

Exam Code: 143-250

Exam Name: Brocade Certified SAN Designer 4 Gbit/sec

Vendor: Brocade Certified Fabric Professional

Version: DEMO

Part: A

1: A customer has requested a highly available SAN design.

Which three switches meet the requirement to design a fabric with switches that use hot swap fans, hot swap power components, and non-disruptive firmware updates? (Choose three.)

- A. Brocade 200E
- B. Brocade 4900
- C. Brocade 4100
- D. Brocade 3900
- E. Brocade AP7420

Correct Answers: B C D

2: A customer has requested a SAN design to accommodate high performance applications. Trunks are implemented between the edge and core switches.

Which two statements are true regarding trunking? (Choose two.)

- A. Trunk ports must be principal ISLs.
- B. Trunk ports must reside in the same port group.
- C. Cable lengths must not vary more than 10 meters.
- D. Trunk ports must run at the same speed (either 2 Gbit/sec or 4 Gbit/sec).

Correct Answers: B D

3: Which two protocols or methods can be used to perform switch-to-switch authentication on a Brocade switch? (Choose two.)

- A. PKI
- B. CHAP
- C. IPSec
- D. DH-CHAP

Correct Answers: A D

4: You have two independent Fibre Channel fabrics, Fabric A and Fabric B, which both contain a SilkWorm 7500. You need to enable an initiator in Fabric A to communicate with a target in Fabric B without merging Fabric A and Fabric B.

Which statement is true?

- A. Configure VE_Ports on both Brocade 7500s and connect the Brocade 7500s with ISLs.
- B. Configure EX_Ports on both Brocade 7500s and connect the Brocade 7500s with IFLs.
- C. Configure VEX_Ports on both Brocade 7500s and connect the Brocade 7500s with ISLs.
- D. Configure an EX_Port on one Brocade 7500 and connect the Brocade 7500s with an IFL.

Correct Answers: D

5: A customer has two independent SAN islands, SAN A and SAN B. SAN A is a single Brocade 48000 with eight FC4-32 blades and 220 devices. SAN B is a single Brocade 48000 with a mix of eight FC4-16 and FC4-32 blades and 120 devices. Your requirement is to configure an initiator in SAN A to communicate with a target in SAN B using the existing hardware.

Which solution is correct?

- A. Configure VE_Ports on the Brocade 48000s.
- B. Configure EX_Ports on the Brocade 48000s.
- C. Configure IFLs between the Brocade 48000s.
- D. Configure ISLs between the Brocade 48000s.

Correct Answers: D

6: Your company SAN is growing and your company wants you to isolate your hosts from the storage that they are not using.

Which two technologies would allow for this type of isolation? (Choose two.).

- A. LUN masking
- B. Device ACL policy
- C. Brocade Secure FOS
- D. Brocade Advanced Zoning

Correct Answers: A D

7: The customer has a primary data center and a secondary data center that are separated by 600 km.

Which two WAN technologies could be used? (Choose two.)

- A. dark fiber
- B. Fibre Channel over IP
- C. Fibre Channel over SONET/SDH
- D. Dense Wave Division Multiplexing (DWDM)

Correct Answers: B C

8: A customer has two SANs that are located at two data centers. The primary SAN is built using a Brocade 4100 and the secondary SAN is built using a Brocade 3850. There are two dark fibers that connect the two SANs together and the two sites are separated by a distance of 20 km. The customer requires an aggregated throughput of 300 MB/sec.

Which two features should be deployed? (Choose two.)

- A. trunking
- B. Extended Fabric
- C. exchange based routing
- D. Fibre Channel over IP (FCIP)

Correct Answers: A B

9: Click the Exhibit button.

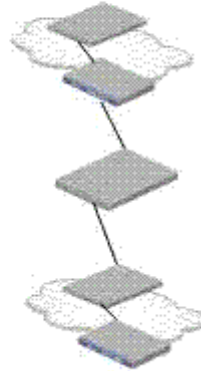
Company A has merged with Company Z. You have been tasked to integrate the two different SANs using an FCIP link over 200 km. Company A's SAN has a Brocade 48000 with an FR4-18i blade. Company Z has two separate SANs. Both SANs have a Brocade 4100 acting as their core and a Brocade 3850 attached to a Brocade 7500.

How are you going to connect Company A's SAN to Company Z's SAN and keep the two SANs separate?

Company A



Company Z



- A. Establish an ISL to Company Z's Brocade 3850.
- B. Establish an E_Port to Company Z's Brocade 7500.
- C. Establish a VEX_Port to Company Z's Brocade 7500.
- D. Establish an EX_Port to Company Z's Brocade 4100.

Correct Answers: C

10: A user attaches 32 hosts to a Brocade 4900, each with 4 Gbit/sec HBA links.

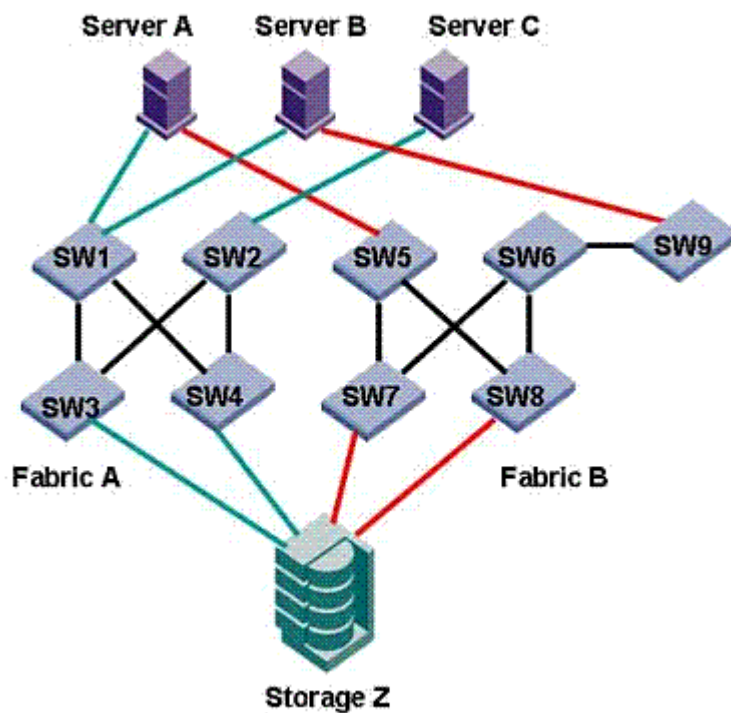
What is the theoretical oversubscription ratio from the Brocade 4900 to a Brocade 48000 if there are 4 ISLs?

- A. 2:1
- B. 3:1
- C. 5:1
- D. 8:1

Correct Answers: D

11: Click the Exhibit button.

Which two changes should be made to improve the resiliency of Fabric B and preserve fabric redundancy? (Choose two.)



- A. Add an ISL from SW9 to SW7.
- B. Add an ISL from SW4 to SW9.
- C. Add an ISL from SW8 to SW9.
- D. Add a second ISL from SW9 to SW6.

Correct Answers: A C

12: You work for a small company that has two Brocade 3850s and one Brocade 3900. In the past six months your port requirements have grown 25% with projections of 60% growth in the next year. You need to add storage to your SAN and your switches are at capacity. There is only 10U of rack space available for future growth.

Which solution will you choose?

- A. Buy a Brocade 3850; it already has everything you need.
- B. Buy a Brocade 48000 and add blades as needed at a later date.
- C. Buy a Brocade 200E and use the Ports On Demand feature, enabling ports as you need them.
- D. Buy a Brocade 4900 and use the Ports On Demand feature, enabling ports as you need them.

Correct Answers: D

13: You have designed a SAN to meet customer requirements to share devices between fabrics using Fibre Channel Routing. The design must also accommodate a 30% growth rate. Your design implements the backbone-to-edge routing feature.

Which two factors limit backbone fabric scalability? (Choose two.)

- A. number of translate Domain IDs
- B. total number of IFLs in the metaSAN
- C. number of local devices attached to the backbone fabric
- D. number of long wave SFPs connecting backbone switches

Correct Answers: A C

14: Devices in an edge fabric are to be shared with other devices in a backbone fabric. When connecting the IFLs between the fabrics, which two techniques maximize availability? (Choose two.)

- A. Connect IFLs from the backbone fabric to different switches in the edge fabric.
- B. Connect IFLs from the backbone fabric to different trunk groups in the edge fabric.
- C. Connect IFLs from the edge fabric to two Brocade 4100s in the backbone fabric.
- D. Connect IFLs from the edge fabric to two Brocade 7500s in the backbone fabric.

Correct Answers: A D

15: Your customer has a single resilient fabric that qualifies for an online migration. This will be accomplished by replacing one switch at a time and leaving an alternate path open for I/O. The new switch must be able to join the existing fabric immediately upon introduction. According to the Brocade SAN Migration Guide v1.1, which three conditions would make an online migration possible for the new switch? (Choose three.)

- A. A Fabric OS update is required on all switches.
- B. Multipathing software is not installed on each device.
- C. Core PID format update is not required on any switch.
- D. Performance degradation is acceptable during the upgrade.
- E. Frequent I/O interruptions from fabric rebuilds are acceptable.

Correct Answers: C D E

16: You are designing a SAN that includes two sites connected by DWDM. One link on the DWDM ring is 50 km, the other link is 75 km. The customer requires that four existing Brocade 3900s and two existing Brocade 4100s be used in the design.

Which solution provides evenly distributed link utilization between the two long distance links?

- A. Brocade 4100s at each end of the DWDM links.
- B. Brocade 3900s at each end of DWDM links with trunking feature activated.
- C. Brocade 3900s at each end of the DWDM links with Advanced Frame Forwarding enabled.
- D. Brocade 3900s at one site connected to Brocade 4100s at the other site with DWDM ports set to 2 Gbit/sec.

Correct Answers: A

17: Your company wants to use SAN attached storage on servers that are not a part of the SAN. The servers currently contain GbE cards with TCP/IP Offload Engine (TOE).

Which two Brocade products would allow you to accomplish this task? (Choose two.)

- A. iSCSI Gateway
- B. Brocade 7500
- C. Brocade 24000
- D. Brocade AP7420

Correct Answers: A D

18: Which term describes a Fibre Channel fabric that is designed to withstand the loss of any

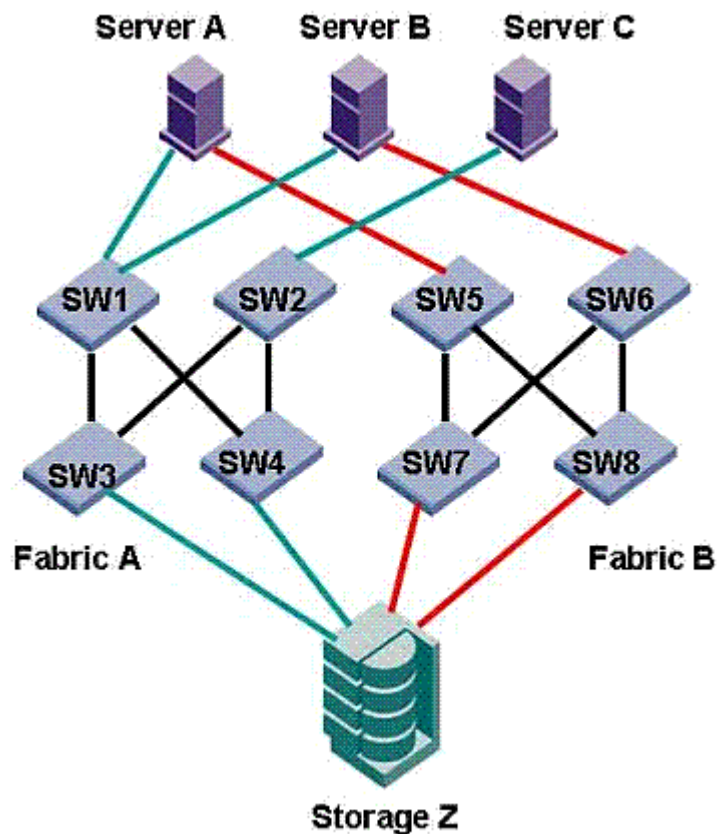
single ISL or switch?

- A.resiliency
- B.redundancy
- C.multipathing
- D.Dynamic Path Selection (DPS)

Correct Answers: A

19: Click the Exhibit button.

In the exhibit, which statement about the SAN design for Server A is true?



- A.Server A accesses Storage Z using resilient and redundant fabrics.
- B.Server A accesses Storage Z using redundant and non-resilient fabrics.
- C.Server A accesses Storage Z using non-redundant and resilient fabrics.
- D.Server A accesses Storage Z using non-redundant and non-resilient fabrics.

Correct Answers: A

20: Three edge fabrics need to be connected using a WAN. A Brocade 7500 is deployed at each site.

Which solution ensures that fabric and WAN issues are isolated?

- A.Connect each edge fabric to E_Ports on the deployed Brocade 7500; connect each Brocade 7500 to the WAN with VE_Ports.
- B.Connect each edge fabric to E_Ports on the deployed Brocade 7500; connect each Brocade 7500 to the WAN with E_Ports.

C.Connect each edge fabric to EX_Ports on the deployed Brocade 7500; connect each Brocade 7500 to the WAN with VE_Ports.

D.Connect each edge fabric to EX_Ports on the deployed Brocade 7500; connect each Brocade 7500 to the WAN with VEX_Ports.

Correct Answers: C