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Practice Exam: 000-078 Exams

Exam Number/Code: 000-078

Exam Name: eServer BladeCenter

Questions and Answers: 148 Q&As

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Exam : IBM 000-078

Title : eServer BladeCenter

1. A customer is replacing several existing servers and is consolidating them into a BladeCenter solution. The following servers are being considered for consolidation:

Two Microsoft SQL server two-node clusters, with each node containing four processors and hot swap SCSI drives

Two Physical Microsoft Active Directory Servers

22 Physical Citrix servers ? Three Physical Web servers

One Physical Virtual Center and VMotion server

Eight Physical VMware ESX servers

Which of the following configurations will best satisfy the requirements?

A. Three BladeCenter Chassis, two Fibre modules, eight Ethernet Modules

B. Three BladeCenter Chassis, four Fibre modules, eight Ethernet Modules

C. Four BladeCenter Chassis, two Fibre modules, four Ethernet Modules

D. Four BladeCenter Chassis, four Fibre modules, eight Ethernet Modules

Answer: D

2. A customer has a BladeCenter with three HS20 blades that will be accessing one network segment and a mix of three HS20 blades and two HS40 blades that will be accessing a different LAN segment. What is the minimum number of switch modules and VLAN IDs required?

A. One Ethernet switch module and two VLAN IDs

B. Two Ethernet switch modules and no VLAN IDs

C. Two Ethernet switch modules and two VLAN IDs

D. One Ethernet switch module and eight VLAN IDs

Answer: A

3. A customer would like to add five HS20 8843 blades into an existing BladeCenter Chassis with two HS20 8832 and 1800W power supplies. Which of the following is the most cost-efficient solution without introducing any downtime?

A. Add a 2000w power supply kit and place the new Blades in slots 7 through 11

B. Add additional 1800w power supplies and put the five HS20 8843 into slots 7 through 11

C. Replace the 1800w with 2000w power supplies and place the new blades in slots 3 through 7

D. Replace the 1800w power supplies with 2000w power supplies and add an additional 2000w power supply kit

Answer: A

4. After a completed installation of Microsoft Windows Server 2003 Standard Edition on an HS20 8843 blade server, there is no network connectivity. Which of the following should be done to resolve this problem?

A. Apply Windows 2003 Service Pack 1.

B. Install the Broadcom network driver.

C. Enable the Network adapter from the Management Module Web Interface.

D. Change Ethernet adapters duplex mode to auto within network settings.

Answer: B

5. After installing a new BladeCenter, IBM Director has successfully discovered the new chassis. Which of the following tasks must first be performed before launching the Deployment Wizard in IBM Director?

A. Update the BladeCenter Management Module firmware

B. Enable the Ethernet switch ports for external management

- C. Select "Request Access" to the Management Module
- D. Move the Management Module Ethernet port to a management VLAN

Answer: C

6. A customer requires 10/100/1000 Ethernet Switch Modules for a BladeCenter chassis. For the future, they would like to explore the capability of upgrading to layers 4-7. Which of the following modules will allow them to perform a field upgrade to layers 4-7?

- A. Nortel Networks Layer 2-7 GB Ethernet Switch Module
- B. IBM BladeCenter 4-port Gigabit Ethernet Switch Module
- C. Nortel Networks L2/3 Copper GbE Switch Module for IBM eServer BladeCenter
- D. IBM BladeCenter 4-port Cisco Systems Intelligent Gigabit Ethernet Switch Module

Answer: C

7. What is an important benefit of using a switch compliant to IEEE 802.1Q?

- A. The switch allows multiple proprietary protocols to forward traffic between switches.
- B. The switch allows use of logical groups within a switch in order to control broadcast traffic.
- C. The switch can combine physical links into one point-to-point logical link for increased bandwidth.
- D. The switch discovers a loop-free network (tree) and provides a single physical path between any two stations.

Answer: B

8. A customer plans to deploy an IBM BladeCenter Chassis. It will contain:

Two Nortel Networks Layer 2-7 GB Ethernet Switch Modules

Two Brocade Enterprise Fibre Channel Switch Modules

Redundant Management Modules

How many copper RJ45 and fibre ports are on the back of the chassis?

- A. 8 copper RJ45 ports and 4 fibre channel ports
- B. 8 copper RJ45 ports and 12 fibre channel ports
- C. 10 copper RJ45 ports and 4 fibre channel ports
- D. 10 copper RJ45 ports and 12 fibre channel ports

Answer: C

9. A customer wants a new BladeCenter chassis installed with redundant power sources. What is the minimum PDU configuration, recommended by IBM, to support a single chassis fully populated with 2000W power supplies?

- A. 2 Rack PDUs - 100-127Vac, 15a
- B. 1 Front End PDU - 208Vac, 30a, single-phase
- C. 2 Front End PDUs - 208Vac, 30a, single-phase
- D. 2 Enterprise PDUs - 208Vac, 60a, single-phase

Answer: C

10. A customer requires six HS20 blade servers in a new BladeCenter Chassis. Each blade requires redundant paths to two separate network segments. Which hardware is necessary to meet these requirements?

- A. Four Copper Pass-thru Modules
- B. Four Gigabit Ethernet Switches Modules
- C. Two Copper Pass-thru Modules and a Gigabit Ethernet Daughter Card in each blade
- D. Four Gigabit Ethernet Switch Modules and a Gigabit Ethernet Daughter Card in each blade

Answer: D

11. A customer needs a BladeCenter solution that will host VMware ESX version 2.5 servers. The BladeCenter will be populated with HS20 blades with the appropriate I/O adapter, sufficient power modules and two Ethernet modules. They will also be implementing Virtual Center and VMotion. Which of the following BladeCenter options is required to complete the solution?

- A. Copper Pass-thru Module
- B. TopSpin Switch Module

C. Cisco Switch Module

D. Fibre Switch Module

Answer: D

12. What is the default network address of the Management Module and any modules placed in an I/O module bay?

A. 192.0.0.x

B. 192.16.70.x

C. 192.168.0.x

D. 192.168.70.x

Answer: D

13. Which TWO of the following hardware alerts can be sent to each blade server's IBM Director agent?

A. Fan Alert

B. Virus Alert

C. Voltage alert

D. Intruder Alert

E. Temperature alert

F. Power Supply failure

Answer: CE

14. A customer has a BladeCenter with eight HS20 blades, two Nortel L2/L3 Ethernet switches, and no redundant KVM/Management Module. There are three VLANs set up in the chassis. The customer cannot ping from an external workstation to the blades. Which of the following is most likely the cause of the problem?

A. The Nortel L4-7 upgrade was not installed.

B. The Management Module internal interface is disabled.

C. Firmware should have been updated on each of the Nortel switches.

D. Tagging is not enabled for all ports on the switch modules and the external switches.

Answer: D

15. Microsoft Windows Server 2003 is installed on several blades configured with static IP addresses, gateway and DNS information. None of the blades are able to ping the gateway or other servers in the same subnet within the chassis. The "Show icon in notification area when connected" box in the Network property shows connection to the network. Which of the following will resolve the problem?

A. Correct the DNS address.

B. Correct the subnet mask.

C. Correct the gateway address.

D. Connect the network cable to the router.

Answer: B

16. A customer wants to set up a 512 node (HPC Cluster) BladeCenter environment for an extremely high bandwidth application. Which of the following is the most appropriate switch module to interconnect the multiple chassis needed?

A. Topspin Infiniband Switch Module

B. BladeCenter Copper Pass-thru Module

C. BladeCenter Optical Pass-thru Module

D. Nortel Networks Layer 2-7 GbE Switch Module

Answer: A

17. Which of the following can be used to update firmware on all Ethernet switch module options?

A. FTP

B. TFTP

C. Web Browser

D. Management Module

Answer: B

18. An administrator is creating a Microsoft Windows Native Install image with IBM Remote Deployment Manager (RDM) 4.20. During the creation of the image, the task fails. What is the most likely cause of the failure?

- A. The computer name is invalid.
- B. The Windows product ID is incorrect.
- C. The size of the image has exceeded 2GB.
- D. The source files are not on the RDM server.

Answer: C

19. An administrator has created a customized Linux Native Install operating system image to deploy to the blades. When the administrator creates a task that uses this image, the installation fails. Which of the following is the most likely cause?

- A. boot.ini is incorrectly configured
- B. All packages and package groups had been selected
- C. Only the required packages and package groups were installed
- D. The packages and package groups present in the modified comps file were not selected

Answer: D

20. A customer has a small 100Mb LAN network and wants to add five servers to their network in a new BladeCenter chassis. The customer has small application servers, each with their own internal hard drives. Each server requires access to two different LAN segments. The customer is considering installing a SAN; however that will be a future project. Which of the following would best satisfy the customer's requirements?

- A. Two Optical Pass-thru Modules
- B. Two BladeCenter 4-port Gigabit Ethernet Switch Modules
- C. Two Copper Pass-thru Modules, two Optical Pass-thru Modules
- D. Two Optical Pass-thru Modules, Fibre Channel Switch Modules

Answer: B

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