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Pass For sure Certification Exam Guide and Exam Dumps - TestKingFree

**Exam** : **XK0-004**

**Title** : **CompTIA Linux+ Certification Exam**

**Vendor** : **CompTIA**

**Version** : **DEMO**

**NO.1** A junior Linux administrator is trying to verify connectivity to the remote host host1 and display round-trip statistics for ten ICMP.

Which of the following commands should the administrator execute?

- A. ping -c 10 host1
- B. netstat host1
- C. traceroute -c 10 host1
- D. pathping -c 10 host1

**Answer:** A

**NO.2** A technician reviews the following output:

```

Device      Boot  Start        End      Sectors  Size  Id  Type
/dev/sda1   *      2048        121634815  121632768  58G   83  Linux
/dev/sda2                121636862    125827071  4190210    2G    5  Extended
/dev/sda5                121636864    125827071  4190208    2G    82  Linux swap / Solaris

          total  used  free  shared  buff/cache  available
mem:    2052060 1545312 66676  33508   440072    305308
swap:    0         0         0

```

Which of the following commands should the technical execute to ensure the system has the appropriate paging? (Select TWO.)

- A. Free -m/dev/sda
- B. Mkfs,ext3 /dev/sda5
- C. dd if=/dev/sda5 of=/tmp bs=512
- D. Lostat/dev/sda 5
- E. swapon /dev/sda5
- F. Mkswap/dev/sda5

**Answer:** E,F

**NO.3** A systems administrator wants to disable the isofs module on the server.

Which of the following will allow the administrator to check if the isofs module is currently in use?

- A. modprobe
- B. lsmod
- C. insmod
- D. rmmod

**Answer:** A

**NO.4** An administrator receives an alarm because the disk of one of the sewers is running out of space. Which of the following commands can be used to see the space that each partition is using?

- A. fdisk -l
- B. df -h
- C. du -scg /
- D. fsck /

**Answer:** B

**NO.5** Joe, a user, creates a short shell script, shortscript.sh, and saves it in his home directory with default permissions and paths. He then attempts to run the script by typing ./shortscript.sh, but the command fails to execute.

Which of the following commands would have allowed the script to run?

- A. chgrp shortscript.sh Joe
- B. chmod u+x shortscript.sh
- C. chmod 155 ~/shortscript.sh
- D. source ./shortscript.sh

**Answer:** B

**NO.6** A Linux administrator has downloaded the network-tools-12.1-17.i386.rpm package for installation to a local system. The administrator issues the rpm -ivh network-cools-12.1-17.i386.rpm command to install the package. After attempting to use the newly installed package, the administrator realizes the package for the system's architecture was not installed correctly. Which of the following commands should the administrator use to remove the package from the system?

- A. rpm -r network-tools
- B. rpm -e network-tools
- C. rpm -U network-tools-12.1-17.i386.rpm
- D. rpm -ivh network-tools-12.1-17.i686.rpm

**Answer:** B

**NO.7** An administrator needs to create a file named hello in the home directory that contains the following text:

it's me!

Which of the following commands would accomplish this goal?

- A. mv ~/hello  
cp "it's me!" > ~/hello
- B. touch ~/hello  
echo "it's me!" > ~/hello
- C. mkdir ~/hello  
touch ~/"it's me!"
- D. type ~/hello  
print "it's me!"

**Answer:** C

**NO.8** An administrator needs to mount the shared NFS file system testhost:/testvolume to mount point /mnt/testvol and make the mount persistent after reboot.

Which of the following BEST demonstrates the commands necessary to accomplish this task?

- A. /root/anaconda-ks.cfg
- B. /etc/sysconfig/installation.cfg
- C. /etc/sysconfig/anaconda/cfg
- D. /root/anaconda.auto

**Answer:** A

**NO.9** A user wants to use terminal services from a Windows workstation to manage a Linux server. Which of the following should be installed on the Linux server to enable this functionality?

- A. SPICE
- B. VNC
- C. XRDP
- D. rdesktop

**Answer:** D

**NO.10** A systems administration team has decided to their systems as immutable instances. They keep the desired state of each of their systems in version control and apply automation whenever they provision a new instance. If there is an issue with one of their servers, instead of troubleshooting the issue they terminate the instance and rebuild it using automation. Which of the following is this an example of?

- A. Inventory
- B. Agentless deployment
- C. Orchestration
- D. Infrastructure as code

**Answer:** D

**NO.11** A technical support engineer receives a ticket from a user who is trying to create a 1KB file in the /tmp directory and is getting the following error No space left on device. The support engineer checks the /tmp directory, and it has 20GB of free space.

Which of the following BEST describes a possible cause for this error?

- A. The /tmp directory is not mounted.
- B. the filesystem ran out of inodes.
- C. The filesystem is formatted with a 4MB block size.
- D. The /tmp directory has been set with an immutable attribute.

**Answer:** B

**NO.12** A developer has contacted a systems administrator because an application is not receiving a response from the client. The application must purge the message queue before terminating. Which of the following should the systems administrator perform in order to BEST address the issue?

- A. Send the SIGSTOP signal with the kill command.
- B. Send the SIGTERM signal with the kill command.
- C. Send the signal with the command.
- D. Send the SIGHUP signal with the kill command.

**Answer:** A

**NO.13** An administrator has modified the configuration file for a service. The service is still running but is not using the new configured values. Which of the following will BEST remediate this issue?

- A. kill -HUP
- B. renice -10
- C. service start

D. init 0

**Answer:** A

**NO.14** An administrator needs to change the IP address on a server remotely. After updating the configuration files, a network restart is needed. However, the administrator fears that when the network connection drops, the network restart script will be killed before the new IP address has been set.

Which of the following commands would prevent the script from being killed?

A. nohup service network restart

B. echo "service network restart" | at now

C. dg service network restart

D. service network restart &

**Answer:** A

**NO.15** The ability to add web servers dynamically during peak user activity and remove them when user activity decreases is an example of:

A. inventory management

B. build automation

C. infrastructure automation

D. configuration automation

**Answer:** D

**NO.16** A Linux storage administrator wants to create a logical volume group. Which of the following commands is required to start the process?

A. lvcreate

B. mkfs.xfs

C. pvcreate

D. vgcreate

**Answer:** D

**NO.17** A Linux administrator is restoring the SELinux contexts on an entire system. Which of the following commands is the BEST option to complete this task?

A. touch /.autorelabel && reboot

B. restorecon / && reboot

C. setenforce 0 && reboot

D. setfacl -bR / && reboot

**Answer:** B

Reference:

[selinux\\_users\\_and\\_administrators\\_guide/sect-security-enhanced\\_linux-working\\_with\\_selinuxselinux\\_contexts\\_labeling\\_files](https://selinuxusersandadministrators.guide/sect-security-enhanced_linux-working_with_selinuxselinux_contexts_labeling_files)

**NO.18** A Linux administrator tries to ping a hostname in a network but receives the message: hostname not found. The administrator is sure the name exists on the network and wants to verify if the DNS server is correctly configured on the client. Which of the following files should the

administrator use to verify this information?

- A. /etc/nsswitch.conf
- B. /etc/network
- C. /etc/named.conf
- D. /etc/resolv.conf

**Answer:** D

**NO.19** A company wants to provide internal identity verification services for networked devices. Which of the following servers should be installed?

- A. VPN
- B. SSH
- C. DHCP
- D. CA
- E. DNS

**Answer:** D

**NO.20** A systems administrator needs to allow the Linux server to receive HTTP connections from Internet hosts. By default, the port for HTTP connections is blocked. Which of the following rules should be added in the firewall to allow this type of connection?

- A. firewall-cmd --zone=internal --add-port=80/tcp --permanent
- B. firewall-cmd --zone=public --add-port=443/tcp --permanent
- C. firewall-cmd --zone=internal --add-port=443/tcp --permanent
- D. firewall-cmd --zone=public --add-port=80/tcp --permanent

**Answer:** D

**NO.21** A junior system administrator had trouble installing and running an Apache web server on a Linux server. You have been tasked with installing the Apache web server on the Linux server and resolving the issue that prevented the junior administrator from running Apache.

INSTRUCTIONS

Install Apache and start the service. Verify that the Apache service is running with the defaults.

Typing "help" in the terminal will show a list of relevant commands.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

CentOS Command Prompt

```
[root@centos7]#
```

**Answer:**

```
[root@tecmint ~]#
[root@tecmint ~]# yum install httpd
Loaded plugins: fastestmirror, refresh-packagekit
Setting up Install Process
Loading mirror speeds from cached hostfile
 * base: centos.excellmedia.net
 * epel: epel.scopesky.iq
 * extras: centos.excellmedia.net
 * updates: centos-hn.viettelidc.com.vn
Resolving Dependencies
There are unfinished transactions remaining. You might consider running yum-complete-transaction first to finish them.

[root@tecmint ~]#
[root@tecmint ~]# systemctl start httpd
[root@tecmint ~]#
[root@tecmint ~]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service
[root@tecmint ~]#
[root@tecmint ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
   Active: active (running) since Tue 2017-06-27 06:51:35 EDT; 14s ago
     Docs: man:httpd(8)
           man:apachectl(8)
  Main PID: 17981 (httpd)
   Status: "Total requests: 0; Current requests/sec: 0; Current traffic: 0 B/sec"
    CGroup: /system.slice/httpd.service
            └─17981 /usr/sbin/httpd -DFOREGROUND
              └─17982 /usr/sbin/httpd -DFOREGROUND
                └─17983 /usr/sbin/httpd -DFOREGROUND
                  └─17984 /usr/sbin/httpd -DFOREGROUND
                    └─17985 /usr/sbin/httpd -DFOREGROUND
                      └─17986 /usr/sbin/httpd -DFOREGROUND

Jun 27 06:51:35 tecmint systemd[1]: Starting The Apache HTTP Server...
Jun 27 06:51:35 tecmint httpd[17981]: AH00558: httpd: Could not reliably determine the server's fully qualified domain name, please see the httpd.conf file's #Listen 1.2.3.4:80 entry, # commented out by default on Ubuntu systems.
Jun 27 06:51:35 tecmint systemd[1]: Started The Apache HTTP Server.
[root@tecmint ~]#
```

**NO.22** A Linux administrator recently reprovisioned a new corporate web server to replace a legacy one. To minimize the impact on the company's users, the administrator modified the network and DNS settings of the new server to be the same as the legacy server.

When attempting to log in to the new server remotely over SSH, the following error message is displayed:

WARNING: REMOTE HOST IDENTIFICATION HAS CHANGED!

Which of the following should the administrator do to resolve the issue?

- A. Update the /etc/hosts file on the remote server and local machine.
- B. Remove the entry for the web server from the known\_hosts file on the local machine.
- C. Add the administrator's public key to the authorized\_keys on the remote server.
- D. Restart the network services on both the remote server and the local machine.

**Answer:** C

**NO.23** A systems administrator documents the instructions on the internal wiki regarding how to turn the company's code into Debian packages. The instructions include the commands used to compile, what tests need to be run, the commands to convert the raw code into a package that apt or dpkg can manage, as well as an of each command.

Which of the following is this an example of?

- A. Attributes
- B. Infrastructure as code
- C. Procedures
- D. Configuration management

**Answer:** C

**NO.24** A Linux administrator needs to know the MAC address of the server's gateway.

Which of the following commands should the administrator run to obtain this information?

- A. arp -gw
- B. arp -gwi
- C. arp -a
- D. arp -gtw

**Answer:** C

Explanation:

<https://osqa-ask.wireshark.org/questions/31505/how-to-find-mac-address-of-default-gateway/>

**NO.25** Vtyvcft of the following a a fie that can define how to build deploy and mstaf various components for a Linux application hosted m a cloud environment?

- A. Virsh
- B. YAML
- C. VMM
- D. OVF

**Answer:** B

**NO.26** A Linux administrator needs every new file created on a directory to maintain the group permissions of the same directory. Which of the following commands would satisfy this requirement?

- A. chmod g+s <directory>
- B. chmod +s <directory>
- C. chmod o+s <directory>

D. `chmod u+s <directory>`

**Answer:** A

**NO.27** A Linux system is running normally when the systems administrator receives an alert that one application spawned many processes. The application is consuming a lot of memory, and it will soon cause the machine to become unresponsive. Which of the following commands will stop each application process?

A. `kill 'pidof application'`

B. `pkill -9 application`

C. `killall application`

D. `kill -9 'ps -aux | grep application'`

**Answer:** C

**NO.28** A Linux team is using Git to version a set of custom scripts. A team member has made an update to a script and published the changes to the repository.

Which of the following is the BEST way to retrieve the latest changes to the administrator's local working copy?

A. `git merge`

B. `git pull`

C. `git fetch`

D. `git commit`

**Answer:** B

**NO.29** A configuration management tool running every minute is enforcing the service HTTPd to be started. To perform maintenance, which of the following series of commands can be used to prevent the service from being started?

A. `systemctl stop httpd && systemctl mask httpd`

B. `systemctl stop httpd && systemctl hide httpd`

C. `systemctl disable httpd && systemctl hide httpd`

D. `systemctl disable httpd && systemctl mask httpd`

**Answer:** A

**NO.30** Given the output below:

```
[root@appserver ~]# rm config.txt
rm: remove regular file 'config.txt'? yes
rm: cannot remove 'config.txt': Operation not permitted
```

Which of the following might be the cause?

A. The file `config.txt` has the immutable attribute set.

B. The file `config.txt` does not exist.

C. The file `config.txt` does not have the user write bit set.

D. The file `config.txt` has an ACL that does not permit deletion by others.

**Answer:** C