

CompTIA

Exam Questions SK0-005

CompTIA Server+ Certification Exam



NEW QUESTION 1

A systems administrator needs to configure a new server and external storage for a new production application environment. Based on end-user specifications, the new solution needs to adhere to the following basic requirements:

- * 1. The OS must be installed in a separate disk partition. In case of hard drive failure, it cannot be affected.
- * 2. Application data IOPS performance is a must.
- * 3. Data availability is a high priority, even in the case of multiple hard drive failures.

Which of the following are the BEST options to comply with the user requirements? (Choose three.)

- A. Install the OS on a RAID 0 array.
- B. Install the OS on a RAID 1 array.
- C. Configure RAID 1 for the application data.
- D. Configure RAID 5 for the application data.
- E. Use SSD hard drives for the data application array.
- F. Use SATA hard drives for the data application array.
- G. Use a single JBOD for OS and application data.

Answer: BDE

NEW QUESTION 2

An administrator is configuring a host-based firewall for a server. The server needs to allow SSH, FTP, and LDAP traffic. Which of the following ports must be configured so this traffic will be allowed? (Select THREE).

- A. 21
- B. 22
- C. 53
- D. 67
- E. 69
- F. 110
- G. 123
- H. 389

Answer: D

NEW QUESTION 3

A technician wants to limit disk usage on a server. Which of the following should the technician implement?

- A. Formatting
- B. Compression
- C. Disk quotas
- D. Partitioning

Answer: C

NEW QUESTION 4

A systems administrator is trying to run a program on the server to query the database. When attempting to launch the program, the screen flashes and the program closes. Which of the following should the technician do to get the program to open correctly? (Choose two.)

- A. Launch the program running as the administrator.
- B. Check HIPS logs to see if the application is blocked.
- C. Log on to the server as the backup administrator.
- D. Log on to the server as the database administrator.
- E. Stop the database and restart the server.

Answer: AB

NEW QUESTION 5

Which of the following would a systems administrator implement to ensure all web traffic is secure?

- A. SSH
- B. SSL
- C. SMTP
- D. PGP

Answer: B

Explanation:

Secure Sockets Layer (SSL): SSL and its successor Transport Layer Security (TLS) enable client and server computers to establish a secure connection session and manage encryption and decryption activities.

NEW QUESTION 6

A server technician is installing a new server OS on legacy server hardware. Which of the following should the technician do FIRST to ensure the OS will work as intended?

- A. Consult the HCL to ensure everything is supported.
- B. Migrate the physical server to a virtual server.
- C. Low-level format the hard drives to ensure there is no old data remaining.

D. Make sure the case and the fans are free from dust to ensure proper cooling.

Answer: A

NEW QUESTION 7

An administrator is troubleshooting a RAID issue in a failed server. The server reported a drive failure, and then it crashed and would no longer boot. There are two arrays on the failed server: a two-drive RAID 0 set for the OS, and an eight-drive RAID 10 set for data. Which of the following failure scenarios MOST likely occurred?

- A. A drive failed in the OS array.
- B. A drive failed and then recovered in the data array.
- C. A drive failed in both of the arrays.
- D. A drive failed in the data array.

Answer: A

NEW QUESTION 8

A user cannot save large files to a directory on a Linux server that was accepting smaller files a few minutes ago. Which of the following commands should a technician use to identify the issue?

- A. pvdisplay
- B. mount
- C. df -h
- D. fdisk -l

Answer: C

NEW QUESTION 9

Following a recent power outage, a server in the datacenter has been constantly going offline and losing its configuration. Users have been experiencing access issues while using the application on the server. The server technician notices the data and time are incorrect when the server is online. All other servers are working. Which of the following would MOST likely cause this issue? (Choose two.)

- A. The server has a faulty power supply
- B. The server has a CMOS battery failure
- C. The server requires OS updates
- D. The server has a malfunctioning LED panel
- E. The servers do not have NTP configured
- F. The time synchronization service is disabled on the servers

Answer: CF

NEW QUESTION 10

Users at a company work with highly sensitive data. The security department implemented an administrative and technical control to enforce least-privilege access assigned to files. However, the security department has discovered unauthorized data exfiltration. Which of the following is the BEST way to protect the data from leaking?

- A. Utilize privacy screens.
- B. Implement disk quotas.
- C. Install a DLP solution.
- D. Enforce the lock-screen feature.

Answer: C

Explanation:

Components of a Data Loss Solution

NEW QUESTION 10

A system administrator has been alerted to a zero-day vulnerability that is impacting a service enabled on a server OS. Which of the following would work BEST to limit an attacker from exploiting this vulnerability?

- A. Installing the latest patches
- B. Closing open ports
- C. Enabling antivirus protection
- D. Enabling a NIDS

Answer: B

NEW QUESTION 12

A server administrator is exporting Windows system files before patching and saving them to the following location:

\\server1\ITDept\

Which of the following is a storage protocol that the administrator is MOST likely using to save this data?

- A. eSATA
- B. FCoE
- C. CIFS
- D. SAS

Answer: C

NEW QUESTION 13

A systems administrator is setting up a new server that will be used as a DHCP server. The administrator installs the OS but is then unable to log on using Active Directory credentials. The administrator logs on using the local administrator account and verifies the server has the correct IP address, subnet mask, and default gateway. The administrator then gets on another server and can ping the new server. Which of the following is causing the issue?

- A. Port 443 is not open on the firewall
- B. The server is experiencing a downstream failure
- C. The local hosts file is blank
- D. The server is not joined to the domain

Answer: D

NEW QUESTION 15

A company stores extremely sensitive data on an alt-gapped system. Which of the following can Be Implemented to increase security against a potential insider threat?

- A. Two-person Integrity
- B. SSO
- C. SIEM
- D. Faraday cage
- E. MFA

Answer: E

NEW QUESTION 19

Which of the following should an administrator use to transfer log files from a Linux server to a Windows workstation?

- A. Telnet
- B. Robocopy
- C. XCOPY
- D. SCP

Answer: D

NEW QUESTION 22

Users cannot access a new server by name, but the server does respond to a ping request using its IP address. All the user workstations receive their IP information from a DHCP server. Which of the following would be the best step to perform NEXT?

- A. Run the tracert command from a workstation.
- B. Examine the DNS to see if the new server record exists.
- C. Correct the missing DHCP scope.
- D. Update the workstation hosts file.

Answer: B

NEW QUESTION 24

An administrator needs to perform bare-metal maintenance on a server in a remote datacenter. Which of the following should the administrator use to access the server's console?

- A. IP KVM
- B. VNC
- C. A crash cart
- D. RDP
- E. SSH

Answer: D

NEW QUESTION 26

A recent power Outage caused email services to go down. A sever administrator also received alerts from the datacenter's UPS. After some investigation, the server administrator learned that each POU was rated at a maximum Of 12A.

INSTRUCTIONS

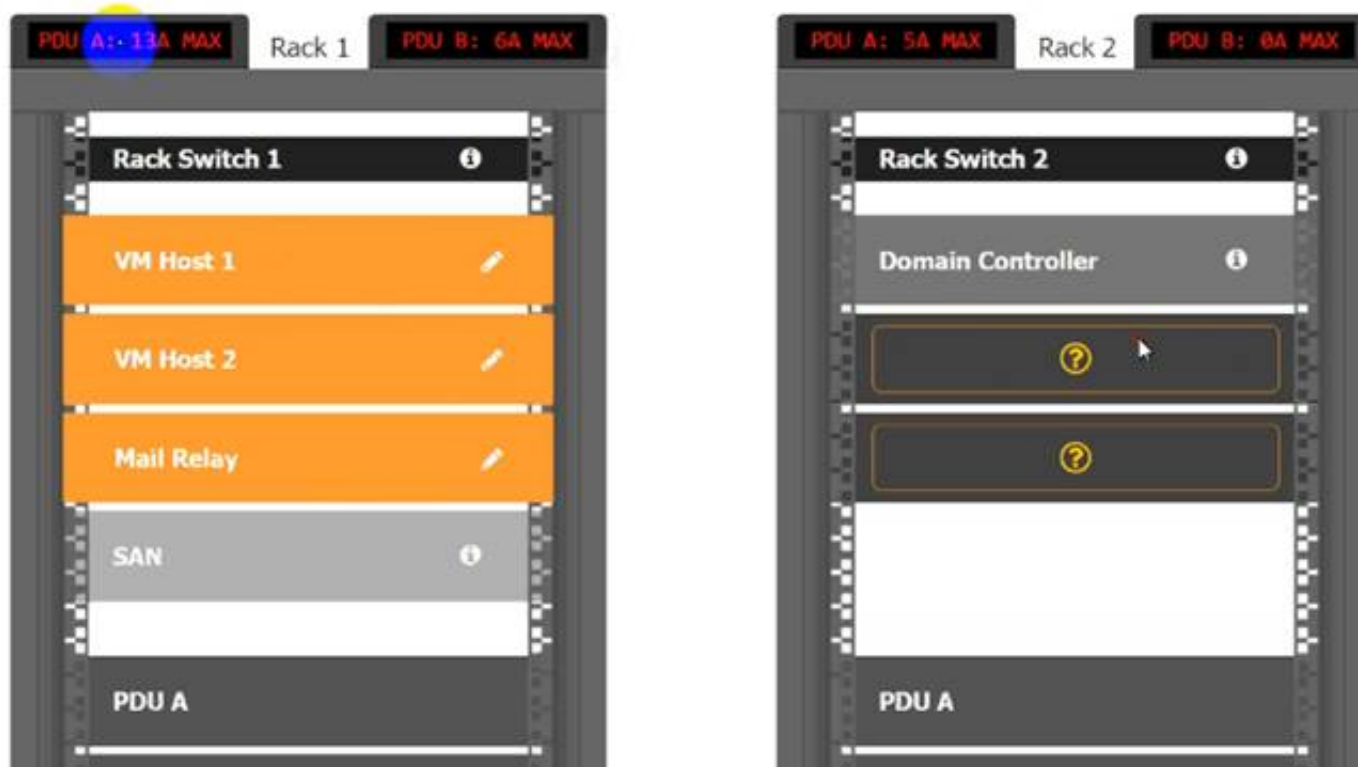
Ensure power redundancy is implemented throughout each rack and UPS alarms are resolved. Ensure the maximum potential PDU consumption does not exceed 80% or 9.6A).

- * a. PDU selections must be changed using the pencil icon.
- * b. VM Hosts 1 and 2 and Mail Relay can be moved between racks.
- * c. Certain devices contain additional details

Data Center Racks 1 and 2

Show Question

Reset All Answers



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, application Description automatically generated

NEW QUESTION 29

A company is building a new datacenter next to a busy parking lot. Which of the following is the BEST strategy to ensure wayward vehicle traffic does not interfere with datacenter operations?

- A. Install security cameras
- B. Utilize security guards
- C. Install bollards
- D. Install a mantrap

Answer: C

NEW QUESTION 31

When configuring networking on a VM, which of the following methods would allow multiple VMs to share the same host IP address?

- A. Bridged
- B. NAT
- C. Host only
- D. vSwitch

Answer: B

NEW QUESTION 32

A server administrator is configuring a new server that will hold large amounts of information. The server will need to be accessed by multiple users at the same time. Which of the following server roles will the administrator MOST likely need to install?

- A. Messaging
- B. Application
- C. Print
- D. Database

Answer: D

Explanation:

Few people are expected to use the database at the same time and users don't need to customize the design of the database.

NEW QUESTION 37

Which of the following technologies would allow an administrator to build a software RAID on a Windows server?

- A. Logical volume management
- B. Dynamic disk
- C. GPT
- D. UEFI

Answer: B

NEW QUESTION 42

A server technician has received reports of database update errors. The technician checks the server logs and determines the database is experiencing synchronization errors. To attempt to correct the errors, the technician should FIRST ensure:

- A. the correct firewall zone is active
- B. the latest firmware was applied
- C. NTP is running on the database system
- D. the correct dependencies are installed

Answer: C

NEW QUESTION 44

A global organization keeps personnel application servers that are local to each country. However, a security audit shows these application servers are accessible from sites in other countries. Which of the following hardening techniques should the organization use to restrict access to only sites that are in the same country?

- A. Configure a firewall
- B. Close the unneeded ports
- C. Install a HIDS
- D. Disable unneeded services.

Answer: A

Explanation:

Monitors Network Traffic

NEW QUESTION 47

A company uses a hot-site, disaster-recovery model. Which of the following types of data replication is required?

- A. Asynchronous
- B. Incremental
- C. Application consistent
- D. Constant

Answer: B

NEW QUESTION 52

An administrator has attached an old SCSI JBOD to a server to recover archival data. However, the array will not mount to the server. Which of the following should the administrator check FIRST?

- A. Terminators are installed on the controller card and the array.
- B. Disk drivers are not installed on the server.
- C. SCSI BIOS needs to be updates.
- D. Terminators are installed on each hard drive.

Answer: B

NEW QUESTION 56

Alter rack mounting a server, a technician must install four network cables and two power cables for the server. Which of the following is the MOST appropriate way to complete this task?

- A. Wire the four network cables and the two power cables through the cable management arm using appropriate-length cables.
- B. Run the four network cables up the left side of the rack to the top of the rack switch
- C. Run the two power cables down the right side of the rack toward the UPS.
- D. Use the longest cables possible to allow for adjustment of the server rail within the rack.
- E. Install an Ethernet patch panel and a PDU to accommodate the network and power cables.

Answer: A

NEW QUESTION 61

A systems administrator is investigating a server with a RAID array that will not boot into the OS. The administrator notices all the hard drives are reporting to be offline. The administrator checks the RAID controller and verifies the configuration is correct. The administrator then replaces one of the drives with a known-good drive, but it appears to be unavailable as well. Next, the administrator takes a drive out of the server and places it in a spare server, and the drive is available and functional. Which of the following is MOST likely causing the issue?

- A. The kernel is corrupt.
- B. Resources are misallocated.
- C. The backplane has failed.
- D. The drives need to be reseated.

Answer: D

NEW QUESTION 66

Which of the following BEST measures how much downtime an organization can tolerate during an unplanned outage?

- A. SLA

- B. BIA
- C. RTO
- D. MTTR

Answer: A

NEW QUESTION 70

A server has experienced several component failures. To minimize downtime, the server administrator wants to replace the components while the server is running. Which of the following can MOST likely be swapped out while the server is still running? (Select TWO).

- A. The power supply
- B. The CPU
- C. The hard drive
- D. The GPU
- E. The cache
- F. The RAM

Answer: CD

NEW QUESTION 75

A server technician is deploying a server with eight hard drives. The server specifications call for a RAID configuration that can handle up to two drive failures but also allow for the least amount of drive space lost to RAID overhead. Which of the following RAID levels should the technician configure for this drive array?

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

Answer: C

NEW QUESTION 79

A security analyst suspects a remote server is running vulnerable network applications. The analyst does not have administrative credentials for the server. Which of the following would MOST likely help the analyst determine if the applications are running?

- A. User account control
- B. Anti-malware
- C. A sniffer
- D. A port scanner

Answer: A

NEW QUESTION 82

A server technician notices a server is very low on disk space. Upon inspecting the disk utilization, the technician discovers server logs are taxing up a large amount of space. There is no central log server. Which of the following would help free up disk space?

- A. Log rotation
- B. Log shipping
- C. Log alerting
- D. Log analysis

Answer: B

NEW QUESTION 87

Which of the following should be placed at the top of a Bash script to ensure it can be executed?

- A. bash
- B. !execute
- C. #!
- D. @each off

Answer: C

NEW QUESTION 88

A server is performing slowly, and users are reporting issues connecting to the application on that server. Upon investigation, the server administrator notices several unauthorized services running on that server that are successfully communicating to an external site. Which of the following are MOST likely causing the issue?

(Choose two.)

- A. Adware is installed on the users' devices
- B. The firewall rule for the server is misconfigured
- C. The server is infected with a virus
- D. Intrusion detection is enabled on the network
- E. Unnecessary services are disabled on the server
- F. SELinux is enabled on the server

Answer: AC

NEW QUESTION 89

Which of the following will correctly map a script to a home directory for a user based on username?

- A. \\server\users\$\username
- B. \\server\%username%
- C. \\server\FirstInitialLastName
- D. \\server\%username\$

Answer: B

NEW QUESTION 91

A Linux administrator created a script that will run at startup. After successfully writing the script, the administrator received the following output when trying to execute the script:

Bash ./startup.sh:Permission denied

Which of the following commands would BEST resolve the error message?

- A. Chmod +w startup.sh
- B. Chmod 444 startup.sh
- C. Chmod+x startup.sh
- D. Chmod 466 startUp.sh

Answer: C

NEW QUESTION 93

An administrator needs three distinct security zones in a company's network. Which of the following is the administrator MOST likely to implement?

- A. Host-based firewalls
- B. A Layer 3 firewall
- C. A web application firewall
- D. A circuit-based firewall

Answer: B

NEW QUESTION 98

A large number of connections to port 80 is discovered while reviewing the log files on a server. The server is not functioning as a web server. Which of the following represent the BEST immediate actions to prevent unauthorized server access? (Choose two.)

- A. Audit all group privileges and permissions
- B. Run a checksum tool against all the files on the server
- C. Stop all unneeded services and block the ports on the firewall
- D. Initialize a port scan on the server to identify open ports
- E. Enable port forwarding on port 80
- F. Install a NIDS on the server to prevent network intrusions

Answer: AD

NEW QUESTION 101

A technician is attempting to update a server's firmware. After inserting the media for the firmware and restarting the server, the machine starts normally into the OS. Which of the following should the technician do NEXT to install the firmware?

- A. Press F8 to enter safe mode
- B. Boot from the media
- C. Enable HIDS on the server
- D. Log in with an administrative account

Answer: B

NEW QUESTION 104

A server is reporting a hard drive S.M.A.R.T. error. When a technician checks on the drive, however, it appears that all drives in the server are functioning normally. Which of the following is the reason for this issue?

- A. A S.M.A.R.
- B. error is a predictive failure notice
- C. The drive will fail in the near future and should be replaced at the next earliest time possible
- D. A S.M.A.R.
- E. error is a write operation error
- F. It has detected that the write sent to the drive was incorrectly formatted and has requested a retransmission of the write from the controller
- G. A S.M.A.R.
- H. error is simply a bad sector
- I. The drive has marked the sector as bad and will continue to function properly
- J. A S.M.A.R.
- K. error is an ECC error
- L. Due to error checking and correcting, the drive has corrected the missing bit and completed the write operation correctly.

Answer: C

NEW QUESTION 107

Which of the following policies would be BEST to deter a brute-force login attack?

- A. Password complexity
- B. Password reuse
- C. Account age threshold
- D. Account lockout threshold

Answer: D

NEW QUESTION 110

Which of the following DR testing scenarios is described as verbally walking through each step of the DR plan in the context of a meeting?

- A. Live failover
- B. Simulated failover
- C. Asynchronous
- D. Tabletop

Answer: A

NEW QUESTION 112

Which of the following access control methodologies can be described BEST as allowing a user the least access based on the jobs the user needs to perform?

- A. Scope-based
- B. Role-based
- C. Location-based
- D. Rule-based

Answer: B

NEW QUESTION 116

A technician is laying out a filesystem on a new Linux server. Which of the following tools would work BEST to allow the technician to increase a partition's size in the future without reformatting it?

- A. LVM
- B. DiskPart
- C. fdisk
- D. Format

Answer: A

NEW QUESTION 118

A company's IDS has identified outbound traffic from one of the web servers coming over port 389 to an outside address. This server only hosts websites. The company's SOC administrator has asked a technician to harden this server. Which of the following would be the BEST way to complete this request?

- A. Disable port 389 on the server
- B. Move traffic from port 389 to port 443
- C. Move traffic from port 389 to port 637
- D. Enable port 389 for web traffic

Answer: C

NEW QUESTION 122

An administrator is configuring a server to communicate with a new storage array. To do so, the administrator enters the WWPN of the new array in the server's storage configuration. Which of the following technologies is the new connection using?

- A. iSCSI
- B. eSATA
- C. NFS
- D. FcoE

Answer: A

NEW QUESTION 127

A server administrator needs to deploy five VMs, all of which must have the same type of configuration. Which of the following would be the MOST efficient way to perform this task?

- A. Snapshot a VM.
- B. Use a physical host.
- C. Perform a P2V conversion.
- D. Use a VM template.

Answer: D

Explanation:

Deploying a virtual machine from a template creates a virtual machine that is a copy of the template. The new virtual machine has the virtual hardware, installed software, and other properties that are configured for the template.

NEW QUESTION 128

A technician needs to set up a server backup method for some systems. The company's management team wants to have quick restores but minimize the amount of backup media required. Which of the following are the BEST backup methods to use to support the management's priorities? (Choose two.)

- A. Differential
- B. Synthetic full
- C. Archive
- D. Full
- E. Incremental
- F. Open file

Answer: AB

NEW QUESTION 129

A server administrator needs to create a new folder on a file server that only specific users can access. Which of the following BEST describes how the server administrator can accomplish this task?

- A. Create a group that includes all users and assign it to an ACL.
- B. Assign individual permissions on the folder to each user.
- C. Create a group that includes all users and assign the proper permissions.
- C. Assign ownership on the folder for each user.

Answer: C

Explanation:

The top portion of the dialog box lists the users and/or groups that have access to the file or folder.

NEW QUESTION 134

Due to a recent application migration, a company's current storage solution does not meet the necessary requirements for hosting data without impacting performance when the data is accessed in real time by multiple users. Which of the following is the BEST solution for this issue?

- A. Install local external hard drives for affected users.
- B. Add extra memory to the server where data is stored.
- C. Compress the data to increase available space.
- D. Deploy a new Fibre Channel SAN solution.

Answer: D

NEW QUESTION 139

A server administrator is swapping out the GPU card inside a server. Which of the following actions should the administrator take FIRST?

- A. Inspect the GPU that is being installed.
- B. Ensure the GPU meets HCL guidelines.
- C. Shut down the server.
- D. Disconnect the power from the rack.

Answer: C

NEW QUESTION 142

Which of the following tools will analyze network logs in real time to report on suspicious log events?

- A. Syslog
- B. DLP
- C. SIEM
- D. HIPS

Answer: C

NEW QUESTION 145

Which of the following documents would be useful when trying to restore IT infrastructure operations after a non-planned interruption?

- A. Service-level agreement
- B. Disaster recovery plan
- C. Business impact analysis
- D. Business continuity plan

Answer: B

NEW QUESTION 148

An administrator recommends using a tower server in a small remote office. Which of the following should be added to the server to ensure continuous server operation?

- A. Surge protector
- B. PDU
- C. UPS
- D. Ground strap

Answer: C

NEW QUESTION 150

A company wants to deploy software to all users, Out very few of men will be using the software at any one point in time. Which of the following licensing models would be BEST lot the company?

- A. Per site
- B. Per concurrent user
- C. Per core
- D. Per instance

Answer: B

NEW QUESTION 153

A technician is configuring a server that requires secure remote access. Which of the following ports should the technician use?

- A. 21
- B. 22
- C. 23
- D. 443

Answer: D

NEW QUESTION 158

A technician is checking a server rack. Upon entering the room, the technician notices the fans on a particular server in the rack are running at high speeds. This is the only server in the rack that is experiencing this behavior. The ambient temperature in the room appears to be normal. Which of the following is the MOST likely reason why the fans in that server are operating at full speed?

- A. The server is In the process of shutting down, so fan speed operations have been defaulted to high.
- B. An incorrect fan size was inserted into the server, and the server has had to Increase the fan speed to compensate.
- C. A fan failure has occurred, and the other fans have increased speed to compensate.
- D. The server is utilizing more memory than the other servers, so it has increased the fans to compensate.

Answer: B

NEW QUESTION 162

A server administrator is completing an OS installation for a new server. The administrator patches the server with the latest vendor-suggested software, configures DHCP, and verifies all network cables are properly connected in the IDF, but there is no network connectivity. Which of the following is the MOST likely reason for the lack of connectivity?

- A. The VLAN Is improperly configured.
- B. The DNS configuration Is invalid.
- C. The OS version is not compatible with the network switch vendor.
- D. The HIDS is preventing the connection.

Answer: A

NEW QUESTION 163

Which of the following must a server administrator do to ensure data on the SAN is not compromised if it is leaked?

- A. Encrypt the data that is leaving the SAN
- B. Encrypt the data at rest
- C. Encrypt the host servers
- D. Encrypt all the network traffic

Answer: B

NEW QUESTION 165

Which of me following is the BEST action to perform before applying patches to one of the hosts in a high availability cluster?

- A. Disable the heartbeat network.
- B. Fallback cluster services.
- C. Set the cluster to active-active.
- D. Failover all VMs.

Answer: B

NEW QUESTION 168

A server administrator has connected a new server to the network. During testing, the administrator discovers the server is not reachable via server but can be accessed by IP address. Which of the following steps should the server administrator take NEXT? (Select TWO).

- A. Check the default gateway.
- B. Check the route tables.
- C. Check the hosts file.
- D. Check the DNS server.

- E. Run the ping command.
- F. Run the tracert command

Answer: CD

NEW QUESTION 171

A server administrator needs to configure a server on a network that will have no more than 30 available IP addresses. Which of the following subnet addresses will be the MOST efficient for this network?

- A. 255.255.255.0
- B. 255.255.255.128
- C. 255.255.255.224
- D. 255.255.255.252

Answer: C

NEW QUESTION 172

Which of the following techniques can be configured on a server for network redundancy?

- A. Clustering
- B. Vitalizing
- C. Cloning
- D. Teaming

Answer: D

NEW QUESTION 175

A company deploys antivirus, anti-malware, and firewalls that can be assumed to be functioning properly. Which of the following is the MOST likely system vulnerability?

- A. Insider threat
- B. Worms
- C. Ransomware
- D. Open ports
- E. Two-person integrity

Answer: A

NEW QUESTION 179

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