibre Channel line cards

D. Four 16-port Fibre Channel line cards and two 32-port Fibre Channel line cards

E. Five 16-port Fibre Channel line cards and one 32-port Fibre Channel line card

Answer: C

QUESTION: 4
A customer is designing a SAN for each of two data centers. The two data centers are connected by dark fiber, which is owned by the customer. Cisco ONS platforms terminate the fiber and provide service aggregation. The customer requirements include that the SAN in each data center meet or exceed five nines of availability and be interconnected using 16 separate lambdas. The customer has four storage devices in each data center, and each storage device has four Fibre Channel interfaces. Each data center has 32 servers, and each server has two host bus adapters. The majority of the servers require only 20 to 30MBps of throughput on average, but four of the servers require 150 MBps of throughput on average. What will provide the most cost-effective design to satisfy these requirements?

A. Two Cisco MDS 9216 Fabric Switches in each data center, each MDS 9216 with an additional 16-port Fibre Channel line card

B. Two Cisco MDS 9216 Fabric Switches in each data center, each MDS 9216 with an additional 32-port Fibre Channel line card
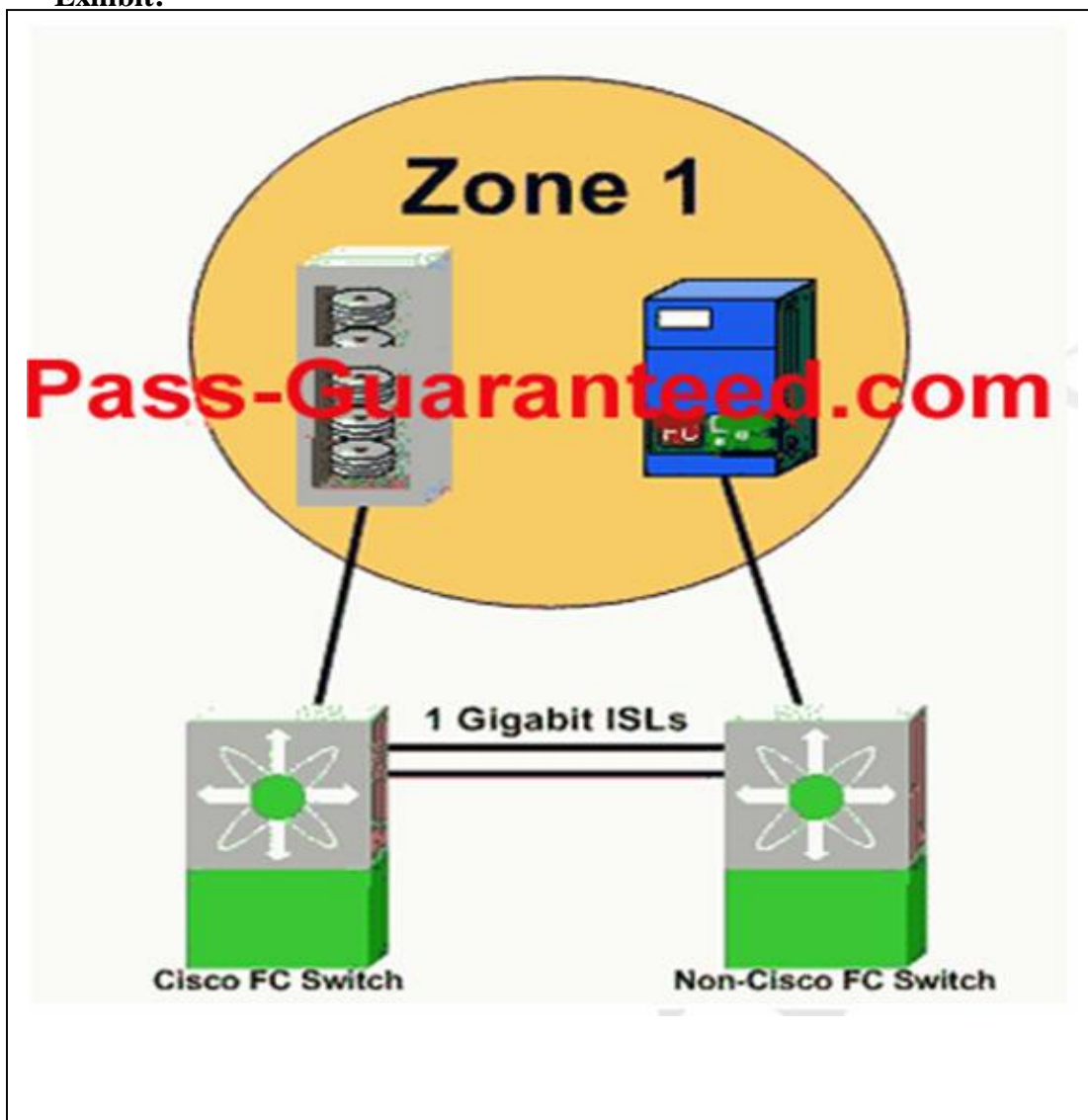
C. Two Cisco MDS 9506 Multilayer Directors with one in each data center, each MDS 9506 with two 16-port Fibre Channel line cards and two 32-port Fibre Channel line cards

D. Two Cisco MDS 9509 Multilayer Directors with one in each data center, each MDS 9509 with two 16-port Fibre Channel line cards and three 32-port Fibre Channel line cards

Answer: C

QUESTION: 5

Exhibit:

Refer to the exhibit. What port type should be used between the two switches to maximize performance?

A. B
B. E
C. F
D. NL
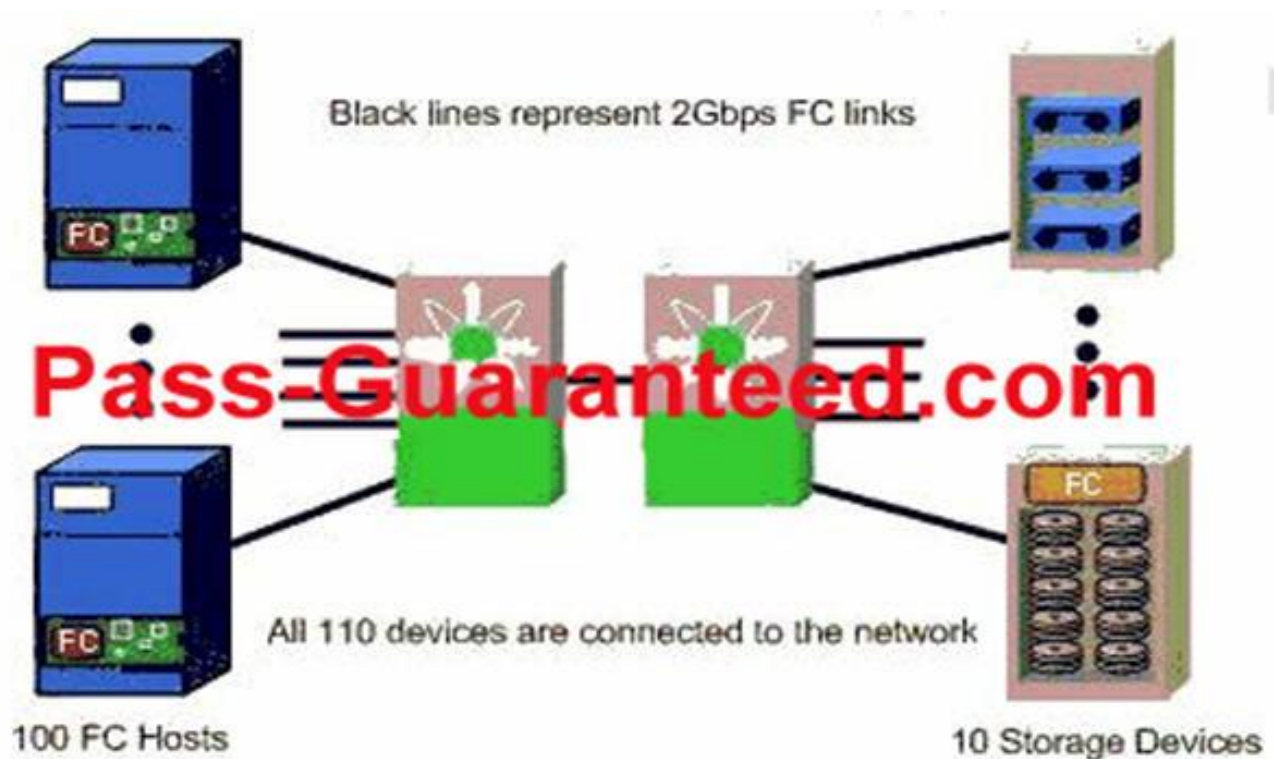E. TE

Answer: B

QUESTION: 6

Exhibit:

Refer to the exhibit. What topology allows the customer network, made up of several SAN islands, to be integrated into a single SAN topology, and still retain its existing functionality?

A. Core-Edge Topology
B. VSAN with Collapsed-Core Topology
C. VSAN with Core-Edge Topology
D. Single Large SAN Fabric

Answer: B

QUESTION: 7

Black lines represent 2Gbps FC links

All 110 devices are connected to the network

100 FC Hosts

10 Storage Devices

What are three Cisco value-added features that could be used to enhance the throughput of this FC network? (Choose three)

A. Port-Channel
B. VSAN
C. VOQ
D. FCC
E. RBAQ

Answer: B, C, E

QUESTION: 8

You have determined that expansion of Pass.com's SAN requires 32 ports for Storage Array connections, 4 ISL connections to the existing SAN, and 44 ports for HBA connection. Select the bill of materials that provides a well-designed SAN solution to meet these requirements at the lowest cost.

A. 2 X MDS 9216
2 X 32 Port Standard FC Switching Module

B. 2 X MDS 9506
2 X 16 Port Standard FC Switching Module
2 X 32 Port Standard FC Switching Module

C. 2 X MDS 9120
2 X 9506
2 X 16 Port Standard FC Switching Module

D. 2 X MDS 9506
4 X 16 Port Standard FC Switching Module
2 X 32 Port Standard FC Switching Module

Answer: A

QUESTION: 9
Which two statements are true about the difference between an "On" trunking mode and a "Nonegotiate" trunking mode? (Choose two)

A. A port configured with trunking mode nonegotiate will not send out DTP or DISL packets.

B. A port configured with trunking mode "On" will only form a trunk properly with a port configured with trunking mode on.

C. A port configured with trunking mode "On" will form a trunk properly with a port configured with any trunking modes except off.

D. A port configured with trunking modes nonegotiate will only form a trunk properly with a port configured with trunking mode nonegotiate.

Answer: A, C

QUESTION: 10
A customer is designing a SAN for each of two data centers. The two data centers are connected by dark fiber, which is owned by the customer. Cisco ONS platforms terminate the fiber and provide service aggregation. The customer requirements include that the SAN in each data center meet or exceed five nines of availability and be interconnected using 16 separate lambdas. The customer has four storage devices in each data center, and each storage device has four Fibre Channel interfaces. Each data center has 32 servers, and each server has two host bus adapters. The majority of the servers require only 20 to 30MBps of throughput on average, but four of the servers require 150 MBps of throughput on average. What will provide the most cost-effective design to satisfy these requirements?

A. Two Cisco MDS 9216 Fabric Switches in each data center, each MDS 9216 with an additional 16-port Fibre Channel line card

B. Two Cisco MDS 9216 Fabric Switches in each data center, each MDS 9216 with an additional 32-port Fibre Channel line card

C. Two Cisco MDS 9506 Multilayer Directors with one in each data center, each MDS 9506 with two 16-port Fibre Channel line cards and two 32-port Fibre Channel line cards

D. Two Cisco MDS 9509 Multilayer Directors with one in each data center, each MDS 9509 with two 16-port Fibre Channel line cards and three 32-port Fibre Channel line cards

Answer: C