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SK0-004

CompTIA Server+

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Exam A

QUESTION 1

Clients cannot connect to the network. A technician determines that port 68 is not open. Which of the following protocols is being blocked?



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- A. POP3
- B. DNS
- C. LDAP
- D. DHCP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Which of the following protocols can be used to perform configuration management on a remote server using the MOST secure methods? (Select TWO).

- A. SMTP
- B. DHCP
- C. RDP
- D. SSH
- E. TELNET
- F. DNS

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which of the following protocols is considered stateless and utilizes TCP when communicating between a server and client?

- A. IMAP
- B. SMTP
- C. HTTP
- D. SSH

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

A server technician needs to connect two servers with gigabit NICs without MDI-X in order to transfer files between them and is unable to locate a switch with gigabit ports. Which of the following types of cables would allow the technician to connect the servers to obtain the FASTEST transfer rate possible?

- A. Rollover cables
- B. CAT6 crossover cables
- C. CAT6 straight-through cables
- D. CAT5 straight-through cables

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

An administrator is updating the server infrastructure at a company's disaster recovery site. Currently, an enormous amount of effort is required by the administrator to replicate operations. Which of the following types of site is the administrator currently using?

- A. Cold site
- B. Hot site
- C. Warm site

D. Replication site

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

A technician has traveled to a company's alternate site to assess current operations of the network infrastructure. Following the assessment, the technician has informed management that everything is operational, with all applications and data mirrored. Which of the following types of site does the company have?

- A. Warm site
- B. Cold site
- C. Hot site
- D. Standby site

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

A hardware failure affects a server in a datacenter. The server is critical to company operation, and the hardware vendor is out of stock on the parts needed to repair the server. A network technician suggests replacing it with a server from the warm site. Which of the following should the technician do FIRST?

- A. Outsource a hardware-certified courier to move the server to the datacenter.
- B. Check the DRP and BCP and talk to the company stakeholders before making the decision.
- C. Unrack the server from the warm site and move it to the datacenter.
- D. Order the parts from the hardware vendor and notify affected users that the server will be down.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

A technician wants to implement a grandfather-father-son tape rotation policy. Which of the following implements this backup strategy?

- A. Assign a different set of tapes for daily, weekly, and monthly backups.
- B. Use a different set of tapes for every two, four, and eight days.
- C. Designate a different set of tapes for odd-day and even-day backups.
- D. Use a queue to rotate tapes based on the age and usage of the tape.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

In an effort to reduce recovery time during hardware failures, a server administrator needs to implement a backup method that will allow for complete OS and service/application recovery as long as compatible hardware is available. Which of the following backup types meets this requirement?

- A. Incremental
- B. Bare metal
- C. Snapshot
- D. Full

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

A technician needs to install an operating system patch on a virtual server. Which of the following backup types should the technician perform prior to the patch installation that will allow the server to be restored the FASTEST?

- A. Snapshot
- B. Incremental

- C. Differential
- D. Full

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

An administrator needs to perform a backup of all servers for an upcoming disaster recovery exercise at a company cold site. Which of the following types of backup should be performed?

- A. Snapshot
- B. Incremental
- C. Differential
- D. Full

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

A company has hired a consultant to review the production storage infrastructure and provide suggestions on improving performance. The consultant has identified a bottleneck in the production switching fabric and successfully tested the solution in a lab environment. Which of the following should the consultant perform NEXT, according to best practices?

- A. Implement the solution in production since it was tested in the lab.
- B. Establish a plan of action to implement the solution in production.
- C. Perform a root cause analysis of what caused the bottleneck.
- D. Establish a theory describing the possible issue in the production network.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

Which of the following involves finding and correcting the MOST important reason for performance issues?



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- A. Root cause analysis
- B. Replicating the problem
- C. Defining preventative action
- D. Theory of probable cause

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

A system administrator needs to rebuild a server by booting to the OS DVD. The server powers up but attempts to boot from the network. Which of the following is the MOST likely source of the problem?

- A. Incorrect media type
- B. Driver failure
- C. Incorrect mount point
- D. Memory failure

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

A technician is asked to troubleshoot a server that constantly reboots. There are no error messages displayed on the server. Which of the following should the technician check?

- A. Cooling failure
- B. Cable mismatch
- C. BIOS driver failure
- D. Port conflict

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

A technician receives an error message when trying to boot the server stating the operating system was not found. Change management logs indicate a new hard drive backplane was installed in the server last night. Which of the following should the technician do FIRST when troubleshooting the issue?

- A. Check system board cables
- B. Rebuild RAID array
- C. Reinstall server OS
- D. Remove newly installed hardware

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

A database server stops responding to requests, and the administrator suspects that the server is experiencing memory faults during heavy network traffic and database access. Which of the following is the FIRST troubleshooting step?

- A. Check the security log.

- B. Check the application logs.
- C. Check the debug report.
- D. Check the POST error log.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

A network administrator is installing additional devices on the network. Currently, the network segment is utilizing all allocated IP addresses. If there are additional addresses available, which of the following would be BEST for the network administrator to perform to accommodate the new network devices?

- A. Create a new DHCP scope for the network segment in question.
- B. Configure the DHCP server for IPv6.
- C. Configure the network to use NAT for the network segment in question.
- D. Increase the size of the DHCP scope for the network segment in question.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

Which of the following allows virtual machines to share the NIC of the host?

- A. Virtual LANs
- B. NAT
- C. Bridging
- D. Virtual NICs

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

An administrator is asked to change a configuration using a GUI on a Windows server, but does not have access to a KVM. Which of the following is BEST to make the change?

- A. SSH
- B. SCP
- C. RDP
- D. NTP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Several of the finance department computers are experiencing timeouts while in their financial program. The program will not open or close; however, the previous day the program was running without issues. Which of the following is MOST likely the cause of this problem?

- A. Service priority
- B. Rogue processes
- C. Firewall problem
- D. Processor affinity

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

A system administrator is troubleshooting a network connectivity issue and runs ipconfig/all on the host. The command returns the following:

IPv4 Address: 169.254.0.12
Subnet mask: 255.255.0.0

The client is configured for DHCP. Which of the following commands should be run on the client to resolve this issue? (Select TWO).

- A. ipconfig/release
- B. tracert
- C. ipconfig/flushdns
- D. ipconfig/renew
- E. ipconfig/showclassid
- F. nslookup

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

A technician is assigned a task to configure a new server with six hard drives. The senior administrator requested the technician utilize the drives for maximum fault tolerance. Which of the following RAID configurations should the technician use?

- A. RAID 3
- B. RAID 5
- C. RAID 10
- D. RAID 0

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

Two RAID arrays are created from eight disks. One is created using RAID 6, the other is created using RAID 5 with a hot spare. Which of the following is the operational difference between these configurations?

- A. RAID 6 has the ability to recover from two disks simultaneously failing.
- B. The RAID 5 array will be significantly faster than the RAID 6 array.

- C. The RAID 6 array will be significantly faster than the RAID 5 array.
- D. RAID 6 has a higher storage capacity than RAID 5.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

A datacenter technician encounters a power receptacle labeled NEMA L5-30. Which of the following powers is this socket rated for?



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- A. 115v 30 amp
- B. 208v 30 amp
- C. 220v 1 phase
- D. 440v 3 phase

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

A number of users are indicating that access to a network file server is responding very slowly when reading or writing to the share. The server administrator notes that a drive has failed in a four-disk RAID 5 array. The array is running in a degraded state because no hot spare was configured. After replacing the failed disk, which of the following steps would be BEST to take to prevent slow response after a drive failure?

- A. Add a drive to the array, but do not configure it as a hot spare.
- B. Add an additional hard drive, and convert the volume to a RAID 6 configuration.
- C. Add an additional hard drive, and convert the volume to a RAID 10 configuration.

D. Add a drive to the array, and configure it as a cold spare.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

A server has been assigned a role of mail server. Which of the following services will be installed as a result of this selection?

- A. SNMP
- B. SMTP
- C. TCP
- D. DHCP
- E. SFTP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

Which of the following server types stores the list of network usernames and passwords required for authentication?

- A. File server
- B. Directory
- C. DHCP
- D. SNMP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

A company is being audited by its operating system vendor. The company needs to report the number of operating systems in use, the versions of the operating systems, and the product keys. Which of the following will be MOST helpful in passing the audit?

- A. Asset management documentation
- B. Change management logs
- C. Service manuals
- D. Server baselines

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

A system administrator notices that there is a low level of available storage space on a file server. Which of the following should be implemented to limit the amount of storage space users can utilize on the file server?

- A. Disk shadowing
- B. Disk compression
- C. Disk quota
- D. Disk indexing

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

Which of the following is the MOST secure to erase data before disposal of server hard drives?

- A. Hard wipe
- B. Reformat
- C. Degaussing

D. Delete partitions

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

Users in the accounting department report that they are unable to access a shared network drive used by all departments. Upon troubleshooting, a technician determines that three users in the marketing department, two in sales, five in human resources, and ten in IT are all successfully accessing the shared network drive. Which of the following is MOST likely causing the issue?

- A. Corrupt user profiles
- B. Incorrect NTFS group permissions
- C. The share is unsecured
- D. Excessive page filing on server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

A network administrator is tasked to set up zoning for a SAN infrastructure that requires redundancy. Which of the following types of hardware should the administrator implement?

- A. Multiple VLANs
- B. Multiple host nodes
- C. Multiple HBAs
- D. Multiple routers

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

Which of the following will protect data loss against catastrophic multiple physical drive failure?

- A. RAID 10
- B. Snapshot
- C. Tape backup
- D. RAID 5

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

The logs on a server in a datacenter indicate that the server unexpectedly shut down minutes after the night cleaning crew started their shift. Which of the following is the MOST likely reason for the shut down?

- A. A hard disk on the server failed.
- B. A power surge occurred.
- C. The CPU on the server overheated.
- D. A memory module on the server failed.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

A technician reads a hardware manufacturer's blog indicating a critical firmware update is available for the company's file server. Which of the following is the BEST course of action?

- A. Download and install a firmware update from a centralized server.

- B. Download the firmware update and test it on a VM.
- C. Download the firmware update and test it on a non-production server.
- D. Download the firmware update and run it on the company's file server immediately.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

A system administrator is tasked to set up a file server. The file server must be able to support access control lists and logging for auditing purposes. To meet these requirements, with which of the following file system types should the administrator format the file system?

- A. SMB
- B. NTFS
- C. VMFS
- D. CIFS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

A user reports that a script \\Server\Share\Runme.bat, which is run on a daily basis, cannot be accessed. Which of the following is the FIRST step to take in resolving this issue?

- A. Check the network cable.
- B. Ping the gateway.
- C. Verify the workstation IP address.
- D. Ping the server.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

After a migration to a new server, users report that they are unable to save files to their home directories. A check of the permissions on the home directories indicate that the permissions are set as follows:

User: r-x
Group: r--
Other: r-x

A server administrator verifies the correct user and group ownership of the home directories. Which of the following will MOST likely resolve the issue?

- A. Add the w permission for the users.
- B. Add the x permission for the group.
- C. Remove the x permission for other.
- D. Remove the r permission for the group.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Which of the following is the MOST complex way to directly reduce heat for computing components?

- A. Liquid cooling units
- B. Integrated high RPM fans
- C. Directed airflow with baffles
- D. Hot aisle/cold aisle

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

A datacenter is in a geologically active area and has no earthquake abatement installed. Which of the following drive types is BEST for general server use?

- A. Solid state drives
- B. High RPM drives
- C. Low RPM drives
- D. USB drives

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

Which of the following server types requires the LARGEST amount of available hard drive space?

- A. Database server
- B. Remote access server
- C. Print server
- D. Directory server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

A user is unable to save a new presentation to the network U:\ drive. The error message indicates that there is no available space. Other users in the department are not experiencing any problems saving to the U:\ drive. Which of the following is the MOST likely cause of this issue?



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- A. The user does not have permissions to use the U:\ drive.
- B. The user's disk quota has been exceeded on the U:\drive.
- C. The user's local drive is out of space.
- D. The user does not have the U:\ drive mapped.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

A technician is configuring switches with SFP ports on multiple floors in a building. A switch on the first floor must be connected to a switch on the second floor for trunking VLAN traffic. Which of the following would be the MOST appropriate cable type for the technician to use?

- A. Multimode fiber
- B. Coaxial cable
- C. CAT5e rollover
- D. CAT6 straight through

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

A system administrator is tasked to setup a database server with failover clustering feature enabled. One of the requirements is to have one database running at all times with data being synchronized and replicated to the idle database in case the primary database server fails. Both servers will be monitored by a witness on a LUN. Which of the following cluster techniques should be implemented to meet these requirements?

- A. Active/Active
- B. Active/Passive
- C. Single Local Quorum
- D. Passive/Passive
- E. Shared Multiple Quorum

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

A server technician is tasked to replace a RAID controller battery on a server. The server technician has no prior experience replacing a RAID controller battery. Which of the following should the server technician do to obtain the required knowledge or procedures to replace the battery?

- A. Review software specifications
- B. Review architecture diagrams
- C. Review service manuals
- D. Review service logs

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

In a Windows environment, a user is able to access the network folder and open items, but is not able to delete anything. Which of the following folder permissions does the user require?

- A. Execute
- B. Read
- C. Write
- D. Modify

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

A system technician is tasked with destroying several hard drives that contain PII. Which of the following would be the BEST method for disposing of the drives?

- A. Shred the hard drives.
- B. Complete a hard wipe.
- C. Perform a soft wipe.
- D. Delete the partition table.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

A technician needs to install six blade servers. Which of the following MUST a technician install along with the blades?

- A. Blade rail kits
- B. Blade shelves
- C. Blade enclosure
- D. Blade station

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

A server repeatedly crashes with a BSOD when running an application that uses a high amount of system resources. Which of the following hardware components MOST likely needs to be checked by a technician?

- A. Memory
- B. Hard drive
- C. RAID controller
- D. CPU

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

In authentication, which of the following represents something you have?

- A. Password
- B. Fingerprint
- C. Token
- D. PIN

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

A technician troubleshooting a mail server determines that the server is low on available hard drive space and needs an additional hard drive installed. The server will need to be offline for the hardware installation. Which of the following troubleshooting steps should the technician do NEXT?

- A. Notify impacted users of the scheduled maintenance.
- B. Implement one change at a time.
- C. Collect additional information.
- D. Document findings, actions, and outcomes.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

In a PKI, which of the following represents the top level of a certificate authority?

- A. Root CA
- B. Intermediate CA
- C. Subordinate CA
- D. Delegated CA

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

A server has a faulty hard drive, and the administrator needs to replace the hard drive while it is running. The server needs to support which of the following drives?

- A. Hot swappable
- B. Hot spare
- C. SAS
- D. USB
- E. Firewire

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

After successfully authenticating to a remote server, a server administrator is presented with an interactive command line with no graphical interface. Which of the following protocols did the administrator MOST likely use to securely connect to the remote server?

- A. SSH
- B. Bash
- C. Telnet
- D. FTP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

A company has 700 servers installed in 50 server racks in the datacenter. The Chief Technology Officer issued a memorandum to the IT department with a directive to reduce power and cooling consumptions by 50% in the datacenters. Which of the following should the system administrators recommend?

- A. Implement 208V 3-phase servers
- B. Implement hot aisle / cold aisle
- C. Virtualize the servers in the datacenter
- D. Replace each server with a blade server

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

Which of the following protocols can be used to query for host, user, and group information for clients?

- A. LDAP
- B. DNS
- C. DHCP
- D. SNMP

E. SCP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

A technician is backing up 10 GB of data on a file server to a 250 GB external USB hard drive. After 4 GB has been backed up, the software generates an error that the size of the backup exceeds the file limit. Which of the following file system types is being used?

A. FAT32

B. NTFS

C. VMFS

D. ZFS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

A server administrator has been given the following information from the network team in order to configure IP addresses on a new server:

Network Address: 199.90.10.32/28

The network team also instructed the server administrator to use the LAST usable address on the given network. Which of the following IP address/subnet mask combinations should the server administrator use?

A. 199.90.10.49, 255.255.255.240

B. 199.90.10.47, 255.255.255.224

C. 199.90.10.47, 255.255.255.240

D. 199.90.10.48, 255.255.255.240

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

A technician performs monthly backups on a file server to a NAS device that can hold 1TB of data. The size of the monthly backups has been as follows:

Month 1 = 50GB

Month 2 = 65GB

Month 3 = 80GB

Starting with Month 1, based on the current rate of growth, in how many months will the NAS run out of available storage space?

- A. 4
- B. 5
- C. 9
- D. 11

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

A technician is installing a rack mounted server into a rack in a datacenter with CRAC units and blanking panels. Blanking panels are used to:

- A. lower the UPS power requirements.
- B. limit airflow leakage in the rack.
- C. limit the amount of servers that will fit into the rack.
- D. color match the server color.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 62

An administrator has been tasked with consolidating six individual servers into one blade enclosure. The administrator completed the task successfully. A week

later, all of the blades would not boot properly. Which of the following would MOST likely be causing this issue?

- A. The blade servers are faulty.
- B. The network module on the blade enclosure is faulty.
- C. The backplane of the enclosure is faulty.
- D. The management modules in the enclosure are faulty.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 63

An administrator purchases a new server, which contains only one Xeon processor. This server is also known as a:



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- A. load balancing server.
- B. multicore server.
- C. redundant server.
- D. single-core server.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64

A technician is concerned about memory data corruption in a server. Which of the following memory types should be considered?

- A. Static
- B. SDRAM
- C. Dynamic
- D. ECC

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 65

A server administrator wants to upgrade the memory of the server using two memory modules. The server has two banks of memory with the following slots available: A2, A3, A4, B2, B3, and B4. In which of the following two slots should the administrator install the additional RAM?

- A. Slots A2 and A3
- B. Slots A2 and B2
- C. Slots A2 and B4
- D. Slots B2 and B3

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 66

A technician is upgrading the memory in a server. The server requires DDR3 Registered DIMMs. The server has four banks of three slots for memory and currently there is one 2GB module in each bank. When the technician attempts to add eight more 4GB modules of DDR3 unbuffered ECC memory, the memory does not fit in the slots. Which of the following is the cause of this issue?

- A. In a bank, 2GB and 4GB memory cannot be mixed.
- B. The server cannot use ECC memory.
- C. The server requires fully buffered memory.
- D. The total memory on the server cannot exceed 24GB of RAM.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 67

Which of the following power plug types would MOST likely be found in a medical facility?

- A. Tip/Ring/Sleeve
- B. Speed lock
- C. Tip/Ring
- D. Twist lock

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 68

Which of the following is a benefit of using raised floors with specially configured tiles in a server room?

- A. To provide for heat dissipation using forced air through the sub-floor.
- B. To provide for liquid cooling systems through the sub-floor.
- C. To provide a location for baffles or shrouds in the sub-floor.
- D. To provide a location for redundant power supplies in the sub-floor.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 69

A technician is installing a 2U rack mount server. The necessary rack space height to accommodate the server is:

- A. 2.5 inches (.064 meter).
- B. 3.0 inches (.076 meter).
- C. 3.5 inches (.089 meter).
- D. 4.0 inches (.10 meter).

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 70

A system technician is asked to create a test environment that will consist of 45 computers and a file server. Which of the following types of servers is BEST suited for IP management in the lab network?

- A. Domain Name Service
- B. Window Internet Naming Services
- C. Dynamic Host Configuration Protocol
- D. Routing and Remote Access

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 71

Which of the following server types is commonly used for authentication and credential storage?

- A. File server
- B. Directory server
- C. Web server
- D. DNS server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 72

Which of the following services provide hostname to IP address resolution? (Select TWO).

- A. NTP
- B. NAT/PAT
- C. DHCP
- D. DNS
- E. WINS
- F. LDAP

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 73

A server technician needs to access a remote Unix server for administration. The technician has requested that ports 23, 25, and 161 be opened on the router. After the ports are opened, the technician is still unable to connect to the Unix server. Which of the following ports should be opened on the server to allow for remote administration?

- A. TCP 21
- B. TCP 22
- C. UDP 69
- D. TCP 3389

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 74

While performing routine testing of a hot standby site located at a remote hosting center, a system administrator is unable to access one of the server operating systems to verify functionality. Which of the following is MOST applicable to access the host?

- A. KVM over IP
- B. RDP over HTTP
- C. Secure shell
- D. Serial console access
- E. VNC

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 75

An administrator needs to control servers locally via a console. The administrator wants a rack mounted solution for easy access. Which of the following should be installed?

- A. iDRAC
- B. KVM
- C. ILO
- D. RDP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 76

A technician is tasked with creating servers that are fault tolerant and highly available. Which of the following would be the BEST solution for this task?

- A. Load balancing
- B. Virtualization
- C. Clustering

D. Round robin

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 77

A technician is asked to troubleshoot a hardware alert on a server. The server is up and running and all users can access their data. Which of the following could the technician use to find the failed component? (Select TWO).

- A. LEDs
- B. Dataflow diagram
- C. Power supply tester
- D. LCD messages
- E. Cabling diagram

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 78

A server administrator is creating a design for a new datacenter. The servers should be configured for maximum availability and also provide caching for user information requests. Which of the following techniques should be used?

- A. Active/Passive
- B. Round robin
- C. Heartbeat
- D. Active/Active
- E. Passive/Passive

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 79

A company is planning to replace old hardware and needs to budget accordingly. Which of the following is likely to contain a list of end of life servers?

- A. The server's warranty information.
- B. The server's life cycle schedule.
- C. The asset management database.
- D. The software licensing agreement.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 80

Historical data shows that on average, a server is likely to fail once every nine months. A company has purchased 24x7, four hour hardware response to replace a server's failed hardware. Additionally, the company can restore a server to its operational status within six hours from the time the failed hardware has been replaced. Which of the following describes this scenario?

- A. The company's MTTR is ten hours.
- B. Individual servers have 99.999% uptime.
- C. Service can be restored within four hours.
- D. The operational SLA is six hours.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 81

A system administrator is given a server with an existing OS installed and four empty SAS bays. The system administrator is asked to set up a new data drive for testing with 100GB of data. For the best possible performance, which of the following should the system administrator select for the data storage?

- A. SCSI
- B. SATA
- C. Solid state drive
- D. Flash drive

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 82

A server administrator has been asked to make recommendations for purchase of a new database server that will be processing all of the company accounts. One area of concern from prior experience is the storage type used by the database server. The server is expected to have a large number of transactions that occur, but will not require a large amount of capacity for the data storage. Given these requirements, which of the following storage criteria are MOST important? (Select TWO).

- A. Capacity
- B. RPM
- C. IOPS



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- D. Seek time and latency
- E. Form factor
- F. Bus width

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 83

An administrator has been tasked with making recommendations for purchasing new disks for a low I/O file server. Keeping in mind that budget and capacity are the primary concerns, which of the following disk types should the administrator recommend?

- A. SATA
- B. FC
- C. SCSI
- D. SAS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 84

When looking at an organization's file server configuration, an IT manager determines that several outages are tied to a lack of redundancy in the disk controller configuration. Which of the following features would the IT manager look for in a new configuration to correct this?

- A. Disk shadowing
- B. RAID 0
- C. Remote journaling
- D. Electronic vaulting
- E. Disk duplexing

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 85

A new server has two drives and a RAID controller. Which of the following is an option for configuring the storage on this server?

- A. RAID 0
- B. RAID 5
- C. RAID 6

D. RAID 10

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 86

A technician is installing a server using a two-channel RAID controller, using RAID1 for the first channel and RAID5 for the second channel. If the technician has six 1TB disks total, how will this configuration look?

- A. One disk RAID1, five disks RAID5
- B. Two disks RAID1, four disks RAID5
- C. Three disks RAID1, three disks RAID5
- D. Four disks RAID1, two disks RAID5

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 87

A server administrator implements external storage for a file server. At a later time, another administrator wants to extend this storage to a second server but is unable to connect to two servers simultaneously. Which of the following storage types was implemented by the first administrator?

- A. DAS
- B. NAS
- C. VSAN
- D. SAN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 88

A technician is tasked with connecting a server to a NAS. Which of the following connection types should be used?

- A. HBA
- B. Ethernet
- C. Fiber Fabric
- D. Multiplexer

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 89

When using multifactor authentication, which of the following represents “something you have”?

- A. A password
- B. A PIN
- C. A fingerprint
- D. An ID card

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 90

A datacenter audit finds that a number of personnel are not using access cards when entering a secured area with a coworker. Which of the following security methods could be implemented to help prevent this behavior?

- A. Mantrap
- B. Keypad
- C. Smart card

D. Security camera

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 91

A technician would like to restrict when internal hardware components on the server are accessed. Which of the following server hardening techniques should the technician implement?

- A. Intrusion detection
- B. BIOS password
- C. Chassis lock
- D. Disable WOL

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 92

An email administrator is tasked to setup a Linux mail server. One of the requirements is to close all ports except SSH, HTTPS, SMTP, POP3, and IMAP4. Which of the following commands should be used to see which ports are currently open on the mail server? (Select TWO).

- A. lsof
- B. netstat
- C. ipconfig
- D. traceroute
- E. ping
- F. dig

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 93

Which of the following authentication protocols could be used to authenticate network administrators at a datacenter to manage switches over a remote SSH connection? (Select TWO).

- A. LDAP
- B. TACACS
- C. RADIUS
- D. SNMP
- E. IPSec
- F. MSCHAP

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 94

An administrator is building a web server to host an online banking application. The server should not have access to the internal network, and only ports that are used by the application should be opened. Which of the following **MUST** be implemented to meet the business requirements?

- A. Add the server to the internal network and use IPSec to encrypt communication between the web server and other devices.
- B. Use an ISA server to block access to the internal network.
- C. Use VPN to block all ports that are not used by the application.
- D. Use the company firewall to block all ports that are not used by the application.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 95

A server administrator is configuring access control on a file server for an organization. The Human Resources manager is taking a leave of absence for three months, during which time an interim Human Resources manager will take over the duties of the position. Which of the following types of access control should be configured on the file server?

- A. MAC
- B. CBAC
- C. DAC
- D. RBAC

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 96

Which of the following methods should be used when classified or sensitive data is stored on a server?

- A. Directory encryption
- B. Whole disk encryption
- C. File encryption
- D. Partition encryption

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 97

A technician working in the datacenter has finished racking a new 4U server into a new rack. Which of the following should the technician do to allow for hot/cold aisle containment?

- A. Close the perforated floor tile in front of the new rack.
- B. Reset the rack temperature and humidity control.
- C. Install blanking panels in the rack.
- D. Lower the temperature of the data center HVAC.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 98

Two technicians are asked to install a 6U server at location U25 in a 40U server rack. The rack has been properly stabilized to the floor. Which of the following tools would BEST be used to install the server?

- A. A static strap.
- B. A server lift.
- C. A PDU.
- D. A UPS.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 99

A new file server is added to an existing network. Some users are able to connect to this server, while others are not. A partial network configuration on the server shows the following:

Link local: fe80::3000:aff:dea6:f8c/64

Which of the following BEST explains why some users cannot connect to the server?

- A. The users' workstations are configured to use DHCP.
- B. The users' workstations do not support IPv6.
- C. The users' workstations are not on the same network as the server.
- D. The user's workstations are configured with an incorrect subnet mask.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 100

A server technician is updating the operating system on a server. Currently, the server is running the following services:

DHCP
WINS
DNS
HTTP

The updated server will be used to allow clients to access Web services, resolve host names to IP addresses for mobile iOS clients, and provide network access to thin clients running a Linux operating system. Which of the following services can be removed?

- A. DHCP
- B. WINS
- C. DNS
- D. HTTP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 101

A server administrator is bringing a new host online. After the initial OS installation and configuration, the administrator is unable to reach hosts on another subnet. The administrator is able to ping and access other hosts on the same subnet. Which of the following should the administrator check FIRST?

- A. Default gateway
- B. Netmask
- C. DNS A (AAAA) record
- D. DNS reverse lookup entry

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 102

Which of the following services provides users with directory services?

- A. IMAP
- B. LDAP
- C. SFTP
- D. DHCP
- E. DNS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 103

In order for a server to fully function as a web server, which of the following default ports should be open? (Select TWO).

- A. 22
- B. 80



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- C. 443
- D. 445
- E. 631
- F. 8080

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 104

Which of the following default ports should be open on a server for remote administration?

- A. TCP 25
- B. TCP 389
- C. TCP 3128
- D. TCP 3389

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 105

Employees working for a company were harmed by toxic fumes during a fire. To prevent this from reoccurring, which of the following cable types is SAFEST to use?

- A. CAT6 cables
- B. Plenum cables
- C. Fiber cables
- D. Coaxial cables

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 106

The shortest time to recovery method in the event of a complete datacenter failure is to utilize a:

- A. warm site.
- B. hot site.
- C. cold site.

- D. private cloud.
- E. hybrid cloud.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 107

Which of the following replication methods is MOST appropriate when integrating data from multiple remote offices?

- A. Server to client
- B. Server to server
- C. Site to site
- D. Disk to disk

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 108

Server A hosts a mission-critical business application. The server has one disk and one NIC. The administrator has been asked to implement a solution to meet the business requirement that the application must maintain high availability, even in case of a hardware failure. Which of the following BEST meets this requirement?

- A. Configure failover clustering using Server A and a new server.
- B. Add multiple disks on the server and configure RAID 5.
- C. Add an additional NIC and configure the NIC as standby.
- D. Move the application to another server that has more resources.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 109

A user accidentally deleted a critical file. A technician tries to restore it from tape backup but receives an error that the file does not exist on the tape. Which of the following should the technician do FIRST?

- A. Verify that the correct tape is in the tape drive.
- B. Re-index the tape library.
- C. Schedule a differential backup to run now.
- D. Update the tape drive firmware.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 110

An administrator is validating disaster recovery mechanisms and wants to ensure backup data is usable and accurate. Which of the following should the administrator do?

- A. Backup verification and test restorability
- B. Label media for all backups
- C. Secure backup in safe location
- D. Keep all backups onsite close to the server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 111

A new version of the primary OS used by a company has been released. Due to some significant changes in the OS, a system administrator wants to see which remotely accessible services are enabled by default to access the security risk prior to upgrading to the new version. Which of the following utilities should the administrator use?

- A. Cipher program
- B. Port scanner
- C. Telnet client
- D. Packet sniffer

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 112

An email administrator is tasked to set up a Linux mail server. One of the requirements is to close all ports except SSH, HTTPS, SMTP, POP3, and IMAP4. Which of the following commands should be used to see which ports are currently open on the email server? (Choose two.)

- A. `lsof`
- B. `netstat`
- C. `ipconfig`
- D. `traceroute`
- E. `ping`
- F. `dig`

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 113

A network administrator finds there are several users who cannot access a particular application. The application does not launch for the users. The network administrator finds the server has not been rebooted in 192 days. Which of the following is the MOST likely cause of these issues?

- A. Memory leak
- B. Low resources
- C. Slow OS performance
- D. Service failure

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 114

A new server has a battery-backed RAID controller built onto the motherboard. Which of the following will occur if the RAID controller fails?

- A. The array configuration information will be lost.
- B. The battery will provide enough power to save the array information.
- C. All data stored on the array is lost.
- D. The array will continue to function in a degraded state.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 115

A network administrator is installing additional devices on the network. The network segment is currently utilizing all allocated IP addresses. If there are additional addresses available, which of the following would be BEST for the network administrator to perform to accommodate the new network devices?

- A. Create a new DHCP scope for the network segment in question.
- B. Configure the DHCP server for IPv6.
- C. Configure the network to use NAT for the network segment in question.
- D. Increase the size of the DHCP scope for the network segment in question.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 116

Which of the following represents the directory permissions to provide least privilege for publicly readable directories on a Unix web server?

- A. rwxrwxrwx (777)
- B. rwxrwx-w- (772)
- C. rwxrwxr-x (775)
- D. rwxrwx-x (771)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 117

A newly hired administrator is tasked to change the number of CPUs assigned to a VM. Which of the following if the FIRST step the administrator should do during a scheduled maintenance window?

- A. Create a snapshot.
- B. Back up the host.
- C. Shut down the guest.
- D. Shut down the host.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 118

A small office has installed a server inside a writing closet. Users report losing connectivity to the server at various times throughout the day. Which of the following should have been considered before installing the server to prevent this issue from occurring?

- A. Airflow
- B. Redundant power
- C. Antivirus software
- D. Chassis lock

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 119

A user is unable to save an image file to the home directory on a server. The server technician checks the disk space and ACL on the user's home directory and finds that the user has enough space and required access to write to the directory. Which of the following is the MOST likely reason why the user is unable to save the file?

- A. The user is attempting to save a file with a prohibited file extension.
- B. There are too many open files on the server.
- C. The user does not have permission to save files to the server.
- D. The hard drive containing the user's home directory is failing.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 120

An administrator needs to deploy 1,000 servers in a short period of time. Which of the following deployment methods will expedite the OS installations?

- A. Use disk duplicating software.
- B. Use USB disk images to deploy servers.
- C. Use a disk replicator.
- D. Use PXE boot to retrieve an image.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 121

Which of the following virtual network settings should be used if the IP addresses of the host is to be shared with the virtual machine?

- A. NAT
- B. Bridged
- C. Host-only
- D. Custom virtual network

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 122

An administrator needs to back up changed files only and has time constraints on the back up window. Which of the following is the BEST choice for a backup strategy?

- A. Differential
- B. Snapshot
- C. Full
- D. Incremental

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 123

The Unified Extensible Firmware Interface (UEFI) allows:

- A. the ability to boot from larger than 2GB disks.
- B. CPU-dependent architecture and drivers.
- C. a non-modular design.
- D. no network capability in the current release.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 124

A technician reads a hardware manufacturer's blog indicating a critical firmware update is available for the company's file server. Which of the following is the BEST course of action?

- A. Download and install a firmware update from a centralized server.
- B. Download the firmware update and test it on a VM.
- C. Download the firmware update and test it on a non-production server.
- D. Download the firmware update and immediately run it on the company's file server.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 125

A server administrator implements external storage for a file server. At a later time, another administrator wants to extend this storage to a second server but is unable to simultaneously connect to two servers. Which of the following storage types was implemented by the first administrator?

- A. DAS
- B. NAS
- C. VSAN
- D. SAN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 126

An administrator has been tasked with making recommendations for purchasing disks that will support a transactional database where performance is of greatest concern and budget is secondary. Which the following disk types should the administrator recommend?

- A. FC
- B. iSCSI
- C. SAS
- D. SATA

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 127

A technician is backing up 10GB of data on a file server to a 250GB external USB hard drive. After 4GB has been backed up, the software generates an error that the size of the backup exceeds the file limit. Which of the following file system types is being used?

- A. FAT32
- B. NTFS
- C. VMFS
- D. ZFS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 128

A technician is having problems sending a notification from a server. The technician suspects the firewall may be blocking traffic. Which of the following clients can be used to confirm the technician's suspicions?

- A. `tracert`
- B. `sendmail`

- C. nslookup
- D. telnet

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 129

After applying a set of OS patches, a systems administrator finds that, on reboot, a server hangs with a blinking cursor after the system POST. Which of the following should the administrator do FIRST?

- A. Attempt to reload the master boot record
- B. Replace the boot drive, and reinstall the OS
- C. Restore the server from backup
- D. Clone the boot drive to another hard drive

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 130

An administrator is securing a network time server by disabling ports. After completing this process, the network time server is not functioning. The administrator should now go back and verify whether which of the following ports is enabled?

- A. 23
- B. 110
- C. 123
- D. 389

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 131

A systems administrator wants to run a report that will analyze a network's server performance at a specific point in time. Which of the following documents would be the best practice to create?

- A. Business impact analysis
- B. Network analysis
- C. Server baseline analysis
- D. network security analysis

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 132

A technician correctly powers off and replaces a cache battery on a RAID controller. When the server is powered back up, it restarts but indicates there are no logical disk volumes found. The server halts. Which of the following components should the technician check FIRST?

- A. Cache battery
- B. BIOS boot order
- C. Controller cabling
- D. Disk backplane

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 133

Which of the following access control methods allows or blocks devices based on MAC addresses?



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- A. Port security
- B. ACL
- C. Host IDS
- D. Network IDS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 134

Which of the following commands displays the network path between two devices?

- A. `ping`
- B. `tracert`
- C. `netstat`
- D. `route`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 135

Which of the following is used in a server to ensure proper cooling and airflow when components are removed?

- A. Heatsink
- B. Voltage regulator

- C. Baffles
- D. Liquid cooling

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 136

A telephone company is responsible for maintaining a list of 25 million names and phone numbers for inclusion in printed phone books as well as in an inline phone directory accessible on the company's website. Which of the following types of servers would be MOST appropriate to store its information?

- A. Web server
- B. Directory server
- C. File server
- D. Database server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 137

A datacenter recently experienced a breach committed by a group that was able to access a server that had been shut down but not disconnected from the network. Which of the following could have prevented the breach from occurring?

- A. Disabling WOL in the server BIOS
- B. Shutting down unneeded ports on the server
- C. Installing anti-malware software on the server
- D. Disabling non-essential services on the server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 138

A systems administrator has performed a memory upgrade on a server. The server does not recognize the new memory. Which of the following is the MOST likely cause?

- A. The CPU does not support the upgraded amount of memory
- B. The HDD firmware needs to be updated
- C. The new memory was installed incorrectly
- D. The original memory is defective

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 139

A technician needs to install more add-on cards than there are available expansion slots. Which of the following would allow the technician to accomplish this?

- A. Backplane
- B. CPU daughterboard
- C. Riser card
- D. Array controller

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 140

An administrator is setting up a new mail server on the network and wants to open necessary ports to allow POP3 protocol for mail delivery. Which of the following ports should be opened in the internal and external firewalls?

- A. 101

- B. 110
- C. 123
- D. 161

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 141

A systems administrator needs to configure the company's web server to authenticate using PKI certificates. Which of the following servers would be queried to validate user credentials?

- A. DHCP server
- B. DNS server
- C. Certificate authority
- D. ACL on web server
- E. LDAP server

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 142

Which of the following ports should be open on a server that provides IP addressing for clients?

- A. TCP 22
- B. TCP 25
- C. UDP 53
- D. UDP 67

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 143

While reviewing a network connectivity issue to a Linux server, the systems administrator issues the `ifconfig` command with the following results:

```
eth0 Link encap:EthernetHWaddr00:30:48:9D:06:73  
      Inetaddr:192.168.0.100Bcast:192.168.0.255Mask:255.  
      255.255.0  
      BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
```

According to the output above, which of the following is the problem?

- A. The adapter is in "BROADCAST" mode
- B. The adapter is not in an "UP" state
- C. The broadcast address is incorrect
- D. The netmask is incorrectly configured

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 144

A manager has noticed that the staff of administrators spends a lot of time running power cords and network cables when installing new servers. The manager would like to reduce the amount of time administrators spend doing the power and network cabling. Which of the following will BEST allow staff to reduce that time?

- A. Mainframe
- B. Tower
- C. 2U rackmount server
- D. Blade server

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 145**

Which of the following ports should be open if a server is configured as an email server with high security for incoming connections? (Choose two.)

- A. TCP 110
- B. TCP 143
- C. TCP 161
- D. TCP 993
- E. TCP 995

Correct Answer: DE

Section: (none)

Explanation**Explanation/Reference:****QUESTION 146**

A technician needs to install another PCIe NIC in a server. The server currently has four fully populated PCIe slots. Which of the following must the technician install before installing the card?

- A. Install a virtual NIC
- B. Install a riser card
- C. Install a daughtercard
- D. Install a KVM

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 147**

Which of the following **MUST** be configured to automate client deployment over PXE boot? (Choose two.)

- A. DNS PTR record
- B. Domain controller name
- C. TFTP server
- D. DHCP option 66
- E. Web server with OS images

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 148

The purpose of Active Directory Federation Services (AD FS) is to:

- A. replace Active Directory Domain Services (AD DS) as a domain management tool in Windows Server 2013
- B. complement authentication and access management features of AD DS
- C. complement authentication and access management features of Active Directory Rights Management Services (AD RMS)
- D. replace Active Directory Certificate Services (AD CS) in Windows Server 2013

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 149

A systems administrator is unable to back up user files. Which of the following is the BEST explanation for this issue?

- A. The files are currently open
- B. The files have been copied
- C. The files have been modified
- D. The files are compressed

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 150

FILE-SERVER-1 is being decommissioned. A server technician powers off the server labeled FILE-SERVER-1 only to find out the label on the server was incorrect, causing an outage. Which of the following could have helped avoid this outage?

- A. IP address
- B. Recovery documentation
- C. Hardware inventory
- D. Network diagram

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 151

A server administrator is formulating a DRP for an organization. The DRP specifies that all backups must be saved in a format that supports linear data access. Which of the following media types would meet this objective?

- A. LTO
- B. SAN
- C. NAS
- D. JBOD

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 152

An administrator is installing a server to be used to dynamically assign IP addresses to the network devices. Which of the following server roles must be used?

- A. RAS
- B. DNS
- C. DHCP
- D. WINS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 153

A technician is logged into the network through VPN. Which of the following utilities can be used to connect to a server to verify a process is running? (Choose two.)

- A. RDP
- B. SSH
- C. DNS
- D. LDAP
- E. Bash
- F. ping

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 154

A server technician has just installed a server with several roles. The technician then launches a command prompt, runs the `netstat` command, and notices the server is listening on the following ports: 88, 389, 464, 3268, and 3269. Which of the following server roles is MOST likely installed on this server, given the ports above?

- A. Database server
- B. Directory server

- C. Mail server
- D. Web server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 155

Which of the following devices should be installed BEFORE installing a server's operating system locally?



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- A. Hard drive
- B. Chipset
- C. NIC
- D. Optical drive

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 156

A technician notices inlet temperatures to rack-mounted servers are significantly higher in the center of the rack as compared to the top and bottom of the rack. Which of the following is the MOST likely reason?

- A. Lack of front-mounted blanking panels
- B. Too much humidity in the room
- C. Room temperature set too high
- D. Air conditioning units sized incorrectly

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 157

A remote technician is notified that a LED light for a server's hard drive is red. Which of the following should the technician check to verify RAID functionality?

- A. Network-based hardware administration
- B. Access control lists
- C. File system check
- D. Connectivity via a serial cable

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 158

Which of the following security measures would be MOST effective in a datacenter that experiences frequent power surges and spikes? (Choose two.)

- A. Security guards
- B. Numeric keypads
- C. Biometrics
- D. Access lists
- E. RFID chips

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 159

A datacenter systems administrator needs to install a new server within an existing rack. Which of the following components would the systems administrator need to physically install the server in the rack? (Choose two.)

- A. Rail kit
- B. Cable management
- C. UPS
- D. Network switch
- E. Fiber cables
- F. KVM

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 160

A server administrator recently upgraded a three-year-old server by replacing the old CPU and memory with a new CPU and memory. After the upgrade, the server regularly generates CPU and memory errors; however, the server is working. The administrator has confirmed the new CPU and memory are not faulty. Which of the following is the MOST likely cause of this problem?

- A. Bad motherboard
- B. Outdated BIOS and firmware
- C. Outdated RAID controller
- D. Bad memory and CPU chipset

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 161

An administrator is decommissioning a company's old accounting system and will be sending all the hardware to an off-site recycler. Which of the following is the BEST method for the administrator to ensure no company data will be exposed before sending drives to the recycler?

- A. Delete both the files and the folders from the hard drives, and then send them to the recycler
- B. After logging out and powering down the server, send the drives to the recycler
- C. Format all drives using the OS, and then send the drives to the recycler
- D. Physically destroy the drives, and then send the drives to the recycler

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 162

Highly classified data is being shared on a company network. The systems administrator needs to ensure the data is safe and only necessary personnel can access it. Which of the following protocols would be BEST to use for this type of data to be shared?

- A. SSH
- B. SCP
- C. NTP
- D. FTP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 163

A server administrator is configuring 10 web servers, each of which can contain up to four hard disks. To get the HIGHEST level of redundancy for these servers, the administrator should:

- A. configure using four disks in a RAID 0 array
- B. configure using four disks in a RAID 5 array
- C. configure using four disks in a RAID 6 array
- D. configure using four disks in a RAID 10 array

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 164

Which of the following default port numbers need to be open on a firewall for a mail server to successfully send and receive mail? (Choose three.)

- A. 22
- B. 25
- C. 53
- D. 80
- E. 110
- F. 143
- G. 161

Correct Answer: BEF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 165

Which of the following is an advantage of blade servers over rack-mount servers?

- A. Reduced power consumption
- B. Enhanced virtualization support
- C. Decreased number of servers per rack
- D. Increased security

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 166

A storage administrator needs to connect a server to a storage array shared by 12 other servers. Which of the following interface types could be used to accomplish this connection?

- A. Fibre Channel
- B. SAS
- C. USB
- D. SCSI

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 167

An enterprise administrator has a server that requires private communication between the application team and the administrator's team. Which of the following solutions would BEST meet this requirement?

- A. Implement a NIDS
- B. Enable a host-based firewall
- C. Install a RADIUS server
- D. Configure IPSec

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 168

A user cannot save a 2 GB file to a file server. A technician determines that permissions are correct and the file system has 10 MB of available space for new files. The technician wants to enable compression as a short-term fix. Which of the following should the technician do FIRST?

- A. Free enough disk space to hold the largest file's uncompressed size
- B. Decrease the amount of system CPU and memory requirements
- C. Encrypt the file system on the server
- D. Install at least enough memory to hold the largest file's uncompressed size

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 169

Which of the following media types allows for the ability to make data written to the media permanent?

- A. LTO WORM tape
- B. DVD-RW disk
- C. CD-RW disk
- D. LTO tape

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 170

An administrator is given the following network information to configure a server with a static IP address: 10.152.0.4/21. Which of the following is the subnet mask for the given IP address?

- A. 255.248.0.0
- B. 255.255.128.0
- C. 255.255.248.0
- D. 255.255.255.248

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 171

When installing processors with mixed stepping levels in a server, which of the following guidelines must be followed? (Select TWO).

- A. The processors must have different frequencies set to operate.
- B. The processor with the highest feature set must be the bootstrap processor.
- C. The processors must have different cache sizes set to operate.
- D. The processors must have the same cache size set.
- E. The processor with the lowest feature set must be the bootstrap processor.

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 172

Which of the following connects the L2 cache to the processor?

- A. PCI
- B. Frontside bus
- C. Backside bus
- D. System I/O bus

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 173

An administrator has just upgraded a server from non-hot plug storage to all hot plug storage.

The administrator powers up the server, during POST the RAID controller is recognized but none of the drive lights flash.

Which of the following should the administrator do FIRST to troubleshoot the problem?

- A. Check the backplane cabling.
- B. Check the server BIOS.

- C. Update the RAID controller firmware.
- D. Install the latest hard drive firmware.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 174

A user is unable to connect to the company's intranet server by FQDN, but can connect by IP address. Other users are not having a problem. An administrator verifies that the user can successfully ping the server by IP address and can properly resolve the FQDN using nslookup.

The problem is persisting after running ipconfig /flushdns.

Which of the following should the administrator do NEXT?

- A. Examine the lmhosts file.
- B. Flush the cache on the DNS server.
- C. Flush the cache on the WINS server.
- D. Examine the hosts file.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 175

An administrator is looking to apply a new service pack for an OS on several systems that run business critical applications for a large international finance corporation.

Which of the following should the administrator do FIRST?

- A. Deploy the service pack to a single department within the corporation.
- B. Upgrade the system with requirements for that service pack.
- C. Deploy the service pack to a non-critical application server.

D. Submit a change control for the service pack deployment.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 176

A company's computer policy dictates that all users workstations must use the company's corporate web page as their default home page. Which of the following methods should an administrator use to BEST comply with this policy?

- A. Configure a logon script to set the homepage at logon.
- B. Set the default homepage to the corporate website in Group Policy.
- C. Manually configure the homepage on all workstations and setup trace logs to ensure compliance.
- D. Set the default homepage to the corporate website on the base computer image.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 177

An administrator has purchased monitoring software that can be configured to send alerts when hardware and applications are having issues. Which of the following must be installed on the monitoring server so that it can properly monitor details on vendor specific devices?

- A. MIBs
- B. SMTP
- C. WMI
- D. DHCP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 178

Which of the following must be configured on printers so that the server can properly monitor details on page counts?

- A. WMI
- B. DHCP
- C. SNMP
- D. MIB

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 179

An administrator has purchased monitoring software that can be configured to alert administrators when hardware and applications are having issues. All devices are configured with SNMP, but the administrator wants to further secure the SNMP traffic. Which of the following settings would BEST provide additional monitoring security? (Select TWO).

- A. Setting up a custom community name
- B. Configuring the network to block traffic on port 161
- C. Configuring the Windows Firewall to block port 161
- D. Setting SNMP to read only on the devices
- E. Installing new MIBs

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 180

When configuring a DHCP server, which of the following can the administrator define for DHCP users? (Select THREE).

- A. Database server

- B. NTP server
- C. DHCP server
- D. SQL server
- E. DNS server



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F. Domain name

Correct Answer: BEF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 181

Which of the following interfaces in Windows server can be used to add a new volume for storage? (Select TWO).

- A. Computer Management
- B. System Properties
- C. Device Manager
- D. Disk Management
- E. My Computer

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 182

When an administrator is troubleshooting a system, which of the following describes the NEXT course of action if a change does not solve the problem?

- A. Establish a new theory of probable cause.
- B. Reverse the change.
- C. Implement the next logical change.
- D. Perform a root cause analysis.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 183

Which of the following expansion cards should be installed into a server to provide fiber channel SAN connectivity?

- A. HBA
- B. USB
- C. UAC
- D. NIC

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 184

Which of the following can occur if the maximum rated load is exceeded on an uninterruptible power supply (UPS)?

- A. There is a fire hazard potential if a power outage occurs.
- B. The last system plugged into the UPS will not be provided any power.
- C. The UPS will draw more power from the circuit to compensate.
- D. The runtime of the UPS will be insufficient if a power outage occurs.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 185

A server is having problems accessing its presented storage on a SAN. Which of the following could be causing the problem? (Select TWO).

- A. NIC
- B. HBA
- C. Tape backup drive
- D. SCSI adapter
- E. CPU

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 186

Which of the following components found in a legacy server has a 16-bit bus?

- A. USB
- B. PCI
- C. ISA
- D. AGP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 187

Which of the following expansion slots would be BEST for a fiber network card?

- A. ISA

- B. PCIx
- C. PCIe
- D. AGP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 188

Which of the following expansion slots is 64-bit?

- A. PCIx
- B. PCI
- C. ISA
- D. PCIe

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 189

Which of the following will allow devices to be added without turning the server off?

- A. Plug and Play
- B. Warm site
- C. Hot plug
- D. Hot site

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 190

Which of the following internal storage devices has the GREATEST storage capacity and is WORM media?

- A. CD-RW
- B. CD-R
- C. DVD-RW
- D. Flash

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 191

Which of the following media types is the MOST durable in harsh environments?

- A. Disk
- B. Tape
- C. Optical
- D. Flash

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 192

Which of the following RAID levels can withstand the simultaneous loss of two physical drives in an array?

- A. RAID 0
- B. RAID 3
- C. RAID 5
- D. RAID 10

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 193

Which of the following protocols would MOST likely be used in the establishment of an IPSec VPN tunnel?

- A. AES
- B. TKIP
- C. 802.1q
- D. ISAKMP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 194

Users have reported that they cannot access certain Internet sites. An administrator wants to test that the sites are properly resolving to an IP address. Which of the following tools would allow the administrator to test name resolution?

- A. net view
- B. ipconfig
- C. dig
- D. ifconfig

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 195

A new server was installed for the purpose of monitoring network traffic. The network has been configured in such a way that all traffic will be mirrored out the port this server is connected to.

When reviewing the network traffic logs on the server only traffic destined to the server is listed in the logs.

Which of the following is preventing the server from seeing all network traffic?

- A. NIC filtering is enabled.
- B. Port security is configured.
- C. NIC is not in promiscuous mode.
- D. NIC is in promiscuous mode.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 196

A server is connected to a gigabit Ethernet switch and has negotiated 1Gbps / Full Duplex. When transferring large files to and from other servers on the segment via FTP slow performance is noticed. All network cabling, network hardware and server hardware were verified to be working correctly. Which of the following could be done to improve performance?

- A. Decrease the TCP window size.
- B. Increase the UDP window size.
- C. Increase the TCP window size.
- D. Decrease the UDP window size.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 197

A new server was installed. Most clients are located in the same subnet as the server and can successfully access the server. Clients located on different subnets have been unable to access the server, but have no trouble accessing other servers on their subnet. Which of the following is the reason that these clients are

unable to access the server?

- A. DHCP has assigned the wrong addresses.
- B. Incorrect default gateway on the server.
- C. DNS entries were not created.
- D. WINS server is not responding.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 198

Which of the following is an SLA?

- A. A document stating the impact analysis of a nonfunctional server.
- B. A contract that details the device replacement time frames.
- C. A contract that details the correct equipment disposal laws.
- D. A statement of compliance with local laws and regulations.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 199

A server failed Thursday evening before the nightly backup. The backup scheme in place was full backups every Sunday, incremental backups on Monday, Wednesday, and Friday, and differential backups on Tuesday, Thursday, and Saturday. To fully restore the server, which of the following is the LEAST amount of backup sets required?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 200

An administrator identifies that a server is shutting down. The administrator powers up the server and OS loads but after a few minutes it powers down again. Which of the following is the cause?

- A. Redundant power supply failure
- B. CPU overheating
- C. Memory failure
- D. Hard disk failure

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 201

Which of the following would be an advantage to using a blade server as opposed to a rack mount server?

- A. Blade servers allow for internal tape drives
- B. Blade servers offer more rack density
- C. Blade servers are typically faster
- D. Blade servers allow for more RAM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 202

A stripe set of maximum size is to be configured using two physical disks. One disk has 150GB and the other has 250GB in unallocated space. Which of the following will be the size of the stripe set?

- A. 150GB
- B. 300GB
- C. 400GB
- D. 500GB

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 203

A technician has a current baseline and is told to install additional memory and a faster NIC card.

At which point in time should the next baseline be run?

- A. After the memory is installed
- B. Before the upgrade is performed
- C. After the NIC is installed
- D. After the upgrades are performed

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 204

Users report that they are unable to connect to a server. An administrator confirms that it is unreachable across the network. Other administrators have been working in the server room throughout the day. Which of the following is the NEXT step the administrator should take?



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- A. Verify the configuration of the connected port on the network switch.
- B. Reboot the server.
- C. Install a new NIC on the server.
- D. Verify that network cables are connected.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 205

A company utilizes the GFS backup standard. Which of the following describes this backup method?

- A. Greatest, Final, Sequential
- B. Full, Partial, Incremental
- C. Monthly, Weekly, Daily
- D. Full, Differential, Incremental

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 206

Which of the following concepts is described as multiple logical subnets traversing the same physical network?

- A. DHCP
- B. VLANs

- C. DMZ
- D. VPNs

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 207

Which of the following expansion cards should be installed in a server to allow the server to connect to a SAN via a fiber channel?

- A. SATA
- B. iSCSI
- C. SCSI
- D. HBA

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 208

Which of the following must be done to properly conduct testing of the data backup portion of a disaster recovery plan?

- A. Perform an integrity test of backup media.
- B. Verify data on backup media can be read.
- C. Verify that backups have occurred and were successful via the logs.
- D. Restore backed up data to a test server.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 209

Which of the following is the MOST important consideration before making a change to a server?

- A. Explore the ramification of the change before implementation.
- B. Determine the service level agreement in place before implementation.
- C. Review the equipment disposal procedures and policies before implementation.
- D. Notify all staff members of the planned system outage before implementation.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 210

An administrator attempts to install the latest security patches for an older server. When the administrator runs the patch installer, the install fails. The administrator tries again, and the installer fails again. Which of the following is the MOST likely reason for this?

- A. The administrator improperly configured the virtual memory settings on the server.
- B. The administrator is using incorrect patch switches for the install.
- C. The administrator is trying to install security patches for software that is not installed.
- D. The administrator is trying to install patches that require hard drive encryption on the server.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 211

Which of the following BEST describes server virtualization?

- A. A single logical server operating on multiple physical servers.
- B. Applications hosted on a single server and deployed to multiple users.
- C. Multiple servers used to host applications for multiple users.
- D. Multiple logical servers operating on the same physical server.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 212

An administrator has encountered a problem with a particular piece of software installed on the server and begins the troubleshooting process. Which of the following is the FIRST place the administrator should look for specific information about the problem?

- A. The supporting documentation
- B. The vendors website
- C. The Internet
- D. The servers event logs

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 213

Which of the following is the MOST important factor when considering environmental factors?

- A. Server room access should be limited to authorized personnel.
- B. Servers should be kept in a warm and dark environment.
- C. Remove the floppy drives from the system.
- D. The server administrator should ensure adequate levels of cooling.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 214

Which of the following ports does a telnet application utilize?

- A. 21
- B. 23
- C. 80
- D. 443

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 215

Which of the following is the MOST common problem that occurs in server rooms?

- A. Excessive cooling
- B. Dust buildup
- C. Poor ground wires
- D. Wet floors

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 216

Which of the following is an environmental server maintenance task that should be performed every three months?

- A. Replace the rubber mats in the server room
- B. Clean the servers to limit dust buildup
- C. Wash the outside of the servers
- D. Replace the server fans

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 217

An administrator has just installed a new NIC into the server. The system POSTs fine and the NIC is recognized by the OS, but it does not receive an IP address. Which of the following is the MOST likely cause of this?

- A. The NIC is not on the HCL.
- B. The driver is incorrect on the server.
- C. The patch cable has not been seated properly.
- D. The NIC is not seated properly.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 218

Which of the following is the FIRST thing that should be done in order to begin reinstalling TCP/IP on the server?

- A. Configure netsh settings in case of backup
- B. Restart the server
- C. Notify users
- D. Uninstall TCP/IP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 219

Which of the following RAID arrays performs mirroring of the disks first, then striping of the disks?

- A. RAID 1
- B. RAID 0+1
- C. RAID 6
- D. RAID 10

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 220

Which of the following is the BEST place to find the latest BIOS upgrade of the server system board?

- A. Third-party vendor
- B. BIOS manufacture website
- C. Operating system manufacture website
- D. Servers manufacture website

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 221

Which of the following would be the BEST configuration when using seven SCSI drives in order to have full fault tolerance?

- A. RAID 0+1
- B. RAID 0
- C. RAID 1
- D. RAID 5

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 222

A company would like to upgrade an old server to a multi-processor box. The server currently has a single 3.0GHz 1Mb cache processor in it with a single empty socket. The only processor that is available from a manufacturer is a 3.0GHz 2Mb cache model. Which of the following is the BEST reason why this upgrade will not work?

- A. The socket size does not match
- B. The cache is from a different manufacturer
- C. The processors do not match
- D. Processors cannot be upgraded after server has been deployed

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 223

For a technician to test network connectivity to a remote host on a Unix Server which of the following commands should they run?

- A. IPCONFIG
- B. PING
- C. ARP
- D. IFCONFIG

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 224

A technician wants to increase the reliability of a DHCP server. Which of the following components should be installed to increase the server's uptime on the network?

- A. Increase the amount of RAM
- B. Use a lower voltage power supply
- C. Add a hardware firewall
- D. Install redundant NICs

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 225

Which of the following is a standard IEEE 1394 transmission speed?

- A. 100Mbps
- B. 400Mbps
- C. 480Mbps
- D. 1000Mbps

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 226

Which of the following offers the highest level of redundancy in the design of a storage system?

- A. A Dual Port HBA with a pair of Point-To-Point connections to the SAN.
- B. Two Single Port HBAs connected to a fiber switch.
- C. A Dual Port HBA with a Point-To-Point connection to a SAN.
- D. Two Dual Port HBAs connected to a pair of fiber switches.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 227

When installing external SCSI devices, terminators are required on: (Select TWO)

- A. the SCSI adapter.
- B. each device.
- C. the first device.
- D. the last device.
- E. the servers parallel port.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 228

A company has recently upgraded all backup hardware and media from DLT IV to LTO3 tapes and tape drives. Several weeks after the upgrade, the development team discovers a corruption in one of the application servers and must restore from one of the DLT IV tapes. Which of the following steps are necessary for the server administrator to use these tapes?

- A. Reformat the DLT IV tape in LTO3 format. Load the tape.
- B. Install the DLT IV driver on the LTO3 drive. Load the tape.
- C. Load the DLT IV tape into the LTO3 drive.
- D. Replace the LTO3 drive with a DLT IV tape drive. Load the tape.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 229

A technician is responsible for overseeing twelve remote offices. There was a report of a power outage at one of the remote offices the night before, and now one of the servers there has not rebooted even though it was shut down gracefully. The technician was forced to travel two hours just to turn the server on. Which of the following is the MOST cost effective way to prevent future travel?

- A. Install a generator onsite.
- B. Install a remote management card in the server.
- C. Install an uninterruptible power supply (UPS) onsite.
- D. Move the server to the main office.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



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