

SK0-004 Dumps

CompTIA Server+

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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

A technician is asked to install an additional NIC in a server. Which of the following hardware considerations would be BEST for the technician to make?

- A. Power consumption
- B. Bus type and speed
- C. CPU stepping
- D. CAS latency

Answer: B

NEW QUESTION 3

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 4

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 5

A certain rack mounted blade server chassis needs 3-phase power for operation. There is currently only single-phase power coming into the room. The administrator needs to:

- A. call an electrician to wire the single-phase power into 3-phase power.
- B. use a single-phase UPS to power the 3-phase server.
- C. call an electrician to see if 3-phase power can be brought into the room.
- D. use an adapter to configure the server to use single-phase power

Answer: C

NEW QUESTION 6

An administrator is tasked with deploying a server in a telephone switching station. Which of the following voltages will MOST likely be available at the facility?

- A. -48VDC
- B. 120VDC
- C. 220VAC
- D. 440VAC

Answer: A

NEW QUESTION 7

As a best practice, which of the following should be determined prior to provisioning a server? (Select TWO).

- A. User accounts
- B. Group accounts
- C. Hostname
- D. MAC address
- E. Domain name
- F. IP address

Answer: CF

NEW QUESTION 8

A system administrator needs to install an operating system onto a new server in a remote location using PXE. Which of the following methods will BEST accomplish this?

- A. SSH
- B. RDP
- C. TFTP
- D. HTTP

Answer: C

NEW QUESTION 9

A technician is installing an operating system on a server using source files on a USB storage device. The technician is unable to boot to the USB device using different USB ports on the server. Which of the following should the technician do to ensure that the operating system can be installed from the USB storage?

- A. Copy the source files to a CD
- B. Install the latest USB device drivers
- C. Reconfigure the boot order
- D. Update the BIOS firmware

Answer: C

NEW QUESTION 10

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 10

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 11

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 16

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 20

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 24

A technician is tasked with building a test server. Which of the following hard drive types will provide the highest performance?

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

Answer: B

NEW QUESTION 28

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 30

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 33

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 37

A server administrator wants to isolate a SAN hosted LUN to be visible to only a single host. Which of the following methodologies would be used to present the LUN to only that host?

- A. LUN masking
- B. LUN ID assignment
- C. Port mapping
- D. Port zoning

Answer: A

NEW QUESTION 41

A server administrator is researching the purchase of SSD for a server. The administrator receives a report from the datacenter technician detailing current storage requirements and future growth planning estimates as follows:

ServerA: Current-15TB-Future-50% growth ServerB: Current-20TB-Future-80% growth

Based on this report, which of the following represents the MINIMUM storage requirements needed?

- A. ServerA-18TB, ServerB-24TB
- B. ServerA-22TB, ServerB-22TB
- C. ServerA-23TB, ServerB-36TB
- D. ServerA-25TB, ServerB-40TB

Answer: C

NEW QUESTION 44

Which of the following provides two-factor authentication?

- A. Bank card and PIN.
- B. Username and password.
- C. Fingerprint and iris scan.

D. Key and proximity badg

Answer: A

NEW QUESTION 47

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 51

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 55

Network devices between two firewalls are included in which of the following?

- A. VPN
- B. SAN
- C. VLAN
- D. DMZ

Answer: D

NEW QUESTION 58

A system administrator is tasked with dividing the network so that each department is separate from the other. Which of the following should be used to accomplish this task?

- A. VLAN
- B. VPN
- C. VNC
- D. VM

Answer: A

NEW QUESTION 63

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 67

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 70

A server unexpectedly shut down as a result of overheating. An alert was sent to the administrator's email address but the administrator was away from the workstation when the alert arrived. Which of the following would have been a more effective method for sending the alert notification?

- A. Broadcast messages
- B. SMS messages
- C. Telephone calls
- D. Console notifications

Answer: B

NEW QUESTION 74

A server technician in a datacenter configures a daemon to monitor the battery health in a UPS. Over a two day time period, the daemon generates a warning message. Which of the following represents the FIRST action that should be taken by the server technician?

- A. Perform a test on the UPS batteries
- B. Immediately replace the UPS batteries
- C. Move the servers connected to the UPS to another existing UPS
- D. Immediately replace the UPS with a new UPS

Answer: A

NEW QUESTION 77

A technician has finished installing the operating system on a new server and needs to provide IP addressing information. The server will be connected to the DMZ network. Devices on the network use a default gateway address of 192.168.55.1. Which of the following is a valid IP address for a server in the DMZ network?

- A. IP: 192.168.55.1, NETMASK 255.255.255.0
- B. IP: 192.168.55.5, NETMASK 255.255.255.128
- C. IP: 192.168.55.155, NETMASK 255.255.255.128
- D. IP: 192.168.55.255, NETMASK 255.255.255.0

Answer: B

NEW QUESTION 78

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

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

Answer: D

NEW QUESTION 80

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 81

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 86

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 90

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

- A. Cold site
- B. Hot site

- C. Warm site
- D. Replication site

Answer: A

NEW QUESTION 92

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

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

Answer: B

NEW QUESTION 94

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 99

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

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

Answer: A

NEW QUESTION 102

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

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

Answer: B

NEW QUESTION 106

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

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

Answer: A

NEW QUESTION 108

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 112

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 115

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

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

Answer: B

NEW QUESTION 119

A technician is troubleshooting a Linux server and wants to inspect the free disk space on the /dev/sda partition of the system. Which of the following command line tools should the administrator run to view available disk space on the partition?

- A. dd
- B. du
- C. ls
- D. df

Answer: D

NEW QUESTION 124

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 126

Users on a network segment report that they are unable to connect to a newly installed file server. The file server IP address settings are as follows:

IP address: 10.0.10.254

Subnet Mask: 255.255.255.0

Default Gateway: 10.10.10.1

Which of the following changes should the server administrator make?

- A. Change the IP address on the server to 10.10.0.254.
- B. Change the IP address on the server to 10.10.10.254.
- C. Change the default gateway on the server to 10.10.10.254.
- D. Change the subnet mask on the server to 255.255.0.0.

Answer: B

NEW QUESTION 130

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 132

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 136

An administrator is securing a secure web server by disabling ports. After completing this process, clients cannot access the secure web server. The administrator should now go back and verify whether which of the following ports is enabled?

- A. 23
- B. 389
- C. 443
- D. 445

Answer: C

NEW QUESTION 139

A server technician is investigating a potential data breach. It is believed that the breach occurred via telnet access. Which of the following could validate this hypothesis?

- A. Port scanner
- B. Cipher tools
- C. Checksum analyzer
- D. TDR

Answer: A

NEW QUESTION 141

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 144

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 148

A system administrator wants to assure that a server is responsive. Which of the following networking tools should the administrator use to verify network connectivity?

- A. arp
- B. netstat
- C. ipconfig
- D. ping

Answer: D

NEW QUESTION 152

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 time

Answer: D

NEW QUESTION 153

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 155

Which of the following is a requirement for a server to allow guests to be installed on a hypervisor host?

- A. Processors with multiple cores
- B. Processors with available cache
- C. Processors that support virtualization
- D. Processors that support hyperthreading

Answer: C

NEW QUESTION 159

Swap space or page file is reserved on the:

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

Answer: C

NEW QUESTION 162

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

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

Answer: D

NEW QUESTION 165

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

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

Answer: C

NEW QUESTION 169

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

IPv4 Address: 169.254.0.12

Subnet mask: 255.255.0.0

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

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

Answer: AD

NEW QUESTION 174

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 178

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

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

Answer: A

NEW QUESTION 183

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

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

Answer: A

NEW QUESTION 186

A technician is experiencing overheating on a rack mounted server. After powering off and removing the cover of the server, a large amount of dust is noticed on one of the fans. After cleaning out the dust and powering the server back on, the server is still overheating. Which of the following would BEST explain this issue?

- A. The power supply has failed.
- B. The server is using excessive power.
- C. The hard drives are running too hot.
- D. Some of the cooling fans are defectiv

Answer: D

NEW QUESTION 188

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 192

A server technician has been tasked with purchasing cables and connectors for a new server room. The server room consists of one switch, two servers, and one IP telephone. Which of the following types of cables and connectors should the technician purchase?

- A. Coaxial cable and BNC connectors
- B. Straight through Ethernet cable and RJ-45 connectors
- C. Silver satin and RJ-11 connectors
- D. Crossover Ethernet cable and RJ-11 connectors

Answer: B

NEW QUESTION 197

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 199

A system administrator is concerned with employees connecting removable storage to the server to copy sensitive dat

- A. Which of the following solutions addresses this concern?
- B. Disable write access
- C. Disable WOL
- D. Disable TPM
- E. Disable physical ports

Answer: D

NEW QUESTION 200

Which of the following is the MOST energy efficient way of powering equipment within a datacenter with a large UPS battery bank?

- A. 48V DC
- B. 120V single-phase
- C. 240VAC 3-phase
- D. 480V 3-phase

Answer: A

NEW QUESTION 203

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 204

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

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

Answer: B

NEW QUESTION 207

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 208

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

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

Answer: B

NEW QUESTION 211

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

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

Answer: A

NEW QUESTION 213

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 215

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 216

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 219

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 223

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

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

Answer: B

NEW QUESTION 224

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

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

Answer: C

NEW QUESTION 227

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

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

Answer: A

NEW QUESTION 230

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 231

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 234

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

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

Answer: A

NEW QUESTION 235

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 237

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

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

Answer: A

NEW QUESTION 239

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

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

Answer: C

NEW QUESTION 244

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

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

Answer: A

NEW QUESTION 246

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 251

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 256

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

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

Answer: A

NEW QUESTION 261

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 263

An administrator decides to implement access control techniques to secure a datacenter. Which of the following would be the STRONGEST technique for the administrator to use?

- A. Multifactor authentication
- B. RFID chip
- C. Cipher locks
- D. Bollards

Answer: A

NEW QUESTION 265

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 270

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 271

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 272

An administrator was tasked to enforce disk quotas on the Windows file server. The administrator allocated 1GB of space to each user. A month later, the users were still able to save beyond 1GB. Which of the following check boxes should have been selected?

- A. Enable compression
- B. Prohibit read/write if limit is reached
- C. Deny access if limit is reached
- D. Log an event if disk space is reached

Answer: C

NEW QUESTION 273

Which of the following graphically depicts the movement of information within a system?

- A. Site survey diagram
- B. Dataflow diagram
- C. Architectural diagram
- D. Network diagram

Answer: B

NEW QUESTION 276

A technician is tasked with creating a test system containing non-critical data.

- A. The technician has limited hardware, but needs maximum performance.
- B. Which of the following RAID levels should the technician use?
- C. 1
- D. 5
- E. 10

Answer: A

NEW QUESTION 279

An older server has performance problems writing files to a RAID array. After checking for failed drives, no problems are found. Which of the following should be checked NEXT?

- A. The cooling system
- B. The cache battery
- C. The hard drive tray
- D. The hard drive cables

Answer: B

NEW QUESTION 282

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 285

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 286

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 291

An administrator would like to determine what port and services are running locally on a server. Which of the following Windows command lines and shell tools should the administrator use? (Select THREE).

- A. get-services
- B. show ports
- C. sc query
- D. netstat
- E. vmstat
- F. show services

Answer: ACD

NEW QUESTION 293

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 295

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 297

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 298

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 301

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 306

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 307

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 312

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 315

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 317

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 322

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 324

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 328

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

- A. Capacity

- B. RPM
- C. IOPS
- D. Seek time and latency
- E. Form factor
- F. Bus width

Answer: CD

NEW QUESTION 331

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

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

Answer: A

NEW QUESTION 334

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

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

Answer: B

NEW QUESTION 337

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

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

Answer: B

NEW QUESTION 339

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 343

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 345

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

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

Answer: AB

NEW QUESTION 349

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 351

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 356

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 359

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

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

Answer: C

NEW QUESTION 361

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

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

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

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

Answer: B

NEW QUESTION 365

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

DHCP WINS DNS HTTP

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

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

Answer: B

NEW QUESTION 367

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 369

Which of the following services provides users with directory services?

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

Answer: B

NEW QUESTION 373

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 377

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

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

Answer: B

NEW QUESTION 381

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

- A. warm site.
- B. hot site.
- C. cold site.
- D. private cloud.
- E. hybrid clou

Answer: B

NEW QUESTION 382

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 384

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 386

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 387

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 392

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 395

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 396

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 399

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 400

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

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

Answer: B

NEW QUESTION 401

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 405

An administrator thinks that a particular network connection is dropping packets. Which of the following tools would the administrator use to BEST identify where the packets are being dropped?

- A. tracer
- B. ping
- C. nslookup
- D. netstat

Answer: A

NEW QUESTION 406

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

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

Answer: B

NEW QUESTION 410

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 414

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

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

Answer: C

NEW QUESTION 416

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 418

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 422

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

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

Answer: B

NEW QUESTION 425

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 426

The Unified Extensible Firmware Interface (UEFI) allows:

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

Answer: A

NEW QUESTION 428

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

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

Answer: A

NEW QUESTION 432

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

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

Answer: C

NEW QUESTION 434

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 435

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 436

Joe, a system administrator, is replacing an aging print server. Once he reached the step to join the new server to the existing domain, he kept getting an error and could not complete the step successfully. Which of the following did Joe forget to do?

- A. He did not recreate the printer on the new print server.
- B. He did not migrate the print server database.
- C. He did not restore a full backup of the old print server.
- D. He did not properly configure the network setting

Answer: D

NEW QUESTION 441

Which of the following RAID configurations consists of mirrored disks?

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

Answer: B

NEW QUESTION 443

Which of the following describes a root cause analysis?

- A. Identify the circumstances that initiated the problem.
- B. Replicate the problem in a test environment.
- C. List necessary corrective actions for the problem.
- D. Confirm the theory of probable caus

Answer: A

NEW QUESTION 446

An administrator is using IPv4 on all servers. If a new technician installs only IPv6 on a workstation, which of the following servers will the workstation be able to access?

- A. DHCP server
- B. Domain controller
- C. No servers
- D. DNS server

Answer: C

NEW QUESTION 448

A systems administrator receives an email indicating a Windows user in finance cannot access the finance server remotely but is currently logged onto the network. Which of the following ports should be checked to determine if it is listening or open?

- A. FTP (20/21)
- B. DNS (53)
- C. RDP (3389)
- D. RDP (3893)

Answer: C

NEW QUESTION 453

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 457

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 458

A server technician is configuring a remote site and must ensure an active-active, site-to-site replication is enabled to adhere to disaster recovery initiatives with little to no change between production and the remote site. Which of the following site types BEST represents the purpose of this remote site?

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

Answer: C

NEW QUESTION 463

An administrator checks a server running a RAID 1 with ten drives and notices three drives have blinking amber lights. Which of the following is the FIRST action the administrator should take?

- A. Reseat the drives one at a time
- B. Inform the users the server is down
- C. Shut down the server and replace the drives
- D. Call support and open a case

Answer: A

NEW QUESTION 467

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 469

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 474

Which of the following should a systems administrator create to enable network connectivity on a virtual machine? (Choose two.)

- A. A virtual network
- B. A virtual network adapter
- C. A virtual network storage
- D. An extra network card on the server
- E. A virtual switch

Answer: BE

NEW QUESTION 478

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 482

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 484

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 486

At the time of implementing a solution, it is important to: (Choose two.)

- A. make one change at a time and confirm resolution
- B. reverse the change if the problem is not resolved, and implement a new change
- C. immediately call an employee with more experience in problem resolution
- D. continue implementing new changes until the problem is resolved
- E. perform a root cause analysis

Answer: AB

NEW QUESTION 488

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 493

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

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

Answer: C

NEW QUESTION 495

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

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

Answer: B

NEW QUESTION 498

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

- A. Heatsink
- B. Voltage regulator
- C. Baffles
- D. Liquid cooling

Answer: C

NEW QUESTION 499

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 502

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 506

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 508

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

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

Answer: C

NEW QUESTION 513

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

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

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

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

Answer: B

NEW QUESTION 518

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 522

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

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

Answer: B

NEW QUESTION 525

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 530

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 533

A server technician is applying a security patch to an active-passive failover SQL cluster. However, the cluster must continue to service clients during the process with limited outages. Given this scenario, which of the following should the technician do to adhere to these maintenance requirements?

- A. Failover back to the original active node once the patching is complete
- B. Keep services failed over to passive node once patching is complete
- C. Move services to the active node and repeat for the passive node
- D. Patch the passive node, failover, and patch the other node

Answer: D

NEW QUESTION 536

A server technician is notified that Linux web services are no longer accessible. The technician is at a remote site only has access to a Windows workstation. Which of the following should the technician use to remotely restart the web services?

- A. Connect to the server using SSH
- B. Connect to the server using RDP
- C. Connect to the server using SCP
- D. Connect to the server using FTPS

Answer: B

NEW QUESTION 541

A server technician is procuring rail kits for a 2U rack mount server. Company policy dictates all rail kits must allow full extension of the system out of the rack. Given these requirements, which of the following rail kit types should the technician obtain?

- A. Static rail kit
- B. Sliding rail kit
- C. Rail kit ears
- D. Sliding shelf rails

Answer: B

NEW QUESTION 543

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 548

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

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

Answer: A

NEW QUESTION 553

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

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

Answer: C

NEW QUESTION 556

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 559

An administrator is unable to install a 64-bit OS on a newly purchased server. Which of the following is the MOST likely cause of this issue?

- A. The server has the wrong number of processors
- B. The server has the wrong number of cores
- C. The server has the wrong architecture
- D. The server has the wrong amount of memory

Answer: C

NEW QUESTION 562

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 563

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 567

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 572

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 576

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 579

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 581

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 584

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 587

An auditor wants to reduce the server footprint in a company's remote datacenter to decrease hosting costs. Regarding life-cycle management, which if the following is the auditor MOST likely to look for in reviewing the company's asset data?

- A. Make, model, asset tag, and serial number
- B. Procurement date, current usage, and scheduled end of life
- C. Licensing, warranty expiration date, and efficiency
- D. Server configuration, MTBF, and replacement cost

Answer: B

NEW QUESTION 588

A technician is configuring a new server on the network. The technician wants the server to be a default gateway for network devices. Which of the following should the technician use to BEST provide the server with the proper IP address?

- A. A static IP address outside of the DHCP scope
- B. A static IP address with a scope reservation
- C. A dynamic IP address assigned by the DHCP server
- D. An IP address that can be publicly routed

Answer: B

NEW QUESTION 591

A SLA document:

- A. outlines expectations and requirements from a provider to a consumer
- B. contains information on specific hardware or software usage and behavior
- C. defines performance expectations under normal circumstances
- D. outlines expected movement of information between servers and services

Answer: A

NEW QUESTION 594

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 595

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

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

Answer: A

NEW QUESTION 599

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 602

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 604

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

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

Answer: B

NEW QUESTION 609

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 614

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

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

Answer: B

NEW QUESTION 615

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 618

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 619

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

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

Answer: B

NEW QUESTION 620

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 624

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

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

Answer: A

NEW QUESTION 626

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 629

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 633

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 637

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 638

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 642

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 645

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 650

A user reports that each day some files are deleted from the department share. The administrator needs to find who deleted these files. Which of the following actions should the administrator perform?

- A. Enable audit object access and specify files and folders to monitor using Task Manager.
- B. Enable audit policy change and specify files and folders to monitor using Windows Explorer.
- C. Enable audit object access and specify files and folders to monitor using Windows Explorer.
- D. Open Performance Monitor and monitor folder activit

Answer: C

NEW QUESTION 652

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

- A. Configure a logon script to set the homepage at logon.
- B. Set the default homepage to the corporate website in Group Policy.

- C. Manually configure the homepage on all workstations and setup trace logs to ensure compliance.
- D. Set the default homepage to the corporate website on the base computer image

Answer: B

NEW QUESTION 653

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

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

Answer: AD

NEW QUESTION 658

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 662

An administrator receives a call from a user who is unable to receive email. After troubleshooting the administrator is able to resolve the issue and verify that user is able to access email again.

Which of the following is the NEXT step that the administrator should take?

- A. Implement preventative measures.
- B. Close the issue.
- C. Document the outcome.
- D. Other users to make sure they are not having the same issue

Answer: C

NEW QUESTION 663

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 665

A datacenter has exceeded the load on the central uninterruptible power supply (UPS) for the room and is causing power load problems. Additional power is available, but not using the central UPS. Which of the following is the BEST temporary solution for adding new servers until an upgrade of the central UPS can occur?

- A. Continue plugging into the central UPS, but put the UPS on bypass to avoid load problems.
- B. Plug the servers directly into the power that is not on the UPS.
- C. Add stand alone UPSs for new servers not wired off the central UPS.
- D. Continue plugging into the central UPS because the actual load supported is actually higher than stated.

Answer: C

NEW QUESTION 668

When disposing of computer equipment, which of the following can present an environmental hazard?

- A. Bezel
- B. SATA cable
- C. Cat5 cable
- D. CRT monitor

Answer: D

NEW QUESTION 672

Which of the following file types can Microsoft servers package for remote installation by default?

- A. .exe
- B. .ini
- C. .msi
- D. .dll

Answer: C

NEW QUESTION 674

Which of the following BEST describes RAID 0?

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

Answer: D

NEW QUESTION 677

Which of the following BEST describes the difference between RAID 5 and RAID 6?

- A. RAID 5 uses a dedicated parity drive and RAID 6 does not.
- B. RAID 6 uses a dedicated parity drive and RAID 5 does not.
- C. RAID 6 uses more parity drives than RAID 5.
- D. RAID 5 uses more parity drives than RAID 6.

Answer: C

NEW QUESTION 682

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 685

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 687

Which of the following BEST describes a server where several physical server chassis are housed within an enclosure to share some redundant resources?

- A. Tower server
- B. Rack mount server
- C. Blade server
- D. Bare metal server

Answer: C

NEW QUESTION 692

A power loss during a firmware update would MOST likely result in which of the following?

- A. Increased heat output
- B. Damage of the hardware
- C. Loss of storage data
- D. Decreased performance

Answer: B

NEW QUESTION 695

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 696

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

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

Answer: B

NEW QUESTION 699

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 703

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 706

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 710

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 712

Which of the following expansion slots is 64-bit?

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

Answer: D

NEW QUESTION 717

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 722

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

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

Answer: B

NEW QUESTION 727

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 731

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

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

Answer: B

NEW QUESTION 732

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 733

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 737

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

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

Answer: D

NEW QUESTION 739

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 744

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 749

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 752

Which of the following is an SLA?

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

Answer: B

NEW QUESTION 756

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

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

Answer: B

NEW QUESTION 758

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

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

Answer: B

NEW QUESTION 763

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

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

Answer: C

NEW QUESTION 766

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 771

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 772

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 774

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

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

Answer: A

NEW QUESTION 776

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 779

Which of the following ports does a telnet application utilize?

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

Answer: B

NEW QUESTION 782

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 787

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 789

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 793

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

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

Answer: D

NEW QUESTION 795

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 798

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

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

Answer: C

NEW QUESTION 803

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 807

An administrator notes that after a recent power outage, some open files were corrupted on one affected file server. Which of the following items should the administrator consider to determine the cause of this corruption?

- A. The servers memory
- B. The servers RAID controller battery
- C. The servers processor
- D. The servers NIC teaming configuration

Answer: B

NEW QUESTION 810

A user calls the system administrator and states that they can no longer access the file server they had been working on all morning. To troubleshoot this problem, which step should the administrator take FIRST?

- A. Reboot the file server.
- B. Ask the user what they were doing when they noticed the problem.
- C. Ask the user to reboot their PC.
- D. Ask the user to ping the default gateway and report the response times back to the administrato

Answer: B

NEW QUESTION 815

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 817

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 819

A SAN attached production file server is required to be backed up nightly according to company policy.

Recently the data to be backed up has increased to approximately 4TB. Currently, the server has a single attached LTO2 tape drive. Which of the following should the server administrator do to provide enough backup capacity for the nightly job?

- A. Replace the backup software with a more efficient application.
- B. Reduce the amount of data to be backed up.
- C. Replace the LTO2 tape drive with an LTO3 tape drive.
- D. Replace the single tape drive with a tape librar

Answer: D

NEW QUESTION 822

When running a Windows server, which option is used with the ping command to define the number of packets transmitted?

- A. -n
- B. -a
- C. -r
- D. -v

Answer: A

NEW QUESTION 827

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

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

Answer: B

NEW QUESTION 829

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

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

Answer: B

NEW QUESTION 830

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 833

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 836

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