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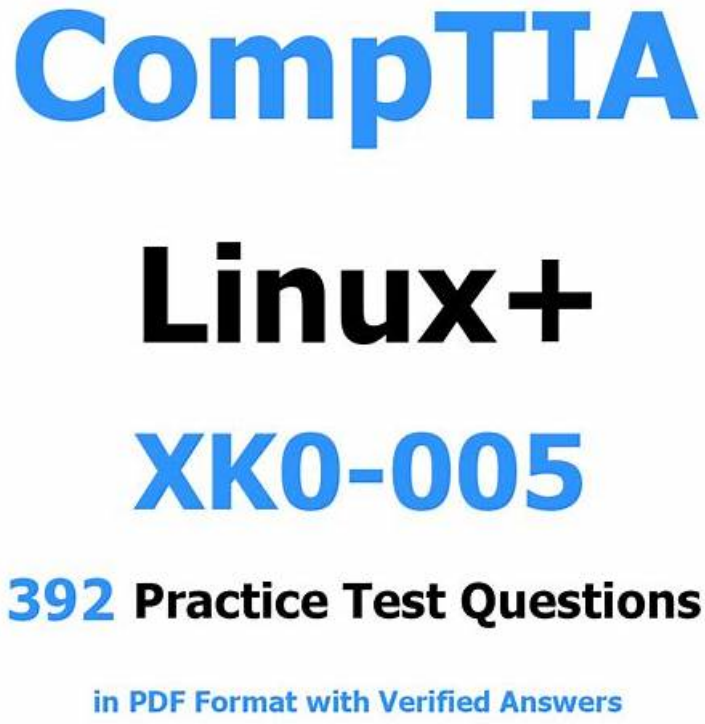

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Exams-boost is one of the leading platforms that has been helping CompTIA Linux+ Certification Exam exam candidates for many years. Over this long time period we have helped XK0-005 exam candidates in their preparation. They got help from Exams-boost XK0-005 Practice Questions and easily got success in the final CompTIA Linux+ Certification Exam certification exam. You can also trust Exams-boost XK0-005 exam dumps and start preparation with complete peace of mind and satisfaction.

The CompTIA Linux+ Certification Exam certification exam is suitable for entry-level and experienced Linux system administrators, network administrators, and security professionals who want to validate their knowledge and skills in Linux administration. It is also ideal for individuals who are seeking to transition into the IT industry and want to pursue a career in Linux system administration.

There are no formal prerequisites for the CompTIA XK0-005 Certification Exam. However, CompTIA recommends that candidates have at least 12 months of experience in Linux system administration before taking the exam. Candidates should also have a basic understanding of Linux commands, editors, and shell scripting. A good understanding of networking concepts and protocols is also recommended.

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CompTIA Linux+ Certification Exam Sample Questions (Q155-Q160):

NEW QUESTION # 155
A Linux administrator is installing a web server and needs to check whether web traffic has already been allowed through the firewall. Which of the following commands should the administrator use to accomplish this task?

- A. firewall-cmd --query-service http
- B. firewalld query-service-http
- C. firewalld --check-service http
- D. firewall-cmd --check-service http

Answer: A

Explanation:
Explanation
The command firewall-cmd --query-service http will accomplish the task of checking whether web traffic has already been allowed through the firewall. The firewall-cmd command is a tool for managing firewalld, which is a firewall service that provides dynamic and persistent network security on Linux systems. The firewalld uses zones and services to define the rules and policies for the network traffic. The zones are logical groups of network interfaces and sources that have the same level of trust and security. The services are predefined sets of ports and protocols that are associated with certain applications or functions. The --query-service http option queries whether a service is enabled in a zone. The http is the name of the service that the command should check. The http service represents the web traffic that uses the port 80 and the TCP protocol.
The command firewall-cmd --query-service http will check whether the http service is enabled in the default zone, which is usually the public zone. The command will return yes if the web traffic has already been allowed through the firewall, or no if the web traffic has not been allowed through the firewall. This is the correct command to use to accomplish the task. The other options are incorrect because they either do not exist (firewalld query-service-http or firewalld --check-service http) or do not query the service (firewall-cmd
--check-service http instead of firewall-cmd --query-service http). References: CompTIA Linux+ (XK0-005) Certification Study Guide, Chapter 12: Managing Network Connections, page 392.

NEW QUESTION # 156
A systems administrator is receiving tickets from users who cannot reach the application app that should be listening on port 9443/tcp on a Linux server.
To troubleshoot the issue, the systems administrator runs netstat and receives the following output:

```
# netstat -anp | grep appd | grep -w LISTEN
tcp 0 0 127.0.0.1:9443 0.0.0.0:* LISTEN 1234/appd
```

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Based on the information above, which of the following is causing the issue?

- A. The application is not running.
- B. The application is listening on the loopback interface.
- C. The IP address 0.0.0.0 is not valid.
- D. The application is listening on port 1234.

Answer: B

NEW QUESTION # 157
A Linux user reported the following error after trying to connect to the system remotely:
ssh: connect to host 10.0.1.10 port 22: Resource temporarily unavailable The Linux systems administrator executed the following commands in the Linux system while trying to diagnose this issue:

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Which of the following commands will resolve this issue?

- A. firewall-cmd --zone=public --permanent --add-service=ssh
- B. firewall-cmd --zone=public --permanent --add-service=22
- C. systemctl enable firewalld; systemctl restart firewalld
- D. firewall-cmd --zone=public --permanent --add-port=22/udp

Answer: A

Explanation:
The firewall-cmd --zone=public --permanent --add-service=ssh command will resolve the issue by allowing SSH connections on port 22 in the public zone of the firewalld service. This command will add the ssh service to the permanent configuration of the public zone, which means it will persist after a reboot or a reload of the firewalld service. The firewall-cmd --zone=public --permanent --add-service=22 command is invalid, as 22 is not a valid service name. The systemctl enable firewalld; systemctl restart firewalld command will enable and restart the firewalld service, but it will not change the firewall rules. The firewall-cmd --zone=public --permanent --add-port=22/udp command will allow UDP traffic on port 22 in the public zone, but SSH uses TCP, not UDP.
References: CompTIA Linux+ (XK0-005) Certification Study Guide, Chapter 18: Securing Linux Systems, page 543.

NEW QUESTION # 158
A Linux system is getting an error indicating the root filesystem is full. Which of the following commands should be used by the systems administrator to resolve this issue? (Choose three.)

- A. fdisk -1 /dev/sdb
- B. vgextend /dev/rootvg /dev/sdb
- C. lsblk /dev/sda
- D. lvresize -L +10G -r /dev/mapper/rootvg-rootlv
- E. pvcreate /dev/sdb
- F. df -h /
- G. growpart /dev/mapper/rootvg-rootlv
- H. parted -1 /dev/mapper/rootvg-rootlv

Answer: D,F,G

Explanation:
The administrator should use the following three commands to resolve the issue of the root filesystem being full:
* df -h /. This command will show the disk usage of the root filesystem in a human-readable format.
The df command is a tool for reporting file system disk space usage. The -h option displays the sizes in powers of 1024 (e.g., 1K, 234M, 2G). The / specifies the root filesystem. The command df -h / will show the total size, used space, available space, and percentage of the root filesystem. This command will help the administrator identify the problem and plan the solution.
* growpart /dev/mapper/rootvg-rootlv. This command will grow the partition that contains the root filesystem to the maximum size available. The growpart command is a tool for resizing partitions on Linux systems. The /dev/mapper/rootvg-rootlv is the device

name of the partition, which is a logical volume managed by the Logical Volume Manager (LVM). The command growpart /dev/mapper/rootvg- rootlv will extend the partition to fill the disk space and increase the size of the root filesystem. This command will help the administrator solve the problem and free up space.
* lvresize -L +10G -r /dev/mapper/rootvg-rootlv. This command will resize the logical volume that contains the root filesystem and add 10 GB of space. The lvresize command is a tool for resizing logical volumes on Linux systems. The -L option specifies the new size of the logical volume, in this case
+10G, which means 10 GB more than the current size. The -r option resizes the underlying file system as well. The /dev/mapper/rootvg-rootlv is the device name of the logical volume, which is the same as the partition name. The command lvresize -L +10G -r /dev/mapper/rootvg-rootlv will increase the size of the logical volume and the root filesystem by 10 GB and free up space. This command will help the administrator solve the problem and free up space.
The other options are incorrect because they either do not affect the root filesystem (fdisk -1 /dev /sdb, pvcreate /dev/sdb, lsblk /dev/sda, or vgextend /dev/rootvg /dev/sdb) or do not use the correct syntax (fdisk -1 /dev/sdb instead of fdisk -l /dev/sdb or parted -l /dev/mapper/rootvg-rootlv instead of parted /dev /mapper/rootvg-rootlv print). References: CompTIA Linux+ (XK0-005) Certification Study Guide, Chapter 10: Managing Storage, pages 318-319, 331-332.

NEW QUESTION # 159
A Linux administrator built a GitLab server. Later that day, a software engineer tried to access the server to upload the repository during the final step of installation.
The software engineer could not access the website.
Which of the following firewall rules would allow access to this site?

- A. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack -cstate NEW, ESTABLISHED -j REJECT
- B. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack -cstate RELATED, ESTABLISHED -j ACCEPT
- C. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack -cstate NEW, ESTABLISHED -j ACCEPT
- D. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack -cstate ESTABLISHED -j ACCEPT

Answer: C

Explanation:
https://www.digitalocean.com/community/tutorials/iptables-essentials-common-firewall-rules-and-commands

NEW QUESTION # 160
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