

## Exam Questions SK0-005

CompTIA Server+ Certification Exam

<https://www.2passeasy.com/dumps/SK0-005/>



#### 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 server technician installs a new NIC on a server and configures the NIC for IP connectivity. The technician then tests the connection using the ping command. Given the following partial output of the ping and ipconfig commands:

```
ipconfig /all

IPv4 address: 192.168.1.5
Subnet mask: 255.255.255.0
Default gateway: 192.168.1.1

pinging 192.168.1.1 with 32 bytes of data:

Request timed out
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Request timed out
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
```

Which of the following caused the issue?

- A. Duplicate IP address
- B. Incorrect default gateway
- C. DHCP misconfiguration
- D. Incorrect routing table

**Answer:** A

#### NEW QUESTION 4

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 5

A server administrator is experiencing difficulty configuring MySQL on a Linux server. The administrator issues the getenforce command and receives the following output:

># Enforcing

Which of the following commands should the administrator issue to configure MySQL successfully?

- A. setenforce 0
- B. setenforce permissive
- C. setenforce 1
- D. setenforce disabled

**Answer:** A

#### NEW QUESTION 6

A technician needs to deploy an operating system that would optimize server resources. Which of the following server installation methods would BEST meet this requirement?

- A. Full
- B. Bare metal
- C. Core
- D. GUI

**Answer:** C

#### NEW QUESTION 7

A systems administrator has noticed performance degradation on a company file server, and one of the disks on it has a solid amber light. The administrator logs on to the disk utility and sees the array is rebuilding. Which of the following should the administrator do NEXT once the rebuild is finished?

- A. Restore the server from a snapshot.
- B. Restore the server from backup.
- C. Swap the drive and initialize the disk.
- D. Swap the drive and initialize the array.

**Answer:** C

#### NEW QUESTION 8

Which of the following can be used to map a network drive to a user profile?

- A. System service
- B. Network service
- C. Login script
- D. Kickstart script

**Answer:** A

#### NEW QUESTION 9

A server administrator needs to keep a copy of an important fileshare that can be used to restore the share as quickly as possible. Which of the following is the BEST solution?

- A. Copy the fileshare to an LTO-4 tape drive
- B. Configure a new incremental backup job for the fileshare
- C. Create an additional partition and move a copy of the fileshare
- D. Create a snapshot of the fileshare

**Answer:** D

#### NEW QUESTION 10

A technician needs to provide a VM with high availability. Which of the following actions should the technician take to complete this task as efficiently as possible?

- A. Take a snapshot of the original VM
- B. Clone the original VM
- C. Convert the original VM to use dynamic disks
- D. Perform a P2V of the original VM

**Answer:** A

#### NEW QUESTION 10

A server administrator has noticed that the storage utilization on a file server is growing faster than planned. The administrator wants to ensure that, in the future, there is a more direct relationship between the number of users using the server and the amount of space that might be used. Which of the following would BEST enable this correlation?

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

**Answer:** C

#### NEW QUESTION 15

Which of the following would MOST likely be part of the user authentication process when implementing SAML across multiple applications?

- A. SSO
- B. LDAP
- C. TACACS
- D. MFA

**Answer:** A

#### NEW QUESTION 17

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 21

A server administrator has configured a web server. Which of the following does the administrator need to install to make the website trusted?

- A. PKI
- B. SSL
- C. LDAP
- D. DNS

**Answer:** A

#### NEW QUESTION 25

A server administrator is deploying a new server that has two hard drives on which to install the OS. Which of the following RAID configurations should be used to provide redundancy for the OS?

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

**Answer:** B

#### NEW QUESTION 29

Which of the following BEST describes the concept of right to downgrade?

- A. It allows for the return of a new OS license if the newer OS is not compatible with the currently installed software and is returning to the previously used OS
- B. It allows a server to run on fewer resources than what is outlined in the minimum requirements document without purchasing a license
- C. It allows for a previous version of an OS to be deployed in a test environment for each current license that is purchased
- D. It allows a previous version of an OS to be installed and covered by the same license as the newer version

**Answer:** B

#### NEW QUESTION 32

A datacenter technician is attempting to troubleshoot a server that keeps crashing. The server runs normally for approximately five minutes, but then it crashes. After restoring the server to operation, the same cycle repeats. The technician confirms none of the configurations have changed, and the load on the server is steady from power-on until the crash. Which of the following will MOST likely resolve the issue?

- A. Reseating any expansion cards in the server
- B. Replacing the failing hard drive
- C. Reinstalling the heat sink with new thermal paste
- D. Restoring the server from the latest full backup

**Answer:** C

#### NEW QUESTION 33

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 35

A DHCP server is configured to issue IP addresses. Client machines have successfully obtained an IP address. However, when testing, users are unable to browse the Internet. Which of the following might be the MOST likely cause?

- A. The DHCP server is unable to communicate with the DNS server.
- B. DNS configuration on the DHCP server is missing.
- C. The client machines are not members of the domain.
- D. The DHCP server ran out of IP addresses.

**Answer:** B

#### NEW QUESTION 36

A backup application is copying only changed files each time it runs. During a restore, however, only a single file is used. Which of the following backup methods does this describe?

- A. Open file
- B. Synthetic full
- C. Full Incremental
- D. Full differential

**Answer:** A

#### NEW QUESTION 38

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 39

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 41

Network connectivity to a server was lost when it was pulled from the rack during maintenance. Which of the following should the server administrator use to prevent this situation in the future?

- A. Cable management
- B. Rail kits
- C. A wireless connection
- D. A power distribution unit

**Answer:** A

#### NEW QUESTION 42

A technician has received multiple reports of issues with a server. The server occasionally has a BSOD, powers off unexpectedly, and has fans that run continuously. Which of the following BEST represents what the technician should investigate during troubleshooting?

- A. Firmware incompatibility
- B. CPU overheating
- C. LED indicators
- D. ESD issues

**Answer:** B

#### Explanation:

Unexpected shutdowns. If the system is randomly shutting down or rebooting, the most likely cause is a heat problem.

#### NEW QUESTION 47

A company is running an application on a file server. A security scan reports the application has a known vulnerability. Which of the following would be the company's BEST course of action?

- A. Upgrade the application package
- B. Tighten the rules on the firewall
- C. Install antivirus software
- D. Patch the server OS

Answer: D

**Explanation:**

Reference <https://www.sciencedirect.com/topics/computer-science/vulnerability-scanner>

**NEW QUESTION 49**

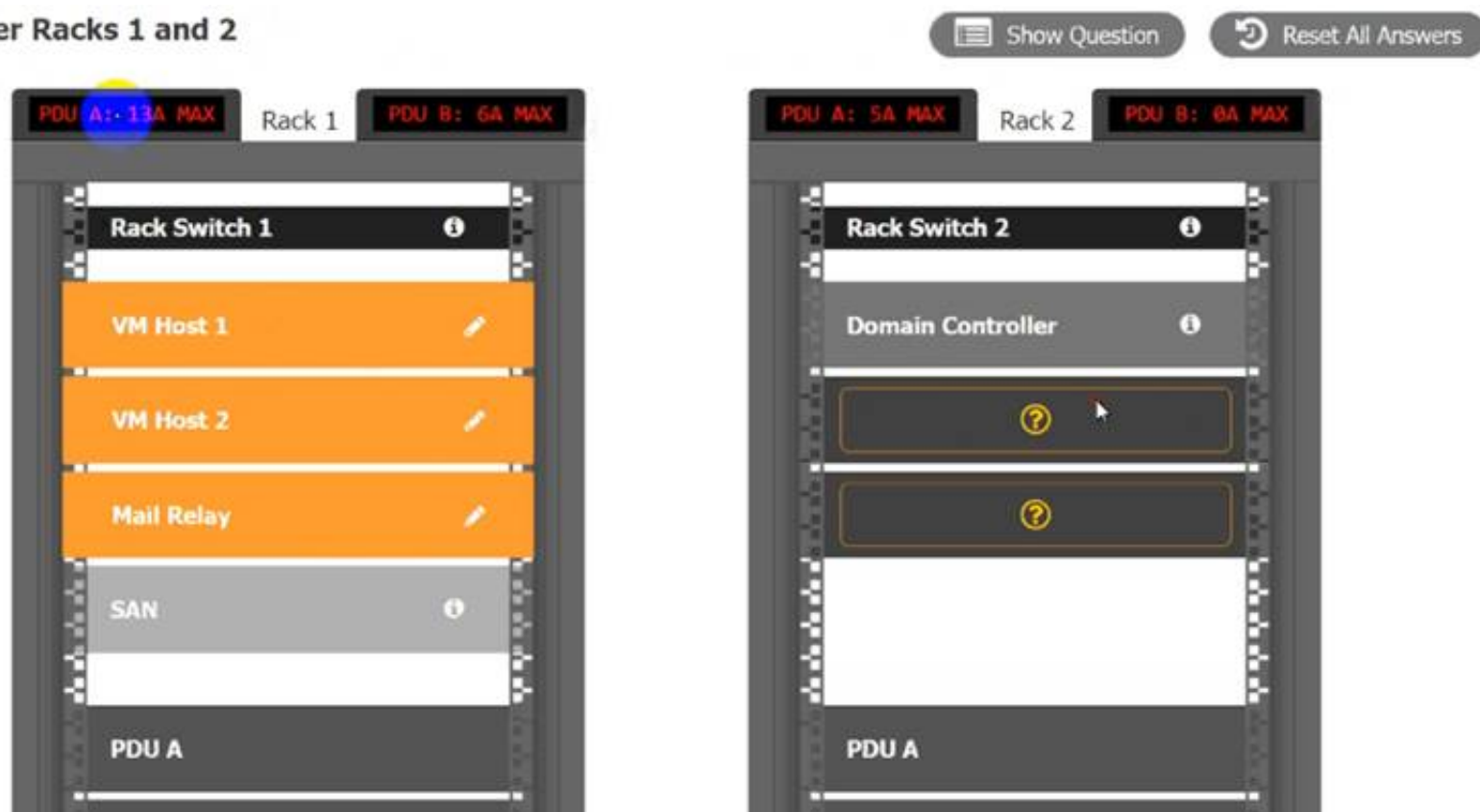
A recent power Outage caused email services to go down. A sever administrator also received alerts from the datacenter's UPS. After some investigation, the server administrator learned that each POU was rated at a maximum Of 12A.

**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**



- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Graphical user interface, application Description automatically generated

**NEW QUESTION 54**

Which of the following can be BEST described as the amount of time a company can afford to be down during recovery from an outage?

- A. SLA
- B. MTBF
- C. RTO
- D. MTTR

Answer: C

**NEW QUESTION 57**

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 61**

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 65

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 69

A server administrator is installing a new server that uses 40G0 network connectivity. The administrator needs to find the proper cables to connect the server to the switch. Which of the following connectors should the administrator use?

- A. SFP+
- B. GBIC
- C. SFP
- D. QSFP+

**Answer:** A

#### NEW QUESTION 73

After configuring IP networking on a newly commissioned server, a server administrator installs a straight-through network cable from the patch panel to the switch. The administrator then returns to the server to test network connectivity using the ping command. The partial output of the ping and ipconfig commands are displayed below:

```
ipconfig/all
```

```
IPv4 address: 192.168.1.5
Subnet mask: 255.255.255.0
Default gateway: 192.168.1.2
```

```
Pinging 192.168.1.2 with 32 bytes of data:
```

```
Reply from 192.168.1.2: Request timed out
Reply from 192.168.1.2: Request timed out
Reply from 192.168.1.2: Request timed out
Reply from 192.168.1.2: Request timed out
```

The administrator returns to the switch and notices an amber link light on the port where the server is connected. Which of the following is the MOST likely reason for the lack of network connectivity?

- A. Network port security
- B. An improper VLAN configuration
- C. A misconfigured DHCP server
- D. A misconfigured NIC on the server

**Answer:** D

#### NEW QUESTION 76

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 81

Which of the following is a type of replication in which all files are replicated, all the time?

- A. Constant
- B. Application consistent
- C. Synthetic full
- D. Full

**Answer:** A

#### NEW QUESTION 84

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 92

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 97

A snapshot is a feature that can be used in hypervisors to:

- A. roll back firmware updates.
- B. restore to a previous version.
- C. roll back application drivers.
- D. perform a backup restore.

**Answer:** D

#### Explanation:

Hypervisor-based snapshots provide a way to take an image copy of a virtual machine (VM), either to access and restore individual files, provide a rollback point to restore the VM, or to clone the VM to another virtual machine.

#### NEW QUESTION 102

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 107

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 112

A datacenter in a remote location lost power. The power has since been restored, but one of the servers has not come back online. After some investigation, the server is found to still be powered off. Which of the following is the BEST method to power on the server remotely?

- A. Crash cart



- B. Out-of-band console
- C. IP KVM
- D. RDP

**Answer:** B

#### NEW QUESTION 117

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 120

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 notic
- 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 erro
- 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 secto
- I. The drive has marked the sector as bad and will continue tofunction properly
- J. A S.M.A.R.
- K. error is an ECC erro
- L. Due to error checking and correcting, the drive has corrected the missing bit and completed the write operation correctly.

**Answer:** C

#### NEW QUESTION 124

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 127

Due to a recent application migration, a company's current storage solution does not meet the necessary requirements tor 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 131

A storage administrator is investigating an issue with a failed hard drive. A technician replaced the drive in the storage array; however, there is still an issue with the logical volume. Which of the following best describes the NEXT step that should be completed to restore the volume?

- A. Initialize the volume
- B. Format the volume
- C. Replace the volume
- D. Rebuild the volume

**Answer:** D

#### NEW QUESTION 136

A user reports that a server is not accessible. A technician sees the following message on the server: PXE server not found. Which of the following should the technician attempt FIRST to resolve the issue?

- A. Ensure the network cable is properly connected and reboot the server.
- B. Eject the disk in the CD-ROM and reboot the server.
- C. Enter the BIOS and correct the boot sequence on the server.
- D. Power down the server and reseal the PCI cards.

**Answer:** C

#### NEW QUESTION 139

Which of the following actions should a server administrator take once a new backup scheme has been configured?

- A. Overwrite the backups
- B. Clone the configuration
- C. Run a restore test
- D. Check the media integrity

**Answer:** C

#### NEW QUESTION 140

Which of the following is an example of load balancing?

- A. Round robin
- B. Active-active
- C. Active-passive
- D. Failover

**Answer:** A

#### NEW QUESTION 145

Which of the following are measures that should be taken when a data breach occurs? (Select TWO).

- A. Restore the data from backup.
- B. Disclose the incident.
- C. Disable unnecessary ports.
- D. Run an antivirus scan.
- E. Identify the exploited vulnerability.
- F. Move the data to a different location.

**Answer:** AE

#### NEW QUESTION 147

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 148

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 152

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 153

A technician is connecting a Linux server to a share on a NAS. Which of the following is the MOST appropriate native protocol to use for this task?

- A. CIFS
- B. FTP
- C. SFTP
- D. NFS

**Answer:** A

#### NEW QUESTION 157

A server administrator is using remote access to update a server. The administrator notices numerous error messages when using YUM to update the applications on a server. Which of the following should the administrator check FIRST?

- A. Network connectivity on the server
- B. LVM status on the server
- C. Disk space in the /var directory
- D. YUM dependencies

**Answer:** D

#### NEW QUESTION 159

The Chief Information Officer (CIO) of a datacenter is concerned that transmissions from the building can be detected from the outside. Which of the following would resolve this concern? (Choose two.)

- A. RFID
- B. Proximity readers
- C. Signal blocking
- D. Camouflage
- E. Reflective glass
- F. Bollards

**Answer:** AB

#### Explanation:

RFID is an acronym for “radio-frequency identification” and refers to a technology whereby digital data encoded in RFID tags or smart labels (defined below) are captured by a reader via radio waves.

Proximity readers work by constantly emitting a short range radio frequency (RF) field. When a proximity card comes within range of this field, an integrated chip within the card is powered up and the chip transmits a card number back to the reader. Not all proximity cards are born equal though, and it is important that the differences are weighed up when making a decision about which technology to adopt.

#### NEW QUESTION 160

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 162

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