

## SK0-004 - CompTIA Server+

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1. A network administrator is tasked to block all outbound SSH connections on the default port from a network subnet of 10.152.8.0/21 on a Linux based firewall. Which of the following rule sets would accomplish this task?

- A. `iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 22 -j REJECT`
- B. `iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 23 -j REJECT`
- C. `iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 22 -j ACCEPT`
- D. `iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 23 -j ACCEPT`

**Answer: A**

2. A server administrator is configuring a new server for an organization. The server will function as a firewall and proxy server, as well as provide NAT services for other devices on the network. Which of the following BEST describes how the network hardware on the server should be configured?

- A. The server should have at least two NICs: one configured with an IP address on the inside network, and one with an IP address on the outside network.
- B. The server should have at least two NICs: each NIC should be configured with an IP address on the same network segment.
- C. The server requires only one NIC, as the NIC can be configured with two IP addresses: one for the inside network segment, and one for the outside network segment.
- D. The server requires at least three NICs: one configured with an IP address for the intranet clients, one with an IP address on the inside network, and one with an IP address on the outside network.

**Answer: A**

3. When looking at an organization's file server configuration, an IT manager determines that several outages are tied to a lack of redundancy in the disk controller configuration. Which of the following features would the IT manager look for in a new configuration to correct this?

- A. Disk shadowing
- B. RAID 0
- C. Remote journaling
- D. Electronic vaulting
- E. Disk duplexing

**Answer: E**

4. 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**

5. 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 segments.

**Answer: C**

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

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

**Answer: B**

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

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

**Answer: C**

8. A company is planning to replace old hardware and needs to budget accordingly. Which of the following is likely to contain a list of end of life servers?

- A. The server's warranty information.
- B. The server's life cycle schedule.
- C. The asset management database.
- D. The software licensing agreement.

**Answer: C**

9. 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**

10. A technician is troubleshooting an issue with a new server, which is unable to download OS patches from the Internet. The technician reviews the following configuration:

Ethernet Adapter Local Area Connection:

Connection-specific DNS Suffix . : comptia.org

Link-local IPv6 Address . . . . . : fe80::c95:3f59:1a01:c050%11

IPv4 Address . . . . . : 192.168.10.20

Subnet Mask . . . . . : 255.255.255.128

Default Gateway . . . . . : 192.168.10.129

Which of the following is the reason that the server is unable to connect to the Internet?

- A. Incorrect default gateway
- B. Invalid IPv6 address
- C. Wrong subnet mask

D. Misconfigured DNS suffix

**Answer: A**

11. Which of the following is the purpose of an NTP server?

- A. For hosting instant messaging applications
- B. For synchronizing clocks on network devices
- C. For file sharing and collaboration
- D. For hosting newsgroups

**Answer: B**

12. A technician would like to restrict when internal hardware components on the server are accessed. Which of the following server hardening techniques should the technician implement?

- A. Intrusion detection
- B. BIOS password
- C. Chassis lock
- D. Disable WOL

**Answer: C**

13. An administrator needs to deploy 1000 servers in a short period of time. Which of the following deployment methods will expedite the OS installations?

- A. Use disk duplicating software.
- B. Use USB disk images to deploy servers.
- C. Use a disk replicator.
- D. Use PXE boot to retrieve an image.

**Answer: D**

14. A host server in a small business environment does not have virtual switching configured.

The NIC on a guest is configured with an IP address that is on a different subnet from the host server. Which of the following would MOST likely happen in this case?

- A. The guest will not have network access to the host or network resources.

- B. The guest would have access to all network resources.
- C. The guest would have network access to everything but the host.
- D. The guest will have network access to the host server.

**Answer: A**

15. A server's runtime during power outages is too short to shut down properly. A system technician is asked to remediate the problem. Which of the following would be the result of adding additional batteries to the UPS?

- A. Increased load balancing
- B. Extended uptime
- C. Greater efficiency
- D. Increased power output

**Answer: B**

16. Which of the following default ports should be open on a server for remote administration?

- A. TCP 25
- B. TCP 389
- C. TCP 3128
- D. TCP 3389

**Answer: D**

17. 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**

18. An administrator needs to create two websites. One website must only be used by internal users and the other website must be a corporate website accessible externally by customers. Which of the following website types is needed?

- A. Extranet for users and intranet for customers
- B. Internet for users and extranet for customers
- C. Intranet for users and extranet for customers
- D. Extranet for users and extranet for customers

**Answer: C**

19. Which of the following factors would cause a technician to select a hard drive over an SSD as a primary storage medium?

- A. Speed
- B. Power consumption
- C. Form factor
- D. Cost

**Answer: D**

20. A server has been assigned a role of mail server. Which of the following services will be installed as a result of this selection?

- A. SNMP
- B. SMTP
- C. TCP
- D. DHCP
- E. SFTP

**Answer: B**

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