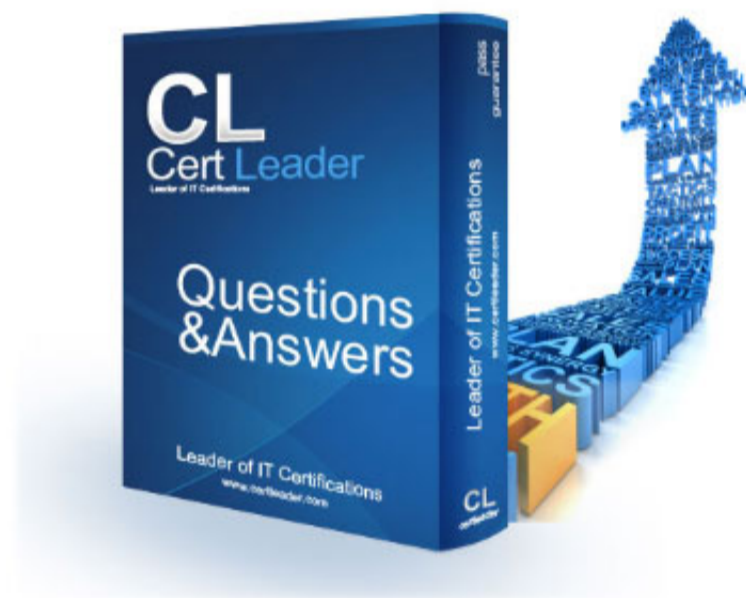# SK0-004 Dumps

CompTIA Server+

https://www.certleader.com/SK0-004-dumps.html

NEW QUESTION 1
Which of the following is the height of 1U of space in a server rack?

A. 1.5 inches (3.8 cm)
B. 1.75 inches (4.4 cm)
C. 2 inches (5.1 cm)
D. 3 inches (7.6 cm)

Answer: B

NEW QUESTION 2
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 3
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 4
An administrator wishes to use KVM remotely to monitor and control a server farm. In order to perform this function:

A. remote control must be disabled on each server.
B. the host must be reachable via the IP address.
C. a serial cable must be available.
D. a monitor must be attached to every serve

Answer: B

NEW QUESTION 5
A system administrator needs to directly control a server that has no network connectivity. Which of the following should be used to accomplish this?

A. SSH
B. KVM
C. RDP
D. iLO/iDRAC

Answer: B

NEW QUESTION 6
When attempting to diagnose service access issues between multiple hosts that coordinate information, which of the following can be used to track dependencies?

A. Dataflow diagrams
B. Architecture diagrams
C. Baseline documentation
D. Service manuals

Answer: A

NEW QUESTION 7
Which of the following is a benefit of utilizing a type 2 hypervisor to manage guests?

A. The administration of the guest OS is significantly less complex.
B. There is reduced resource overhead since there is no OS layer.
C. A type 2 hypervisor offers increased performance over a type 1 hypervisor.
D. There is increased hardware support since there is an OS laye

Answer: D

NEW QUESTION 8
A system administrator has decided to create several VMs for a company. In which of the following locations would each of the VMs reside?

A. Host
B. VNC
C. Guest
D. VPN

Answer: A

NEW QUESTION 9
A technician is tasked to build a server requiring the fastest possible performance. Which of the following would achieve this requirement?

A. 10,000 RPM SATA
B. 15,000 RPM SAS
C. SSD
D. USB

Answer: C

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 10
An emergency power off accidentally occurs in a datacenter during a fire alarm test. On recovery, the server administrator notices that an external storage array is performing consistency checks on all the volumes configured in the array. Which of the following components of the storage array has MOST likely failed or faulted?

A. Redundant controller
B. Cold spare drive
C. Battery backed cache
D. Cache memory modules

Answer: C

NEW QUESTION 12
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 13
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 17
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 18
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 22
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 dow

Answer: B

NEW QUESTION 26
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 28
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

Answer: A

NEW QUESTION 31
A technician is troubleshooting an issue with a new server, which is unable to download OS patches from the Internet. The technician reviews the following configuration:
Ethernet Adapter Local Area Connection: Connection-specific DNS Suffix . : compti a.org
Link-local IPv6 Address . . . . : fe80::c95:3f59:1a01:c050%11 IPv4 Address . . . . : 192.168.10.20
Subnet Mask . . . . : 255.255.255.128
Default Gateway . . . . : 192.168.10.129
Which of the following is the reason that the server is unable to connect to the Internet?

A. Incorrect default gateway
B. Invalid IPv6 address
C. Wrong subnet mask
D. Misconfigured DNS suffix

Answer: A

NEW QUESTION 36
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 38
Users report that an application is unable to connect to a server on the same network segment. Which of the following is the MOST likely reason?

A. The external firewall is preventing access to the server.

B. The DMZ is incorrectly configured.
C. The syslog server detects malware on the server.
D. The application is using a port that is closed on the serve

Answer: D

NEW QUESTION 39
A technician is replacing a faulty NIC in a server. According to best practices, which of the following should be used to configure the IP address on the server?

A. DNS reservation
B. DHCP IP address
C. DHCP reservation
D. Static IP address

Answer: D

NEW QUESTION 40
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 42
Swap space or page file is reserved on the:

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

Answer: C

NEW QUESTION 45
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 46
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 51
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

Answer: C

NEW QUESTION 55
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 57
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 61
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 65
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 67
A server is giving a fault code indicating that a RAM chip is producing errors and should be replaced. According to best practices, which of the following is the proper sequence of steps to replace the faulty module?

A. Attach ESD protection, open server case, replace module, close server case, baseline configuration
B. Open server case, baseline configuration, attach ESD protection, replace module, close server case
C. Attach ESD protection, baseline configuration, open server case, replace module, close server case
D. Open server case, replace module, attach ESD protection, close server case, baseline configuration

Answer: A

NEW QUESTION 71
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

Answer: C

NEW QUESTION 74
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

Answer: C

NEW QUESTION 76
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 81
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

Answer: C

NEW QUESTION 82
In authentication, which of the following represents something you have?

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

Answer: C

NEW QUESTION 84
An administrator needs to create two websites. One website must only be used by internal users and the other website must be a corporate website accessible externally by customers. Which of the following website types is needed?

A. Extranet for users and intranet for customers
B. Internet for users and extranet for customers
C. Intranet for users and extranet for customers
D. Extranet for users and extranet for customers

Answer: C

NEW QUESTION 87
A system administrator has a database server that crashes at random times. No changes have been made to either the server's software or hardware. Which of the following is the FIRST step the administrator should take towards resolving this issue?

A. Establish an action plan.
B. Perform a root cause analysis.
C. Document the findings.
D. Identify the problem and scop

Answer: D

NEW QUESTION 90
A system administrator has just performed a backup. Which of the following should the administrator perform to easily identify the backup tape?

A. Label the tape
B. Mount the tape in the drive
C. Place the tape in the rack
D. Update the site log

Answer: A

NEW QUESTION 91
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 94
Which of the following describes an alternate site where only the infrastructure (building, power, cooling) has been established?

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

Answer: D

NEW QUESTION 99
A technician is tasked by an administrator to patch a virtual machine. The technician needs to ensure that in case of failure, recovery of the virtual machine will be possible. Which of the following recovery principles should the technician employ?

A. Incremental
B. Snapshot
C. Bare metal
D. Selective

Answer: B

NEW QUESTION 101
Which of the following is the number of 7-inch high servers that can be installed in a 42U rack?

A. 4
B. 5
C. 10
D. 12

Answer: C

NEW QUESTION 103
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

Answer: C

NEW QUESTION 107
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

Answer: C

NEW QUESTION 108
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 colo

Answer: B

NEW QUESTION 109
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

Answer: D

NEW QUESTION 111
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 116
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

Answer: A

NEW QUESTION 119
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

Answer: B

NEW QUESTION 120
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 122
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 agreemen

Answer: C

NEW QUESTION 124
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

Answer: E

NEW QUESTION 126
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

Answer: C

NEW QUESTION 131
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.

Answer: D

NEW QUESTION 135
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

Answer: A

NEW QUESTION 138
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 142
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 firmwar

Answer: A

NEW QUESTION 144
Which of the following troubleshooting methods would be performed after resolving an issue?

A. Verify system connectivity
B. Implement the solution
C. Document findings
D. Establish theory

Answer: C

NEW QUESTION 148
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 151
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 152
A technician has connected a previously formatted ext4 eSATA drive to a Linux server. Given the following output:

Disk /dev/sdb: 1000.2 GB, 1000204886016 bytes
255 heads, 63 sectors/track, 382818 cylinders, total 1953525168 sectors Units = sectors of 1 * 512 – 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes I/O size (minimum/optimal): 512 bytes / 512 bytes Disk identifier: 0x0009f31a
Device Boot Start End Blocks Id System
/dev/sdb1 * 20481 953525168 976761560 83 Linux
Which of the following commands should the technician use to make the partition available under
/data/drive0?

A. fdformat -type Linux /dev/sdbl -d /data/drive0
B. ext2 0x0009f31a /data/drive0
C. net use /data/drive0 /dev/sdb
D. mount /dev/sdbl /data/drive0
E. fdisk -l /data/drive0

Answer: D

NEW QUESTION 154
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 questio

Answer: D

NEW QUESTION 159
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 162
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

Answer: A

NEW QUESTION 167
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 172
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 177
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 182
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 185
A technician installs a rack in a datacenter. The rack has two power strips installed in it. To ensure maximum power redundancy for the rack, how should each PDU power strip be connected?

A. Each to the same floor PDU
B. Each to different floor PDUs
C. Each to the same datacenter UPS
D. Each to a different datacenter UPS

Answer: D

NEW QUESTION 188
A secondary office location containing servers already configured with all necessary software and files to minimize downtime is considered to be which of the following types of disaster recovery sites?

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

Answer: A

NEW QUESTION 193
When setting up a new Linux server that will require files larger than 2 TB in size, which of the following file system types should be used?

A. NTFS
B. ext2
C. ext4
D. FAT32

Answer: C

NEW QUESTION 197
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 198
A technician is setting up a server with a RAID 1 array for the boot partition and a RAID 5 array for the data partition. Which of the following is the MINIMUM number of disks needed to implement these partitions?

A. 4
B. 5
C. 6
D. 7

Answer: B

NEW QUESTION 203
A company executive asks the network administrator to help to reduce power consumption in a datacenter. The administrator suggests changing the servers running on 110V to 220V. Which of the following will occur as a result of this action?

A. The room temperature will be reduced
B. Amperage consumed by each server will be reduced by 50%

C. Twice as much heat will be generated in the server room
D. Power redundancy will be added to the server by providing two 110V power sources

Answer: A

NEW QUESTION 205
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 208
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 210
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

Answer: A

NEW QUESTION 212
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

Answer: C

NEW QUESTION 217
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 221
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 224
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 228
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 231
Payroll checks are not printing. A job scheduled to run \\Payroll_File_Server\Checks\Print.cmd is failing with an "Access Denied" error message. Which of the following is the MOST likely cause of
this issue?

A. The payroll application server is offline
B. The checks share does not exist
C. The file permissions on Print.cmd were changed
D. The Print.cmd file content was modified

Answer: C

NEW QUESTION 233
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 235
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 240
A technician is implementing a RAID 10 array on a server. Which of the following is the MINIMUM number of disks needed for this array?

A. Two
B. Three
C. Four
D. Five

Answer: C

NEW QUESTION 243
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 245
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 246
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

Answer: D

NEW QUESTION 250
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

Answer: A

NEW QUESTION 255
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 processo

Answer: DE

NEW QUESTION 256
Which of the following connects the L2 cache to the processor?

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

Answer: C

NEW QUESTION 259
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 263
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 265

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

Answer: A

NEW QUESTION 266
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 271
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 275
Which of the following assists with airflow in a server? (Select TWO).

A. Riser cards
B. Water cooling
C. Shroud
D. Baffle
E. Heat sinks

Answer: CD

NEW QUESTION 276
Which of the following BEST describes a benefit of RAID 0?

A. High fault tolerance
B. Ease of failure recovery
C. High performance
D. No configuration

Answer: C

NEW QUESTION 280
Which of the following BEST describes RAID 5?

A. Fault tolerance and failure recovery
B. Fault tolerance and zero configuration
C. Zero configuration and high performance
D. High performance and fault tolerance

Answer: D

NEW QUESTION 282
Which of the following is BEST described as a storage system that can be connected to multiple servers through a fiber channel?

A. JBOD
B. SAN
C. DAS
D. NAS

Answer: B

NEW QUESTION 283
Which of the following is a storage system that can be connected to multiple servers through an iSCSI connection?

A. JBOD
B. DAS
C. NAS
D. SAN

Answer: D

NEW QUESTION 287
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

Answer: AD

NEW QUESTION 289
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 293
Which of the following components found in a legacy server has a 16-bit bus?

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

Answer: C

NEW QUESTION 295
Which of the following expansion slots would be BEST for a fiber network card?

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

Answer: C

NEW QUESTION 297
Which of the following expansion slots is 64-bit?

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

Answer: D

NEW QUESTION 301
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 304
After applying a new driver to a NIC, the server reboots and fails to restart. Which of the following is the BEST way to resolve the problem?

A. Boot using recovery console and restore the previous driver.
B. Boot the server, press F8 and access last known good configuration.
C. Restore the server using last backup tape.
D. Boot the server with ASR optio

Answer: B

NEW QUESTION 308
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 312
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 siz

Answer: C

NEW QUESTION 315
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 318
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

Answer: D

NEW QUESTION 319
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?

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 connecte

Answer: D

NEW QUESTION 324
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 326
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

Answer: D

NEW QUESTION 328
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

Answer: B

NEW QUESTION 333
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 335
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 336
A company has a corporate office building that is used by 50 to 100 unique visitors each day for meetings. Users routinely report that they are unable to access the network with their laptops when visiting this location.
The help desk reports that these users are not getting IP addresses automatically assigned.
After an investigation, the server administrator has determined that the DHCP service is functioning, but a minimal number of addresses are available for lease.
The building is on its own class C subnet and has 250 addresses in the scope. Which of the following represents a long term solution tothe problem?

A. Manually delete address leases from DHCP.
B. Create reservations in DHCP for users frequently visiting this location.
C. Assign static IP addresses to visiting laptops.
D. Reduce the lease duration in the DHCP scope options to one da

Answer: D

NEW QUESTION 341
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 345
For client computers to access the Internet when using DHCP, the DHCP server must have configurations for at LEAST which of the following? (Select TWO).

A. Gateway address
B. SNA server
C. Mail server
D. Web server
E. Subnet mask

Answer: AE

NEW QUESTION 349
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 351
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 356
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 361
When cabling a rack, which of the following is BEST practice?

A. Use rack specific cabling hardware
B. Let cables hang loosely behind the servers
C. Channel all power cables down the sides, and all network cables down the center
D. Keep cables close to the front of the rack for better access

Answer: A

NEW QUESTION 362
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 365
While working in the server room a technician notices that water is forming on the walls of the server room. Which of the following is the BEST course of action to correct the problem?

A. Contact facilities staff to adjust the humidity levels.
B. Leave the temperature the same, after time it will evaporate on its own.
C. Lower the temperature, the cold air will help the water evaporate.
D. Contact facilities staff to raise the temperature of the roo

Answer: A

NEW QUESTION 370
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 373
An IT manager needs to purchase client access licenses for servers. The network has ten workstations and 100 on-site users. Which of the following licensing

models should the systems administrator recommend ?

A. per user licensing
B. per CPU licensing
C. per operating system licensing
D. per device licensing

Answer: A

NEW QUESTION 377
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 381
In terms of security, which of the following comprises « something you have » ?

A. ID card
B. user ID
C. Password
D. Retina scan

Answer: A

NEW QUESTION 386
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 390
A systems administrator has created a guest VM on a hypervisor host. The guest VM would need to have a dynamic IP address assignment on the same subnet as the hypervisor. Which of the following network connectivity types should the administrator configure?

A. Bridging
B. NAT
C. VLAN
D. Spoofing

Answer: A

NEW QUESTION 391
An administrator wants to use a PowerShell cmdlet to find the running services on a Windows server. Which of the following are PowerShell cmdlet commands that will accomplish this task? (Choose two.)

A. get-process
B. get-service
C. netstat
D. get-wmiobject –class win32_service
E. ipconfig

Answer: AB

NEW QUESTION 393
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 397

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 402
After installing the operating system on a new server, which of the following best practices should be completed before joining the server to the domain? (Choose two.)

A. Create a configuration and performance baseline
B. Give the server a non-standard hostname so it is not recognized
C. Install all roles and applications that may be needed
D. Ensure all latest security patches are installed
E. Detach network cables and ensure power is on redundant PDUs

Answer: AD

NEW QUESTION 404
A server administrator is updating the kernel for servers during the middle of the work day. After defining the steps required to perform this scope of work, which of the following would be the NEXT step needed to complete this task?

A. Perform the system updates
B. Determine MTTR
C. Request an impact analysis report
D. Schedule time to perform updates

Answer: D

NEW QUESTION 409
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 413
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 417
An administrator is backing up a database server. The administrator must select a backup method that does not change the archive bit. Which of the following backup techniques should be used to
meet these requirements?

A. Full
B. Incremental
C. Differential
D. Selective

Answer: C

NEW QUESTION 419
A server is rebooted after maintenance. Upon reboot, the video display reports it cannot find the boot loader. Which of the following should the administrator check FIRST?

A. The server has a power surge
B. The BIOS boot sequence is incorrect
C. The server is overheating
D. The boot loader is incompatible with the server

Answer: B

NEW QUESTION 422
The BEST way for a technician to configure a server rack for full power redundancy is:

A. a single PDU attached to a single UPS
B. multiple PDUs each attached to a single UPS
C. multiple PDUs each attached to separate UPSs
D. multiple PDUs attached to a high availability UPS

Answer: D

NEW QUESTION 424
A systems administrator has been tasked to set up a new server to assign IP addresses on the network. The network administrator logs into the server, but cannot find the management tool to
create a scope. Which of the following MOST likely happened to cause this?

A. The systems administrator did not configure the routing and remote access server role.
B. The systems administrator configured the wrong NTP server address.
C. The systems administrator forgot to unblock port 67/68 in the firewall.
D. The systems administrator did not install the DHCP server rol

Answer: D

NEW QUESTION 429
An administrator is configuring a RAID array on a new server with parity and striping. Which of the following is the MINIMUM number of disks needed to implement this array?

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

Answer: C

NEW QUESTION 434
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 439
An administrator is determining hardware requirements for a new, virtualized test environment. The vendor requires 8Gb of RAM for each host and 2Gb of RAM for each guest. If the server has a total of 32Gb of RAM, which of the following describes how many hosts and guests the server can support?

A. 4 hosts and 0 guests
B. 2 hosts and 8 guests
C. 1 host and 12 guests
D. 1 host and 16 guests

Answer: C

NEW QUESTION 444
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 445
A technician receives a report that two users are having difficulty retaining connections to a server hosting a company application. On testing, the technician sees the following:
Initial connections to the server are sporadic.
If connected, the client is dropped within 30 seconds.
Attempting to reconnect is sometimes successful but other times requires multiple attempts. Local testing on the server reveals no problems.
Given these symptoms, which of the following is the MOST likely cause of the problem?

A. Two workstations have been configured with the same IP address.
B. Two separate NICs have the same MAC address.
C. There are multiple DNS entries for the same host.

D. Routing has been configured incorrectly for the client

Answer: A

NEW QUESTION 448
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