

## Exam Questions SK0-005

CompTIA Server+ Certification Exam

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#### 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

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 3

A server administrator must respond to tickets within a certain amount of time. The server administrator needs to adhere to the:

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

**Answer:** D

#### NEW QUESTION 4

A very old PC is running a critical, proprietary application in MS-DOS. Administrators are concerned about the stability of this computer. Installation media has been lost, and the vendor is out of business. Which of the following would be the BEST course of action to preserve business continuity?

- A. Perform scheduled chkdsk tests.
- B. Purchase matching hardware and clone the disk.
- C. Upgrade the hard disk to SSD.
- D. Perform quarterly backups.

**Answer:** A

#### NEW QUESTION 5

A technician is working on a Linux server. The customer has reported that files in the home directory are missing. The /etc/fstab file has the following entry:

```
nfsserver:/home /home nfs defaults 0 0
```

However, a `df -h /home` command returns the following information:

```
/dev/sda2 10G 1G 9G 10% /home
```

Which of the following should the technician attempt FIRST to resolve the issue?

- A. `mkdir /home`
- B. `umount nfsserver:/home`
- C. `rmdir nfsserver:/home/dev/sda2`
- D. `mount /home`

**Answer:** B

#### NEW QUESTION 6

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 7

A server in a remote datacenter is no longer responsive. Which of the following is the BEST solution to investigate this failure?

- A. Remote desktop
- B. Access via a crash cart
- C. Out-of-band management
- D. A Secure Shell connection

**Answer:** C

#### NEW QUESTION 8

A server that recently received hardware upgrades has begun to experience random BSOD conditions. Which of the following are likely causes of the issue? (Choose two.)

- A. Faulty memory
- B. Data partition error
- C. Incorrectly seated memory
- D. Incompatible disk speed
- E. Uninitialized disk
- F. Overallocated memory

**Answer:** AC

#### NEW QUESTION 9

A server administrator is configuring the IP address on a newly provisioned server in the testing environment. The network VLANs are configured as follows:

VLAN name	VLAN ID	Gateway IP address	Active switchports
Testing	10	192.168.10.1/24	2, 4, 6, 8, 10, 12, 14, 18
Production	20	192.168.20.1/24	3, 5, 7, 9, 11, 13, 15, 17
Administration	30	192.168.30.1/24	1, 24

The administrator configures the IP address for the new server as follows:

IP address: 192.168.1.1/24

Default gateway: 192.168.10.1

A ping sent to the default gateway is not successful. Which of the following IP address/default gateway combinations should the administrator have used for the new server?

- A. IP address: 192.168.10.2/24Default gateway: 192.168.10.1
- B. IP address: 192.168.1.2/24Default gateway: 192.168.10.1
- C. IP address: 192.168.10.3/24Default gateway: 192.168.20.1
- D. IP address: 192.168.10.24/24Default gateway: 192.168.30.1

**Answer:** B

#### NEW QUESTION 10

A technician runs top on a dual-core server and notes the following conditions: top — 14:32:27, 364 days, 14 usersload average 60.5 12.4 13.6

Which of the following actions should the administrator take?

- A. Schedule a mandatory reboot of the server
- B. Wait for the load average to come back down on its own
- C. Identify the runaway process or processes
- D. Request that users log off the server

**Answer:** D

#### NEW QUESTION 10

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 13

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 15

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 16

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 18

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 23

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 27

A systems administrator is preparing to install two servers in a single rack. The administrator is concerned that having both servers in one rack will increase the chance of power issues due to the increased load. Which of the following should the administrator implement FIRST to address the issue?

- A. Separate circuits
- B. An uninterruptible power supply
- C. Increased PDU capacity
- D. Redundant power supplies

**Answer:** C

#### NEW QUESTION 32

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 36

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 40

A server technician has been asked to upload a few files from the internal web server to the internal FTP server. The technician logs in to the web server using PuTTY, but the connection to the FTP server fails. However, the FTP connection from the technician's workstation is successful. To troubleshoot the issue, the technician executes the following command on both the web server and the workstation:

```
ping ftp.acme.local
```

The IP address in the command output is different on each machine. Which of the following is the MOST likely reason for the connection failure?

- A. A misconfigured firewall
- B. A misconfigured hosts.deny file
- C. A misconfigured hosts file
- D. A misconfigured hosts.allow file

**Answer: D**

#### NEW QUESTION 45

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 50

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 52

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 53

A remote physical server is unable to communicate to the network through the available NICs, which were misconfigured. However, the server administrator is still able to configure the server remotely. Which of the following connection types is the server administrator using to access the server?

- A. Out-of-band management
- B. Crash cart access
- C. Virtual administrator console
- D. Local KVM setup
- E. RDP connection

**Answer: A**

#### NEW QUESTION 58

A recent power Outage caused email services to go down. A server 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

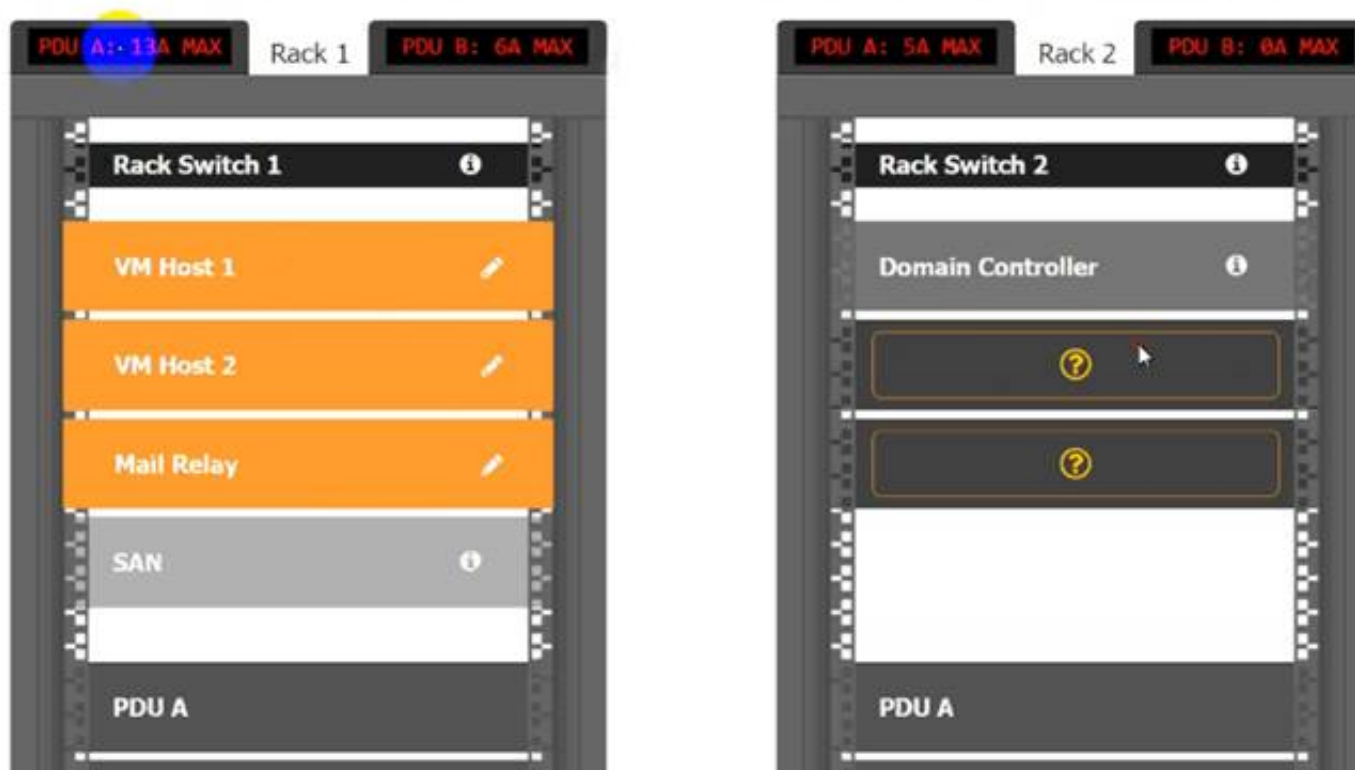
Ensure power redundancy is implemented throughout each rack and UPS alarms are resolved. Ensure the maximum potential PDU consumption does not exceed 80% or 9.6A).

- \* 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 60

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 64

A server administrator wants to run a performance monitor for optimal system utilization. Which of the following metrics can the administrator use for monitoring? (Choose two.)

- A. Memory
- B. Page file
- C. Services
- D. Application
- E. CPU
- F. Heartbeat

**Answer:** AE

### NEW QUESTION 68

Which of the following open ports should be closed to secure the server properly? (Choose two.)

- A. 21
- B. 22
- C. 23
- D. 53
- E. 443
- F. 636

**Answer:** AC

### NEW QUESTION 72

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 74

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 78

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 80

A technician recently upgraded several pieces of firmware on a server. Ever since the technician rebooted the server, it no longer communicates with the network. Which of the following should the technician do FIRST to return the server to service as soon as possible?

- A. Replace the NIC
- B. Make sure the NIC is on the HCL
- C. Reseat the NIC
- D. Downgrade the NIC firmware

**Answer: D**

#### NEW QUESTION 81

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 84

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 88

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 89

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 90

A server administrator receives a report that Ann, a new user, is unable to save a file to her home directory on a server. The administrator checks Ann's home directory permissions and discovers the following:

`dr-xr-xr-- /home/Ann`

Which of the following commands should the administrator use to resolve the issue without granting unnecessary permissions?

- A. `chmod777/home/Ann`
- B. `chmod666/home/Ann`
- C. `chmod711/home/Ann`
- D. `chmod754/home/Ann`

**Answer:** D

#### NEW QUESTION 91

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 94

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 98

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 102

Which of the following would be BEST to help protect an organization against social engineering?

- A. More complex passwords
- B. Recurring training and support
- C. Single sign-on



D. An updated code of conduct to enforce social media

**Answer:** D

#### NEW QUESTION 107

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 111

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 114

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 119

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 123

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 125

A technician is trying to determine the reason why a Linux server is not communicating on a network. The returned network configuration is as follows:

```
eth0: flags=4163<UP, BROADCAST,RUNNING,MULTICAST> mtu 1500
```

```
inet 127.0.0.1 network 255.255.0.0 broadcast 127.0.0.1
```

Which of the following BEST describes what is happening?

- A. The server is configured to use DHCP on a network that has multiple scope options
- B. The server is configured to use DHCP, but the DHCP server is sending an incorrect subnet mask
- C. The server is configured to use DHCP on a network that does not have a DHCP server
- D. The server is configured to use DHCP, but the DHCP server is sending an incorrect MTU setting

**Answer:** B

#### NEW QUESTION 128

Which of the following is typical of software licensing in the cloud?

- A. Per socket
- B. Perpetual
- C. Subscription-based
- D. Site-based

**Answer:** C

#### NEW QUESTION 131

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 132

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 134

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 135

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 137

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 141

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 143

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 145

Which of the following relates to how much data loss a company agrees to tolerate in the event of a disaster?

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

**Answer:** A

#### NEW QUESTION 148

A systems administrator is performing maintenance on 12 Windows servers that are in different racks at a large datacenter. Which of the following would allow the administrator to perform maintenance on all 12 servers without having to physically be at each server? (Choose two.)

- A. Remote desktop
- B. IP KVM
- C. A console connection
- D. A virtual administration console
- E. Remote drive access
- F. A crash cart

**Answer:** AB

#### NEW QUESTION 151

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 153

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