

SK0-004 Dumps

CompTIA Server+

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NEW QUESTION 1

A blade server chassis has two power supplies. Which of the following is a benefit of a technician connecting each power supply to a separate UPS unit?

- A. Quality of service
- B. Fault tolerance
- C. Traffic shaping
- D. Load balancing

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 technician is replacing a web server in an organization. The new server has two integrated NICs. Which of the following describes how the NICs should be configured for fault protection?

- A. The NICs should be configured separately with one MAC address.
- B. The NICs should be placed into a team with one MAC address.
- C. The NICs should be configured separately with two MAC addresses.
- D. The NICs should be placed into a team with two MAC addresses

Answer: B

NEW QUESTION 4

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 5

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

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

Answer: C

NEW QUESTION 6

Two servers are to be configured for high availability in a cluster. Both servers will be running applications at the same time. This feature is known as:

- A. round robin.
- B. heartbeat.
- C. active/active.
- D. active/passiv

Answer: C

NEW QUESTION 7

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 8

A line-of-business software patch notification is received. The notification indicates that version 5.0 of the software has new features that the accounting

department has been expecting. The update requires a new version of the OS and new version of SQL on the server. Which of the following should the administrator perform FIRST?

- A. Schedule downtime to update the OS and SQL on the server.
- B. Download and test the new version.
- C. Develop a plan to build a test server.
- D. Request feedback from the accounting department.

Answer: C

NEW QUESTION 9

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

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

Answer: D

NEW QUESTION 10

An ISP is currently drafting and compiling a Service Level Agreement that states there should only be 5.26 minutes of downtime per year, 25.9 seconds per month, and 6.05 seconds per week. Which of the following percentages should be used to meet these metrics?

- A. 99.9%
- B. 99.99%
- C. 99.999%
- D. 99.9999%

Answer: C

NEW QUESTION 10

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

- A. 1
- B. 5
- C. 10

Answer: C

NEW QUESTION 12

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 15

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 16

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 badge.

Answer: A

NEW QUESTION 19

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 20

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

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

Answer: CD

NEW QUESTION 23

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 24

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 27

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 30

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

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

Answer: A

NEW QUESTION 31

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

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

Answer: A

NEW QUESTION 35

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 39

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

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

Answer: C

NEW QUESTION 43

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 48

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 51

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 54

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 56

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 60

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 62

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 65

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

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

Answer: B

NEW QUESTION 66

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 67

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

- A. Hard wipe
- B. Reformat
- C. Degaussing
- D. Delete partitions

Answer: C

NEW QUESTION 71

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 76

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

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

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

- A. Add the w permission for the users.
- B. Add the x permission for the group.

- C. Remove the x permission for other.
- D. Remove the r permission for the grou

Answer: A

NEW QUESTION 77

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

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

Answer: C

NEW QUESTION 81

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

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

Answer: C

NEW QUESTION 83

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 87

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 91

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

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

Answer: A

NEW QUESTION 92

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 93

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 95

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

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

Answer: A

NEW QUESTION 99

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

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

Answer: A

NEW QUESTION 102

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 105

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 110

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

Network Address: 199.90.10.32/28

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

- A. 199.90.10.49, 255.255.255.240
- B. 199.90.10.47, 255.255.255.224
- C. 199.90.10.47, 255.255.255.240
- D. 199.90.10.48, 255.255.255.240

Answer: C

NEW QUESTION 113

An administrator has been tasked with consolidating six individual servers into one blade enclosure. The administrator completed the task successfully. A week later, all of the blades would not boot properly. Which of the following would MOST likely be causing this issue?

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

Answer: C

NEW QUESTION 114

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 117

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 121

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

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

Answer: B

NEW QUESTION 123

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

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

Answer: DE

NEW QUESTION 124

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

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

Answer: D

NEW QUESTION 129

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 134

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 138

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 142

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 145

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 148

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 152

After starting an operating system installation from DVD, a system administrator goes to work on another task and comes back to find the server back at the installation start screen. Which of the following should be done to correct this problem?

- A. Try installation again with a different DVD.
- B. Modify the device boot order in the BIOS.
- C. Monitor the operating system installation process completely this time.
- D. Swap the hard drive with a known working on

Answer: B

NEW QUESTION 153

A user is unable to save an image file to their 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 failin

Answer: A

NEW QUESTION 157

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 162

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 167

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 171

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

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

Answer: D

NEW QUESTION 174

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 of the following disk types should the administrator recommend?

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

Answer: C

NEW QUESTION 177

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 178

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

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

Answer: A

NEW QUESTION 182

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 cause.

Answer: A

NEW QUESTION 184

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

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

Answer: A

NEW QUESTION 188

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

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

Answer: C

NEW QUESTION 192

An administrator is setting up LDAP in the environment to allow directory services authentication and login, and wants to allow secure connection only. Which of the following network ports should be allowed on the internal and external firewalls?

- A. 443
- B. 989
- C. 3268
- D. 3389

Answer: C

NEW QUESTION 195

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 200

A server administrator is notified of an OS hot fix for a production server. Which of the following BEST represent how the hot fix should be applied? (Choose two.)

- A. The hot fix should be applied after testing in a non-production environment
- B. The hot fix should be applied when it is released from the vendor
- C. The hot fix should be applied after following proper change management procedures
- D. The hot fix should be applied after testing in a production environment
- E. The hot fix should be applied once it has been superseded

Answer: AC

NEW QUESTION 202

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 204

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 207

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 210

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

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

Answer: A

NEW QUESTION 211

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

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

Answer: A

NEW QUESTION 216

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 220

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 222

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

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

Answer: D

NEW QUESTION 224

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 226

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 231

An administrator wants to ensure a server OS and data can be recovered in case all the server's hard disk drives fail simultaneously. Which of the following backup types must be implemented to meet the requirements?

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

Answer: A

NEW QUESTION 232

A technician is trying to install the operating system on a new server. When the server is powered on, it searches for the installation information on CD and then on the local hard drive. The operating system installation is on a PXE server. Which of the following should the technician change to successfully install the operating system?

- A. BIOS settings
- B. Firmware version
- C. File system type
- D. RAID configuration

Answer: A

NEW QUESTION 233

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 236

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 237

In a workgroup, all of the following steps are required for a DHCP server EXCEPT:

- A. activate the scopes.
- B. authorize the server.
- C. configure the scopes.
- D. install DHCP service

Answer: B

NEW QUESTION 240

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 imag

Answer: B

NEW QUESTION 242

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

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

Answer: C

NEW QUESTION 243

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 244

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

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

Answer: CD

NEW QUESTION 245

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 247

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 248

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 250

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 254

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 258

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

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

Answer: C

NEW QUESTION 260

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 263

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 267

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

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

Answer: C

NEW QUESTION 269

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 273

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

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

Answer: D

NEW QUESTION 277

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 278

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

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

Answer: B

NEW QUESTION 280

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 283

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 286

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 288

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 291

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 293

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

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

Answer: C

NEW QUESTION 298

When running a Windows server, which option is used with the ping command to convert numerical addresses to host names?

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

Answer: B

NEW QUESTION 303

Which of the following memory types is located in the processor chip?

- A. EDO
- B. L1
- C. xD
- D. DDR

Answer: B

NEW QUESTION 305

When cabling a rack, which of the following is BEST practice?

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

Answer: A

NEW QUESTION 310

Which of the following defines memory interleaving?

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

Answer: B

NEW QUESTION 314

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

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

Answer: B

NEW QUESTION 315

A technician receives errors that a server's internal temperature is approaching an unsafe limit. After opening up the chassis, all fans are operational. Which of the following should be checked NEXT ?

- A. Blockage of the cooling system
- B. Fire suppression system
- C. Uninterruptible power supply load
- D. Location of the server

Answer: A

NEW QUESTION 320

A system administrator is creating a backup schedule. Which of the following is a best practice to ensure the data is backed up, based on a five-day business week ?

- A. Full on Sundays; incremental on business days
- B. Incremental on Sundays; differential on business days
- C. Snapshot on Sundays, differential on business days
- D. Incremental on Sundays; snapshot on business days

Answer: A

NEW QUESTION 321

In terms of security, which of the following comprises « something you have » ?

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

Answer: A

NEW QUESTION 323

A systems administrator is tasked to add an existing user to an existing group on a local Linux system. Which of the following files should be edited to accomplish this task?

- A. /etc/group file
- B. /etc/passwd file
- C. /etc/hosts file
- D. /etc/group_membership file

Answer: B

NEW QUESTION 325

An administrator is deploying 1000 new servers in a datacenter. A vendor will install the servers on racks and connect cables. Which of the following technologies would BEST for the administrator to use to install operating systems to all 1000 servers in the shortest time possible? (Select two.)

- A. SFTP
- B. TFTP
- C. PXE
- D. UDP
- E. USB
- F. DVD

Answer: C

NEW QUESTION 328

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

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

Answer: A

NEW QUESTION 331

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

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

Answer: D

NEW QUESTION 333

A server technician has just replaced an Ethernet card in a server. Per company policy, all servers' network settings must be manually configured. The technician verified that the server can ping other servers on its subnet, but it cannot ping any servers that are on subnets other than its own. Which of the following is MOST likely the cause of this issue?

- A. The server is not joined to the domain
- B. The default gateway is misconfigured
- C. The subnet mask is misconfigured
- D. The WINS is misconfigured

Answer: B

NEW QUESTION 336

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

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

Answer: A

NEW QUESTION 339

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

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

Answer: AB

NEW QUESTION 341

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

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

Answer: AD

NEW QUESTION 346

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

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

Answer: B

NEW QUESTION 348

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

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

Answer: A

NEW QUESTION 350

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

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

Answer: C

NEW QUESTION 355

Which of the following OSs would be the MOST appropriate to manage a server with an Active Directory?

- A. Linux Ubuntu
- B. Linux Fedora
- C. Mac OS X
- D. Windows Server 2013 Enterprise

Answer: D

NEW QUESTION 359

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

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

Answer: D

NEW QUESTION 362

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

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

Answer: B

NEW QUESTION 366

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

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

Answer: D

NEW QUESTION 370

A blade server consumes 2000W at full power in a chassis that holds four power supplies. Which of the following is the MINIMUM amount of 900W power supplies needed to power the blade chassis?

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

Answer: C

NEW QUESTION 374

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

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

Answer: D

NEW QUESTION 377

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