SK0-004 Dumps

CompTIA Server+

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NEW QUESTION 1
A blade chassis can hold 16 half-height blades or eight full-height blades. Which of the following is the MAXIMUM number of half-height blades that can be installed in the chassis if six full-height blades are already installed?

A. 2
B. 4
C. 8
D. 16

Answer: B

NEW QUESTION 2
A server administrator is implementing disk redundancy in all database servers. Which of the following RAID configurations should the administrator use so that a MINIMUM number of disks are required?

A. RAID 0
B. RAID 1
C. RAID 5
D. RAID 6

Answer: B

NEW QUESTION 3
A server administrator is configuring a new server for an organization. The server will function as a firewall and proxy server, as well as provide NAT services for other devices on the network. Which of the following BEST describes how the network hardware on the server should be configured?

A. The server should have at least two NICs: one configured with an IP address on the inside network, and one with an IP address on the outside network.
B. The server should have at least two NICs: each NIC should be configured with an IP address on the same network segment.
C. The server requires only one NIC, as the NIC can be configured with two IP addresses: one for the inside network segment, and one for the outside network segment.
D. The server requires at least three NICs: one configured with an IP address for the intranet clients, one with an IP address on the inside network, and one with an IP address on the outside network.

Answer: A

NEW QUESTION 4
Which of the following is the MOST redundant power solution?

A. Two power supplies, each hooked up to individual legs of one 3-phase circuit.
B. Two power supplies, each hooked up to the same 1-phase circuit.
C. Two power supplies, each hooked up to separate 1-phase circuits.
D. One power supply hooked up to two 1-phase circuit

Answer: C

NEW QUESTION 5
The IT director instructed the systems administrator to build a server to support the accounting department's file growth. The IT director requested that the accounting users have the ability to encrypt their files; however, the accounting users have reported the inability to encrypt their files. Which of the following file system types is MOST likely causing this issue?

A. QFS
B. ZFS
C. FAT32
D. CIFS
E. ext4

Answer: C

NEW QUESTION 6
Which of the following server types translates FQDNs to IP addresses?

A. DHCP
B. SMTP
C. DNS
D. FTP

Answer: C

NEW QUESTION 7
Which of the following is the purpose of an NTP server?

A. For hosting instant messaging applications
B. For synchronizing clocks on network devices
C. For file sharing and collaboration
D. For hosting newsgroups

Answer: B

NEW QUESTION 8
An administrator needs to reconfigure a Linux server's operating system. Which of the following tools can the administrator use to access a command shell over the network? (Select TWO).

A. Connect with SSH
B. Connect with RDP
C. Connect with VNC
D. Connect with BASH
E. Connect with FTP

Answer: AC

NEW QUESTION 9
A customer reports that connectivity to their web server has been sporadic throughout the morning. An administrator has applied OS patches periodically throughout the morning and rebooted the server. Which of the following has the administrator MOST likely violated?

A. Service level agreement
B. Mean time before failure
C. Mean time to repair
D. Request for proposal

Answer: A

NEW QUESTION 10
A system administrator is asked to set up several physical file servers that have recently crashed due to a power failure. Which of the following documents should the administrator refer to in order to complete this task?

A. Server configuration documentation
B. Network diagram
C. Asset management documentation
D. Dataflow diagram

Answer: A

NEW QUESTION 10
A hardware compatibility list recommends striping with double parity as storage for an application. In a test environment, a technician realizes that a different RAID level can be used to compensate for a limited number of available disks. Which of the following is the closest RAID level the technician should deploy while minimizing the number of disks and maintaining fault tolerance?

A. 1
B. 5
C. 10

Answer: C

NEW QUESTION 11
A system administrator has determined that more storage is needed for company dat

A. The storage requires the highest speed data transfer rate with maximum performanc
B. Which of the following solutions MUST be implemented to meet the business requirements?
C. FC SAN
D. FCoE
E. iSCSI
F. JBOD

Answer: A

NEW QUESTION 12
Which of the following is the MOST secure method of storing critical and sensitive system information (e.g., administrative passwords, trusted signing keys)?

A. Store the information encrypted and offline in a storage safe.
B. Encrypt the information using a zip file with a password.
C. Utilize a drive with full disk encryption enabled.
D. Create an encrypted virtual disk for storag

Answer: A

NEW QUESTION 16
A company has recently had sensitive data stolen by a contractor who plugged a flash drive into a server. Which of the following is the BEST method to prevent future occurrences?

A. Disable any unused physical ports until needed
B. Implement a BIOS password on all the servers

C. Install chassis locks on all the servers
D. Restrict usage of flash drives in company policy

Answer: A

NEW QUESTION 18
Which of the following is an example of the principle of least privilege and is the MOST secure when granting access to a shared network drive used by the Accounting department?

A. Grant appropriate permissions to only users in the Accounting department for both the share and NTFS
B. Grant all users full control permissions for the share only
C. Grant the Accounting department full control for the share and appropriate NTFS permissions
D. Grant modify permissions to the Accounting department and deny NTFS permissions to all other users

Answer: A

NEW QUESTION 20
Which of the following methods should a technician perform to properly clear a hard drive before disposal?

A. Delete the FAT
B. Zero all block sectors
C. Delete the partition
D. Zero the NTFS journal

Answer: B

NEW QUESTION 22
A server technician is performing a server installation. This server must be able to resolve host names for users running a variety of client operating systems. At a minimum, which of the following services should be enabled on the new server? (Select TWO).

A. NAT
B. DNS
C. LDAP
D. WINS
E. SNMP
F. DHCP

Answer: BD

NEW QUESTION 23
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

Answer: C

NEW QUESTION 26
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

Answer: B

NEW QUESTION 29
A server technician is connecting a server to a switch in the server room. Both the server and the switch are equipped with 10 Gigabit Ethernet adapters. Which of the following cable choices would produce the BEST throughput?

A. CAT6 rollover cable
B. CAT5e straight-through cable
C. CAT6 straight-through cable
D. CAT5e crossover cable

Answer: C

NEW QUESTION 32
A server administrator is setting up a new set of hosts for an application that requires communication between all the hosts on a dedicated private subnet. Initially, the configuration consists of four hosts and is expected to grow to 48 total as the application is implemented for the entire company. When configuring the private

subnet, which of the following CIDR netmasks would allow for the full number of hosts once the application is fully in production with the least number of unused addresses allocated?

A. /25
B. /26
C. /27
D. /28

Answer: B

NEW QUESTION 37

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

Answer: C

NEW QUESTION 40

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

Answer: B

NEW QUESTION 42

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

Answer: D

NEW QUESTION 46

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 networ

Answer: B

NEW QUESTION 48

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

Answer: A

NEW QUESTION 53

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 lo

Answer: B

NEW QUESTION 58
A system administrator notices that a server is consistently getting slower and less responsive the longer it has been since the last reboot. Once the server is rebooted, the system performs at the expected baseline, but starts slowing down again until the system is unresponsive. Which of the following is the MOST likely cause of this problem?

A. OS performance misconfiguration
B. Service/application memory leak
C. Incorrect server resource specifications
D. Corrupted application files

Answer: B

NEW QUESTION 60
A new DHCP server is placed on a network segment during off hours. When work resumes, users on a different network segment report connectivity issues. Users on the same network segment report no connectivity issues. Which of the following is the MOST likely reason for the connectivity issues?

A. The DHCP server was configured without specifying a WINS server address for the users.
B. The DHCP server was configured without specifying a DNS server address for the users.
C. The DHCP relay agent was not configured on the adjacent network segment.
D. The DHCP server was configured to use private IP addressing to all network segment

Answer: C

NEW QUESTION 63
A server administrator is notified that all three hard disks in a server array have failed. Which of the following is the MOST likely cause?

A. Incompatible BIOS
B. Backplane failure
C. Cache battery failure
D. Incorrect firmware version

Answer: B

NEW QUESTION 66
When troubleshooting a failed backup, a technician runs the backup using the same tape but on a different tape drive in the same tape library. The backup fails again. Which of the following should be the FIRST item the technician should examine as a failure?

A. Tape drive
B. Tape library
C. Tape media
D. Tape capacity

Answer: C

NEW QUESTION 69
A technician needs to add a processor to a server. Which of the following specifications should the technician examine? (Select THREE).

A. Bus multiplier
B. Processor speed
C. Socket type
D. Processor stepping
E. L3 cache size
F. Thermal specifications

Answer: BCD

NEW QUESTION 72
A server's runtime during power outages is too short to shut down properly. A system technician is asked to remediate the problem. Which of the following would be the result of adding additional batteries to the UPS?

A. Increased load balancing
B. Extended uptime
C. Greater efficiency
D. Increased power output

Answer: B

NEW QUESTION 77
Two new applications have been added to a working server. The server response is now very slow. An appropriate plan of action is to:

A. uninstall each server application and reinstall the two new applications.
B. install another application to see if this improves the server response time.
C. install antivirus and malware software.
D. uninstall the newly installed applications one at a tim

Answer:

D

NEW QUESTION 78
Which of the following is the core software application that manages computer virtualization?

A. Hypervisor
B. Hyperthreading
C. Console
D. KVM

Answer: A

NEW QUESTION 82
Swap space or page file is reserved on the:

A. motherboard.
B. memory.
C. hard disk.
D. CPU.

Answer: C

NEW QUESTION 86
An administrator needs to deploy 1000 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 imag

Answer: D

NEW QUESTION 88
Which of the following are required characteristics of database servers in high transaction environments? (Select THREE).

A. Two-factor authentication
B. High bandwidth
C. Higher RPM drives
D. Load balancing
E. High latency
F. Hotswappable drives
G. Encryption

Answer: BCD

NEW QUESTION 89
Which of the following allows virtual machines to share the NIC of the host?

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

Answer: C

NEW QUESTION 90
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

Answer: B

NEW QUESTION 91
A technician notices a rack mounted server is beeping without booting up. The NEXT step to diagnose this issue would be to:

A. continue to power cycle the server until it boots normally.
B. count the beeps and reference the service manual.
C. disable the alarm within the server.
D. install the server into a different rac

Answer: B

NEW QUESTION 96
Which of the following is a basic difference between DAS and NAS?

A. NAS requires fibre channel; DAS does not.
B. NAS is faster than DAS when using NFS.
C. DAS operates its own OS; NAS does not.
D. DAS is directly connected to a server; NAS is connected via IP networkin

Answer: D

NEW QUESTION 99
Which of the following is a reason to have a remote cold site readily available in case of a disaster in the primary datacenter?

A. It provides a company with a redundant location that mirrors the primary datacenter hardware but requires no data restoration.
B. It provides a company with a backup location to install the necessary equipment to restore critical services.
C. It provides a company with a backup location equipped with resources necessary for immediaterestoration of critical services.
D. It provides a company with a redundant location that mirrors the primary datacenter hardware and data.

Answer: B

NEW QUESTION 104
A mission critical server has faulted with a dead 66 MHz 3.3V PCI-X network interface card. The system administrator has been directed to get the server functional as soon as possible, even if it is connected with less bandwidth. There are no onsite spare cards available and the vendor does not expect to have the parts for at least a week. Which of the following immediately available NICs could be substituted instead?

A. 33 MHz 3.3V PCI
B. 66 MHz 5V PCI
C. 266 MHzx 3.3V PCI-X
D. 533 MHz 5V PCI-X

Answer: A

NEW QUESTION 106
Which of the following protocols is used primarily for monitoring and managing network devices?

A. SNMP
B. SMTP
C. FTPS
D. NTP

Answer: A

NEW QUESTION 109
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

Answer: B

NEW QUESTION 110
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

Answer: C

NEW QUESTION 112
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

Answer: B

NEW QUESTION 113
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?

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 mappe

Answer: B

NEW QUESTION 115
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

Answer: A

NEW QUESTION 119
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

Answer: B

NEW QUESTION 121
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

Answer: C

NEW QUESTION 125
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

Answer: A

NEW QUESTION 129
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

Answer: A

NEW QUESTION 132
A system administrator is tasked to enable authentication on a web server's login page. One of the requirements for the web server is to encrypt authenticated sessions over HTTP protocol for all static HTML pages. Using the information supplied, which of the following default port numbers should be used to satisfy these requirements?

A. 53
B. 8080
C. 143
D. 443

Answer: D

NEW QUESTION 136
A host server in a small business environment does not have virtual switching configured. The NIC on a guest is configured with an IP address that is on a different subnet from the host server. Which of the following would MOST likely happen in this case?

A. The guest will not have network access to the host or network resources.
B. The guest would have access to all network resources.
C. The guest would have network access to everything but the host.
D. The guest will have network access to the host serve

Answer: A

NEW QUESTION 141
Which of the following factors would cause a technician to select a hard drive over an SSD as a primary storage medium?

A. Speed
B. Power consumption
C. Form factor
D. Cost

Answer: D

NEW QUESTION 145
Which of the following describes a rack mounted server that is 2 rack units (2U) in height?

A. 2.5 inches (6.35 cm)
B. 3.0 inches (7.62 cm)
C. 3.5 inches (8.89 cm)
D. 4.0 inches (10.16 cm)

Answer: C

NEW QUESTION 148
An administrator has a UPS rated at 200 amps per hour. Which of the following is the maximum runtime of this UPS when hooked up to a server drawing 400 amps per hour?

A. 15 minutes
B. 30 minutes
C. 60 minutes
D. 120 minutes

Answer: B

NEW QUESTION 150
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

Answer: B

NEW QUESTION 154
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 RA

Answer: C

NEW QUESTION 159
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

Answer: D

NEW QUESTION 162
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).

Answer: C

NEW QUESTION 167
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

Answer: C

NEW QUESTION 168
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

Answer: B

NEW QUESTION 171
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

Answer: B

NEW QUESTION 172
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

Answer: C

NEW QUESTION 173
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

Answer: D

NEW QUESTION 175
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 hour

Answer: A

NEW QUESTION 179
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

Answer: C

NEW QUESTION 181
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

Answer: D

NEW QUESTION 184
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

Answer: A

NEW QUESTION 188
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

Answer: BC

NEW QUESTION 189
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

Answer: D

NEW QUESTION 193
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

Answer: B

NEW QUESTION 197
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.

Answer: B

NEW QUESTION 200
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
C. 443
D. 445
E. 631
F. 8080

Answer: BC

NEW QUESTION 203
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

Answer: D

NEW QUESTION 204
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

Answer: C

NEW QUESTION 206
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 resource

Answer: A

NEW QUESTION 211
A technician is working on a server that is experiencing network connectivity issues. The technician replaces the NIC on the server, but this does not resolve the issue. Which of the following troubleshooting steps should the technician do NEXT?

A. Establish a new theory of probable cause
B. Perform a root cause analysis
C. Document findings, actions, and outcomes
D. Identify additional changes to the server

Answer: A

NEW QUESTION 213
A blade server indicates it has a failed hard disk in Slot 0. This is the third instance of Slot 0 disk failure in three months. Which of the following is the MOST likely cause of the failed hard disk in Slot
0?

A. Host bus adapter
B. Backplane
C. Network interface card
D. Central Processing Unit

Answer: B

NEW QUESTION 217

A server with a number of graphics cards installed was recently upgraded with additional graphics cards. Once the server is started, the system powers off unexpectedly. Prior to the upgrade, the server was stable and exhibited no odd behavior. Which of the following is the MOST likely cause of the problem?

A. The card device drivers are out of date and need to be updated.
B. The power supply cannot handle the additional power for the new cards.
C. The operating system does not recognize the new cards.
D. The cards are not compatible with the other server hardwar

Answer: B

NEW QUESTION 222
A user changed departments from sales to accounting. The user is unable to access the shared network drive containing the accounting department's files. Which of the following should a technician check?

A. File permissions
B. Folder redirections
C. Local group policy
D. Encryption type

Answer: A

NEW QUESTION 226
A user in the accounting department reports that print jobs are not printing. A user in the software development department also cannot print to the same printer, but can print to two other printers on different print servers. Which of the following should be the administrator's FIRST step?

A. Determine whether the server is out of virtual memory.
B. Check whether the print spooler service has started.
C. Reboot the print server.
D. Have the users reboot their workstation

Answer: B

NEW QUESTION 228
An administrator receives multiple reports that users cannot access a secure website hosted on a server the administrator manages. The administrator investigates and discovers that the reason users cannot access the secure site is because:

A. port 22 is closed.
B. port 80 is closed.
C. port 443 is closed.
D. port 3389 is close

Answer: C

NEW QUESTION 230
Users on multiple network segments report that they are unable to retrieve email from a server. Which of the following commands will allow a server technician to ensure that the email service is running on the server?

A. ifconfig
B. ipconfig
C. nbtstat
D. netstat

Answer: D

NEW QUESTION 235
An administrator sees a message in the system console that a drive is bad in the single-volume JBOD storage array. A few minutes later, a user calls the help desk to report an inability to read a file from a
mapped drive. Which of the following should the administrator do?

A. Swap out the failed drive and let the array rebuild.
B. Allow the array rebuild automatically using the hotspare.
C. Replace the failed drive and restore the data from the last backup.
D. Reseat the failed drive and restore the array using the parity driv

Answer: C

NEW QUESTION 237
A server has recently been configured as a network firewall. After the firewall was configured, users could no longer access a remote server. Which of the following, if properly configured on the firewall, will allow users to have secure access to the remote server? (Select TWO).

A. Allow TCP port 21
B. Allow TCP port 22
C. Allow TCP port 23
D. Allow TCP port 25
E. Allow TCP port 161
F. Allow TCP port 3389

Answer: BF

NEW QUESTION 241
Multiple users report that an application attempting to open a file retrieved from a server reports that the file is corrupted. Which of the following applications can be used on the server to verify file integrity?

A. Checksum
B. Port scanner
C. Cipher
D. Anti-malware

Answer: A

NEW QUESTION 246
A technician has access to a recent full backup. Data has changed since the last backup. Which of the following provides the fastest restore while minimizing backup size?

A. Bare metal
B. Full backup
C. Differential backup
D. Incremental backup

Answer: C

NEW QUESTION 249
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

Answer: AB

NEW QUESTION 253
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 stat

Answer: B

NEW QUESTION 257
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 hos

Answer: A

NEW QUESTION 262
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.

Answer: A

NEW QUESTION 264
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

Answer: A

NEW QUESTION 266
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 serve

Answer: C

NEW QUESTION 269
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

Answer: A

NEW QUESTION 273
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. traceroute
B. sendmail
C. nslookup
D. telnet

Answer: A

NEW QUESTION 275
An administrator needs to run five CAT6 cable runs to a new server. Which of the following steps should the administrator do FIRST?

A. Install the cables into cable trays.
B. Verify the bend radius of the cables.
C. Bundle the cables with velcro or zip ties.
D. Label both ends of the cables with unique identifier

Answer: D

NEW QUESTION 278
A clustered server goes offline due to a backplane failure. Which of the following clusters does not lose capacity when a server goes offline?

A. An active-passive cluster
B. A distributed cluster
C. An active-active cluster
D. A standby switch cluster

Answer: C

NEW QUESTION 281
Which of the following hypervisors is physically installed on a server?

A. Type 1
B. Type 2
C. VDI
D. Hybrid

Answer: A

NEW QUESTION 284
A server has two power supplies. If power is lost to the second power supply, which of the following will occur?

A. The server will gracefully shut down
B. The server will remain in operation

C. The automatic transfer switch will bring in generator power
D. The UPS will exceed maximum load

Answer: B

NEW QUESTION 288
A server has rebooted early in the morning on the second Wednesday of each month for the past three months. No one was logged into the server at the time of the reboots, and there was no planned maintenance on any of the mornings in question. Which of the following is a server technician likely to inspect FIRST to determine the cause of the reboots?

A. System event logs
B. Update settings
C. Maintenance settings
D. Security event logs

Answer: B

NEW QUESTION 291
An existing server has three 1 TB 7200 RPM SATA drives and five empty drive bays. The network manager orders three 2 TB 5400 RPM SAS drives. The technician installs them properly, but when attempting to provision the drives, a message displays "Type mismatch". Which of the following is the reason for this error message?

A. There is a firmware mismatch on the hard drives
B. the drives must be from the same manufacturer
C. The drive sizes must match
D. The SATA and SAS drives cannot be mixed

Answer: D

NEW QUESTION 293
An outside contractor is hired to perform a business impact analysis of a simulated disaster. The contractor asks stakeholders what they think a hurricane would do to the business. This is an inadequate method because:

A. the question is related to disaster recovery, not impact analysis
B. the question is subjective and does not represent a complete business impact analysis
C. it is impossible to perform an impact of anything simulated
D. hurricanes vary in intensity, so the business impact is always unknown

Answer: B

NEW QUESTION 296
A datacenter customer reports the servers are having hardware failures at an unusual rate. A server technician is dispatched to the datacenter floor and notices several racks have condensation on their cold-side doors. Which of the following is the technician likely to report as the MOST likely cause of the hardware failures?

A. Cooling failure
B. Overheating
C. Power surge
D. Humidity controls

Answer: D

NEW QUESTION 299
A systems administrator creates a new file server. Before the users can access the server, which of the following must be done FIRST?

A. Set up an iSCSI target
B. Configure WWN on the SAN
C. Join domain/directory
D. Disable the firewall

Answer: C

NEW QUESTION 301
A customer reports their mail can send emails but not receive them. A technician arrives on-site to troubleshoot the issue. Which of the following troubleshooting steps should the technician do FIRST?

A. Identify changes to the server
B. Establish a theory of probable cause
C. Escalate the problem to a manager
D. Perform a root cause analysis

Answer: B

NEW QUESTION 302
Immediately following a BIOS firmware update, a server detects an overheat condition and shuts down after five minutes. Which of the following should the

systems administrator do FIRST?

A. Ensure the system fans are running
B. Disconnect the server's power and restore the backup ROM
C. Run the hardware manufacturer's onboard diagnostics
D. Reapply thermal paste to the CPUs and heat sinks

Answer: A

NEW QUESTION 305
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

Answer: C

NEW QUESTION 309
Which of the following access control methods allows or blocks devices based on MAC addresses?

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

Answer: A

NEW QUESTION 314
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

Answer: B

NEW QUESTION 319
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

Answer: A

NEW QUESTION 322
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

Answer: D

NEW QUESTION 324
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

Answer: DE

NEW QUESTION 329

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

Answer: CD

NEW QUESTION 332

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

Answer: A

NEW QUESTION 337

A server has five hot swappable drives in a hardware RAID 5 configuration. One of those drives has issued a predictive failure warning to the server's management console. Which of the following is the BEST course of action?

A. Replace the drive and restore data from backup
B. Reformat the drive and restore data from backup
C. Reformat the drive and have the RAID controller rebuild the configuration
D. Replace the drive and have the RAID controller rebuild the configuration

Answer: C

NEW QUESTION 341

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

Answer: AB

NEW QUESTION 343

An IT manager noticed that specific directories' permissions are being changed by users. Which of the following will prevent this from occurring?

A. Allow Read permissions only on directories
B. Allow Write permissions only on directories
C. Allow Full permissions on directories
D. Allow Modify permissions only on directories

Answer: A

NEW QUESTION 346

Maintaining operations in the event of a complete power outage requires a tested and established:

A. hardware maintenance plan
B. site recovery plan
C. business continuity plan
D. incident response plan

Answer: C

NEW QUESTION 348

A security incident occurs that requires a systems administrator to take an image of a user's workstation hard drive. Which of the following should be taken at the time the system image is generated and retained through the file of the investigation to assure files have not been modified since?

A. A checksum hash of the drive image or files
B. Copies of the system logs at specific intervals
C. A snapshot of the file system
D. The user's credentials and permissions

Answer: A

NEW QUESTION 349

A technician is asked to install three servers: a 1U, a 4U, and a 6U. Which of the following is the MOST correct order to install these servers starting from the top of the rack?

A. 1U, 4U, 6U
B. 4U, 1U, 6U
C. 4U, 6U, 1U
D. 6U, 4U, 1U

Answer: A

NEW QUESTION 354

A systems administrator is installing a new software package on a server. The software has many dependencies. Which of the following would be the BEST solution for the systems administrator to take to ensure there is no downtime with the installation of this software package?

A. Deploy the software to production
B. Deploy the software in a sandbox
C. Uninstall the application software
D. Uninstall the software updates

Answer: B

NEW QUESTION 357

A systems administrator has determined that there are several users experiencing problems within two offices that have recently merged into one OU. Users within one of these offices are not having these issues. Which of the following is MOST likely misconfigured?

A. Group policies
B. Firewall policies
C. File permissions
D. Port permissions

Answer: A

NEW QUESTION 359

A user is reporting lack of connectivity to the server. Which of the following tools will provide feedback to the administrator while troubleshooting basic IP connectivity? (Choose two.)

A. net use
B. ping
C. traceroute
D. mount
E. telnet

Answer: BC

NEW QUESTION 364

A technician is configuring the IP networking portion on a server installation. Which of the following types of IP addresses would be BEST to use for this server?

A. APIPA
B. Dynamic
C. Static
D. Reserved

Answer: C

NEW QUESTION 365

A technician has a server with ten hard drives in a RAID 6 configuration. Which of the following is the MAXIMUM number of drives that can fail in the array while maintaining data integrity?

A. 1
B. 2
C. 3
D. 4

Answer: B

NEW QUESTION 369

An enterprise technician is tasked to implement a disk array that will host continuous disk-to-disk replication. Which of the following storage types should be selected for maximum performance?

A. USB
B. SCSI
C. SATA
D. SAS

Answer: D

NEW QUESTION 372
Which of the following components is required to connect multiple servers to a SAN?

A. Router
B. HBA
C. RAID controller
D. Fiber switch

Answer: B

NEW QUESTION 376
A systems administrator is troubleshooting a server that will not turn on. The LED lights are not blinking, and no status light indicators are available. The administrator has checked the PDU and UPS to verify proper functionality. Which of the following components is the MOST likely cause of this problem?

A. NIC failure
B. Memory failure
C. CPU failure
D. Power supply failure

Answer: D

NEW QUESTION 377
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

Answer: B

NEW QUESTION 382
Which of the following devices should be installed BEFORE installing a server's operating system locally?

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

Answer: A

NEW QUESTION 384
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

Answer: C

NEW QUESTION 387
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

Answer: AE

NEW QUESTION 390
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

Answer:

C

NEW QUESTION 395
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

Answer: BEF

NEW QUESTION 398
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

Answer: A

NEW QUESTION 400
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

Answer: D

NEW QUESTION 402
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

Answer: C

NEW QUESTION 403
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 firmwar

Answer: A

NEW QUESTION 406
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 lmhost file.
B. Flush the cache on the DNS server.
C. Flush the cache on the WINS server.
D. Examine the hosts fil

Answer: D

NEW QUESTION 409
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 deploymen

Answer: D

NEW QUESTION 414
Which of the following can limit cabling mistakes?

A. Proper labeling
B. Asset management
C. Keeping good vendor logs
D. Keeping up-to-date repair logs

Answer: A

NEW QUESTION 417
Which of the following actions will prevent a driver from being reinstalled automatically?

A. Run the disable command.
B. Disable the device using Device Manager.
C. Review manufacturer manual.
D. Reboot the server, logon in Safe Mode, uninstall the drive

Answer: B

NEW QUESTION 418
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

Answer: C

NEW QUESTION 421
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
F. Domain name

Answer: BEF

NEW QUESTION 425
A company has had problems with their HVAC system being able to cool their datacenter as they
have grown. Which of the following could BEST be used to help reduce the load on the HVAC system?

A. Replacing the CAT5 cables with CAT6 cables
B. Replacing traditional racks with water cooled racks
C. Turning off non-critical application servers during non-business hours
D. Taking the second power supplies out of non-critical servers

Answer: B

NEW QUESTION 426
Which of the following is designed to guarantee that once data is written it cannot be modified? (Select TWO).

A. Flash
B. DLT4 tapes
C. CD-R
D. SDLT tapes
E. WORM

Answer: CE

NEW QUESTION 429
Which of the following assists with airflow in a server? (Select TWO).

A. Riser cards

B. Water cooling
C. Shroud
D. Baffile
E. Heat sinks

Answer: CD

NEW QUESTION 431
Which of the following BEST describes RAID 10?

A. Mirroring with striping
B. Mirroring with fault tolerance
C. Striping
D. Striping with distributed parity

Answer: A

NEW QUESTION 434
Which of the following BEST describes RAID 1?

A. Mirroring
B. Striping
C. Striping with parity
D. Striping with mirroring

Answer: A

NEW QUESTION 436
Which of the following BEST describes RAID 0?

A. Striping with parity
B. Striping with mirroring
C. Mirroring
D. Striping

Answer: D

NEW QUESTION 440
Which of the following RAID levels provides the HIGHEST fault tolerance possible?

A. RAID 0
B. RAID 5
C. RAID 6
D. RAID 10

Answer: D

NEW QUESTION 442
Which of the following memory technologies has the HIGHEST cost to implement?

A. ECC
B. RAID
C. Pairing
D. Registered

Answer: B

NEW QUESTION 445
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

Answer: A

NEW QUESTION 447
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 occur

Answer: D

NEW QUESTION 449
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

Answer: AB

NEW QUESTION 454
Which of the following expansion slots is 64-bit?

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

Answer: D

NEW QUESTION 455
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

Answer: C

NEW QUESTION 458
Which of the following media types is the MOST durable in harsh environments?

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

Answer: D

NEW QUESTION 459
Which of the following settings is the jumper set to when installing a DVD-RW as the second device on an IDE cable?

A. ID0
B. ID2
C. Cable select
D. Master

Answer: C

NEW QUESTION 461
A user reports they cannot access the network share folder, the users workstation is configured to use automatic IP. When the administrator checks the IP address the response returns as 169.254.0.5. Which of the following should the administrator verify?

A. That there are no DHCP relay servers
B. That the user account on Active Directory is not locked
C. That the network card driver is not installed incorrectly
D. The network connection is functioning

Answer: D

NEW QUESTION 466
Which of the following types of DNS records enables support for email?

A. A
B. MX
C. PTR
D. AAAA

Answer: B

NEW QUESTION 471
Which of the following protocols is responsible for the resolution of IP addresses to MAC addresses?

A. DHCP
B. ARP
C. DNS
D. RARP

Answer: B

NEW QUESTION 476
Which of the following RAID levels supports fault tolerance by writing parity to only one drive in the array?

A. RAID 3
B. RAID 5
C. RAID 6
D. RAID 10

Answer: A

NEW QUESTION 479
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

Answer: D

NEW QUESTION 481
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

Answer: C

NEW QUESTION 482
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 respondin

Answer: B

NEW QUESTION 485
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

Answer: C

NEW QUESTION 490
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

Answer: B

NEW QUESTION 493
Which of the following concepts is described as multiple logical subnets traversing the same physical network?

A. DHCP
B. VLANs
C. DMZ
D. VPNs

Answer: B

NEW QUESTION 498
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

Answer: D

NEW QUESTION 502
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 serve

Answer: D

NEW QUESTION 506
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 serve

Answer: C

NEW QUESTION 509
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

Answer: B

NEW QUESTION 512
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.

Answer: C

NEW QUESTION 515
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

Answer: D

NEW QUESTION 517
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

Answer: D

NEW QUESTION 521
A server has a single, half height, PCI-X 3.3v slot available. Which of the following cards can fit in this slot? (Select THREE).

A. Half Height, Universally Keyed PCI card
B. Full Height, 3.3v PCI-X card
C. Half Height, x16 PCI Express Card
D. Half Height, 3.3v PCI card
E. Half Height, Universally Keyed PCI-X card
F. Full Height, Universally Keyed PCI card
G. Half Height, x8 PCI Express Card

Answer: ADE

NEW QUESTION 524
While troubleshooting a video problem on an application server, the system administrator has determined that the video firmware should be updated. Which of the following sources should be used to locate an appropriate update for this hardware? (Select TWO).

A. Third-party manufacturer
B. Video chipset manufacturer
C. Server manufacturer
D. Operating system manufacturer
E. Shareware file sharing site

Answer: BC

NEW QUESTION 526
A user is reporting that access to a file server is much slower than it has been. The system administrator completes a test of the server using a system monitoring tool and compares it to the previously taken baseline. The comparison shows that there are no significant changes in the use of system resources. Which of the following actions should be taken to resolve this users problem?

A. Add additional RAM to the users PC
B. Troubleshoot the users PC
C. Add additional RAM to the server
D. Add additional hard drive space to the server

Answer: B

NEW QUESTION 528
An administrator is planning an upgrade of a major software package on an application server.
The software has been tested successfully in a test environment and it is ready to go into production. Which of the following steps should the administrator take next?

A. Identify necessary operating system updates
B. Implement the change
C. Document the change
D. Schedule system down time

Answer: D

NEW QUESTION 531
In order to utilize most server management software, an administrator will have to install which of the following?

A. SNMP
B. SMTP
C. IPv6
D. UDP

Answer: A

NEW QUESTION 534
A server has 500GB of data that must be backed up nightly. The administrator has upgraded the old LTO2 drive to an LTO3, but the data still will not fit on a single tape. Which of the following additional steps should the administrator perform to accommodate the data? (Select TWO).

A. Enable compression on the new drive
B. Reformat all tapes
C. Delete unnecessary system files
D. Purchase LTO3 tapes for use in the new drive
E. Purchase new backup software

Answer: AD

NEW QUESTION 536
Which of the following provides the BEST security and accountability for a Data Center?

A. Entry logging
B. Combination locks
C. Card keys
D. Dead bolts

Answer: C

NEW QUESTION 538
Which of the following cable types can be used to decrease susceptibility to electronic eavesdropping?

A. Fiber optic
B. Fast Ethernet
C. Coaxial
D. Thicknet

Answer: A

NEW QUESTION 540
Which of the following backup types will reset the archive bit? (Select TWO).

A. Full
B. Compressed
C. Copy
D. Differential
E. Incremental

Answer: AE

NEW QUESTION 543
Which of the following backup methods should be used nightly to ensure backups capture all necessary data in the LEAST amount of time?

A. Daily
B. Incremental
C. Normal
D. Differential

Answer: B

NEW QUESTION 544
An administrator is upgrading the backup server from a single tape drive to a SCSI tape library. The library has been unpackaged, mounted, and the library drivers installed. Which of the following items should the administrator have to connect the device to the backup server?

A. SCSI cable
B. SCSI interface adapter on the tape library
C. SCSI termination card on the server
D. iSCSI cable

Answer: A

NEW QUESTION 549
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 por

Answer: AD

NEW QUESTION 550
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 forma
B. Load the tape.
C. Install the DLT IV driver on the LTO3 driv
D. Load the tape.
E. Load the DLT IV tape into the LTO3 drive.
F. Replace the LTO3 drive with a DLT IV tape driv
G. Load the tap

Answer: D

NEW QUESTION 552
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 offic

Answer: B

NEW QUESTION 555
After installing a second processor and corresponding heatsink into a server, an administrator notices that the new processor is not showing up during POST. Which of the following could be the cause of this issue?

A. The power supply is not sufficient to power the server.
B. The voltage regulator module (VRM) was not installed.
C. The IRQ setting was not set.
D. The DMA setting was not se

Answer: B

NEW QUESTION 560
Which of the following defines memory interleaving?

A. The distribution of data written across all the memory DIMMs and the L1 cache
B. The distribution of data written across all the memory DIMMs in one bank
C. The distribution of data written across all the memory DIMMs and the processor
D. The distribution of data written across all the memory DIMMs and the L2 cache

Answer: B

NEW QUESTION 565
A technician wants to compare a new servers performance over a period of time. Which of the following should the technician do FIRST?

A. Monitor processor performance logs
B. Constantly check the task manager
C. Use performance server logs
D. Establish a baseline for the server

Answer: D

NEW QUESTION 570
An administrator confirmed that the company's public website keeps presenting a certificate warning asking whether this site should be trusted when accessing it over HTTPS. Which of the following is the MOST likely cause for this issue?

A. Private key is missing from the certificate.
B. Public key is missing from the certificate.
C. SSL certificate is not trusted by the intermediate CA.
D. SSL certificate is not issued by a trusted root C

Answer: D

NEW QUESTION 572
Which of the following multifactor authentication methods does the smart card satisfy?

A. Something you have
B. Something you know
C. Something you are
D. Something you look like

Answer: A

NEW QUESTION 574
An administrator needs to build a new virtualization host. The hypervisor should be able to directly access the server hardware and allow the host to provide maximum performance. Which of the following types of hypervisors should the administrator install to BEST meet these goals?

A. Install a Type 1 hypervisor.
B. Install a Type 2 hypervisor.
C. Install a 32-bit hypervisor.
D. Install a hybrid hyperviso

Answer: A

NEW QUESTION 575
A server is installed in a location that is prone to power failures. While the server is connected to a UPS, the systems administrator is still concerned about ensuring the integrity of the data being written to the RAID array. Which of the following is the systems administrator MOST likely to do?

A. Install additional memory on the RAID controller.
B. Install redundant RAID controllers.
C. Install battery-backed cache on the RAID controller.
D. Install updated firmware on the RAID controlle

Answer: C

NEW QUESTION 580
An administrator is configuring a server for remote access. The administrator wants to be able to power on a server from a remote location. Which of the following needs to be configured on the server to accomplish this task?

A. Configure ILO/iDRAC on the server.
B. Configure VPN access on the server.
C. Configure the serial connection.
D. Configure the boot sequenc

Answer: A

NEW QUESTION 584
An administrator has been given a CIDR/22 IP address block and needs to assign addresses to a multiple of virtual workstations. Which of the following servers will MOST likely perform this task?

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

Answer: B

NEW QUESTION 587
An administrator is attempting to connect a laptop directly to a server's 100Mbps management NIC. Which of the following cables should the administrator use ?

A. Rollover
B. Straight through Cat 5
C. Straight through Cat 5e
D. Crossover

Answer: D

NEW QUESTION 591
Users are trying to access the company time card website. They cannot access it by URL, but they can access it by IP address. Which of the following protocols is MOST likely causing this issue?

A. DNS
B. DHCP
C. HTTPS
D. SFTP

Answer: A

NEW QUESTION 595
An administrator notices that several servers have become noticeably slower. Logs show that an optional update was applied to these same servers. A BEST practice before running updates is:

A. to run a performance baseline
B. to update the BIOS firmware
C. to have a complete backup of the server
D. to restart the servers

Answer: A

NEW QUESTION 598
A server has a file share for each department. An auditor has discovered that all users have access to all of the departmental shared folders. Which of the following is the BEST solution to ensure users have access to the shared folders of only their department?

A. Create security groups, add the users to the security groups according to their departments, and grant the security groups access to the file shares according to each department.
B. Delete the shared folders and create new shared folders, and grant the users access to the shared folders according to their departments.
C. Remove everyone from the shared folders, create a security group for each department, add the users to the security groups, and grant each security group

access to its own shared folders.
D. Remove everyone from the shared folders, grant full access to the IT administrators, and instruct the users to ask managers permission to be re-added to the shared folders according to their department.

Answer: C

NEW QUESTION 600
An administrator has been asked to put together a JBOD. Which of the following interfaces supports redundant controller? (Choose two.)

A. DVD
B. SAS
C. SATA
D. SSD
E. USB

Answer: BC

NEW QUESTION 601
During a power outage, the battery on the server motherboard is used to:

A. keep the NIC information
B. power the server in case main power is disconnected
C. power the RAM
D. keep the CMOS information

Answer: D

NEW QUESTION 602
A company implements a cold site for disaster recovery purposes due to a risk of hurricanes at its headquarters location. Which of the following BEST describes why the company chose to use a cold site?

A. Cold sites have fewer hurricanes than warm or hot sites.
B. A hot or warm site would have a higher MTTR than a cold site
C. Cold sites are the easiest to implement in the event of a disaster
D. A hot or warm site would have higher setup and ongoing costs

Answer: D

NEW QUESTION 605
A systems administrator wishes to improve security in a datacenter. The administrator wants to be alerted whenever a hard drive is removed from the server room. Which of the following security measures would BEST accomplish this?

A. RFID chips
B. Security cameras
C. Server and cabinet locks
D. Mantrap
E. Proximity reader

Answer: A

NEW QUESTION 607
A user reports that email does not work. Which of the following ordered steps should the administrator take to address the issue according to the troubleshooting theory?

A. Reboot the email server, document the findings, collect additional information about the issue, and then determine if the issue affects one or multiple users.
B. Document the findings, determine if the issue affects one or multiple users, collect additional information about the issue, and then reboot the email server.
C. Collect additional information about the issue, determine if the issue affects one or multiple users, reboot the email server, and then document the findings.
D. Collect additional information about the issue, document the findings, determine if the issue affects one or multiple users, and then reboot the email server.

Answer: C

NEW QUESTION 611
A systems administrator is setting up a new SAN. Which of the following protocols should be used to access and manage the system?

A. WWN
B. NTP
C. DNS
D. SSH

Answer: D

NEW QUESTION 614
A server with a large amount of storage but not necessarily a very fast CPU would be BEST suited for which of the following applications?

A. DNS server

B. File server
C. DHCP server
D. Proxy server

Answer: B

NEW QUESTION 618
A network technician is replacing a failed drive in a RAID 5 array. Over time, access to the volumes in the array has slowed down. The technician wants to increase the speed of the RAID array and
chooses to replace the 10000rpm SAS drive with a low-latency SSD drive. Which of the following is the problem with this solution?

A. SSD drives cannot be used in RAID arrays
B. Performance will not be increased
C. SAS drives are faster due to their high spindle speed
D. All the drives in the RAID array must be replaced simultaneously

Answer: D

NEW QUESTION 621
An administrator receives a call from a user reporting that one of the application servers is not accessible by host name but is accessible via an IP address. Which of the following is the MOST likely issue?

A. The DNS reverse lookup zone is misconfigured.
B. The DNS MX record type is misconfigured.
C. The DNS resource record is missing.
D. The DNS forward lookup zone is missin

Answer: C

NEW QUESTION 623
A systems administrator backs up company data to the public cloud as part of a disaster recovery plan. Which of the following BEST describes this replication method?

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

Answer: C

NEW QUESTION 624
An office experienced a long power outage that will require the servers to be powered on manually by a technician once a power is restored. Based on server roles, which of the following servers should be powered on manually by a technician once power is restored. Based on server roles, which of the following servers should be powered on FIRST?

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

Answer: A

NEW QUESTION 625
When a technician is given an iSCSI LUN, the server will be connected to which of the following?
(Choose two.)

A. SAN
B. SATA
C. SAS
D. NAS
E. SSD

Answer: AD

NEW QUESTION 628
An administrator is installing a new OS on a brand new server. The administrator cannot bring a monitor or keyboard into the datacenter. Which of the following is the administrator MOST likely to use to configure the OS?

A. Integrated lights out manager
B. Remote desktop protocol
C. Virtual network computing
D. Keyboard – video – mouse

Answer: B

NEW QUESTION 632

Which of the following permissions would enable users to modify files or directories on a server?

A. Access
B. Execute
C. Read
D. Write

Answer: D

NEW QUESTION 637

A security administrator is investigating strange network behavior on a single VLAN that is used only by vendors. Which of the following tools would BEST allow the administrator to look at network traffic and investigate specific packets?

A. Port scanner
B. Cipher
C. Sniffer
D. Checksum

Answer: C

NEW QUESTION 641

A remote datacenter that runs in parallel with a main datacenter, with devices powered on and communication taking place between the two datacenters, is known as which of the following?

A. Hot site
B. Warm site
C. Cold site
D. DR site

Answer: A

NEW QUESTION 643

A Unix server completes POST successfully. The server starts to boot but crashes and halts on a transport error. Which of the following components should a technician check FIRST?

A. Video card
B. Cooling fan
C. Memory module
D. Hard drive

Answer: D

NEW QUESTION 647

A technician needs to create a rule in the firewall to convert the directory server's private IP address to its public IP address. Which of the following should the technician enable to accomplish this?

A. NAT
B. VPN
C. DNS
D. DMZ

Answer: A

NEW QUESTION 650

An 800W power supply running full load at 220VAC (single phase) draws approximately:

A. 0.275A
B. 1.76A
C. 3.64A
D. 6.67A

Answer: C

NEW QUESTION 654

A technician is asked to make recommendations for purchase of new server hardware in a datacenter. Currently the datacenter is extremely limited in power available for new hardware, so the technician wants to recommend processors that utilize the least amount of power possible. Which of the following processor architectures should the technician suggest?

A. ARM
B. x64
C. x86
D. RISC

Answer: A

NEW QUESTION 658

A technician has installed an additional CPU into a server, but now the server is failing to pass POST. After verifying the CPU speed and multiplier, which of the following does the technician need to check for potential causes?

A. ECC
B. CAS
C. Stepping
D. Bus size

Answer: C

NEW QUESTION 663
Which of the following plans describes the process by which an organization manages a major outage?

A. Contingency
B. Site-to-site backup
C. Disaster recovery
D. Business continuity

Answer: D

NEW QUESTION 667
A company hires a third-party vendor to perform a vulnerability scan of the network from outside the network. Which of the following pieces of information will be included in the scan results? (Choose two.)

A. List of open ports
B. List of OS patches to install
C. Date of installed virus definitions
D. List of server BIOS passwords
E. List of firmware versions

Answer: AB

NEW QUESTION 672
Immediately following a BIOS firmware update, a server detects an overheat condition and shuts down after five minutes. Which of the following should the systems administrator do FIRST?

A. Ensure the system fans are running.
B. Disconnect the server's power and restore the backup ROM.
C. Run the hardware manufacturer's onboard diagnosis.
D. Reapply thermal paste to the CPUs and heat sink

Answer: A

NEW QUESTION 675
A server with redundant power supplies connected to two different UPS units fails to gracefully shut down during a power outage. A technician has verified cables and both UPS units are properly connected. Which of the following hardware tools should the technician use to further troubleshoot this issue?

A. Load tester
B. OTDR
C. Loopback plug
D. Crimper

Answer: A

NEW QUESTION 679
An administrator is installing a 2U server from a remote location in a rack with 4U of available rack space. The administrator prepares the rack to accept the server. Which of the following is the MOST likely cause?

A. Not enough physical space
B. Mismatched rail kits
C. Wrong cable management arms
D. Broken rack rails

Answer: B

NEW QUESTION 682
A user notices that when plugging a company-assigned laptop into a network port it is able to get an IP address via DHCP. However, when plugging a personal laptop into the same port, it does not get a valid IP address. Which of the following is the MOST likely cause of this?

A. The company is using 802.1X port security.
B. The personal laptop is using an unsupported operating system.
C. The network cable is only Cat 5e.
D. Port 53 is closed on the personal lapto

Answer: A

NEW QUESTION 684
A systems administrator sees a production server is missing a service pack and installs it during the day without notifying anyone. Later that day, users begin reporting issues accessing an application installed on the server. Upon investigation, it is discovered that the application will not start properly. Adhering to which of the following processes would have BEST helped avoid this outage?

A. Service level agreement
B. Business continuity plan
C. Business impact analysis
D. Change management policies

Answer: D

NEW QUESTION 689
A systems administrator is inspecting a file server setup with a RAID 10 configuration among four 160GB SAS drives. The administrator has replaced all of the drives with 500GB SAS drives. Which of the following storage tools should the administrator use NEXT to effectively administer the change?

A. Disk management tool
B. Disk monitoring tool
C. Disk cloning tool
D. Disk partitioning tool

Answer: A

NEW QUESTION 694
An administrator needs to back up files from a server to the cloud. The administrator must select the most efficient type of backup technology that will update file changes the fastest and utilize the least amount of bandwidth. Which of the following backup technologies should the administrator select?

A. File-level backups
B. Block-level backups
C. Snapshot-level backups
D. Folder-level backups

Answer: B

NEW QUESTION 696
A user is reporting that a large file upload is slower to one particular server compared to other servers on the same network. Which of the following might account for the difference in upload speed?

A. The subnet mask is set incorrectly
B. The server is configured using DHCP instead of a static address
C. The duplex setting is set to half instead of full
D. The server is using private addressing instead of public
E. The default gateway is set incorrectly

Answer: C

NEW QUESTION 698
An administrator has a drive working properly under Linux and moves it to a Windows server. Which of the following should be performed to ensure Windows can read the disk?

A. Format the drive with ext2.
B. Format the drive with ext4.
C. Format the drive with NTFS.
D. Format the drive with UF

Answer: C

NEW QUESTION 701
A technician was assigned new storage for the server from the storage administrator. The technician is unable to see the storage on the server, but the previously assigned storage is visible and working properly. Which of the following should the technician do FIRST in order to see the storage on the server?

A. Perform a rescan of the disk.
B. Install the storage device drivers.
C. Assign a drive letter to the new storage.
D. Format the new storag

Answer: A

NEW QUESTION 704
A technician installed a new 2GB hard drive on a server, but it only shows 1.86GB of unformatted space. Which of the following is a reason for the difference?

A. Manufacturers use base 10 instead of base 2 in advertising disk space.
B. A swap file is added to the drive automatically, reducing available disk space.
C. The disk controller maps out a section of hard drive space for diagnostics.
D. Disk drivers consume space of the hard driv

Answer:

A

NEW QUESTION 705
An administrator has 120V, 150-amp service in the datacenter. Which of the following is the MAXIMUM number of servers with a faceplate rating of 65W that can be racked in the datacenter?

A. 200
B. 225
C. 250
D. 275
E. 300

Answer: D

NEW QUESTION 708
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