

117-201^{Q&As}

Linux Advanced Administration

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QUESTION 1

It is possible to configure kernel parameters at runtime (e.g. the maximum size of the shared memory segment (shmmax)). In which TWO ways can this be changed to 2GB (2147483648 Bytes) on a running system?

- A. Edit /etc/shmmax and set the parameter to 2147483648.
- B. sysctl shmmax=2147483648.
- C. sysctl kernel.shmmax=2147483648
- D. echo 2147483648 > /proc/sys/kernel/shmmax
- E. export kernel.shmmax=2147483648

Correct Answer: CD

QUESTION 2

You find that a host (192.168.1.4) being used on one of your client's networks has been compromised with a backdoor program listening on port 31337. Your client requests a list of originating IP addresses connecting to that port. Using a Linux workstation as traffic analyzer, which of the following commands would gather the data requested by the client?

- A. tcpdump host 192.168.1.4 and port 31337 -w out
- B. nmap host 192.168..4:3337
- C. arpswatch -n 192.168..4/32 -p 3337 > capture
- D. pcap -d 192.168.1.4:13337
- E. ipwatch --syn 192.168..4 -p 3337 -- log=out

Correct Answer: A

QUESTION 3

Which of the following commands can be used to access the content of a ramdisk file (/boot/initrd) used by the kernel at boot time?

- A. mount /boot/initrd /mnt/ -o loop; cat /mnt
- B. mkinitrd -d /boot/initrd; mount /boot/initrd /mnt/ -o loop
- C. cp /boot/initrd /tmp/initrd.gz; mount /tmp/initrd /mnt/ -o loop
- D. cp /boot/initrd /tmp/initrd.gz; gunzip initrd.gz; mount /tmp/initrd /mnt/ -o loop
- E. cp /boot/initrd /tmp/initrd.gz; gunzip initrd.gz; mount /tmp/initrd /mnt/

Correct Answer: D

QUESTION 4

Configuration of X is complete and now the default runlevel can be changed from runlevel 3 to runlevel 5. In which of the following configuration files should this be done?

Correct Answer: `etc/fstab`

QUESTION 5

In order to generate a pair of asymmetric keys to use during an SSH connection, please choose the correct command to use?

- A. `ssh-keygen -t dsa`
- B. `ssh-agent`
- C. `sshd`
- D. `ssh-agent -t dsa`
- E. `ssh-keyscan-tdsa`

Correct Answer: A

QUESTION 6

Which `chkconfig` command will display whether or not the service `ldap` is configured to start in each runlevel?

(Provide the command and any options or parameters)

Correct Answer: `chkconfig --list ldap`

QUESTION 7

Which RAID level provides the most redundancy?

- A. RAID4
- B. RAID5
- C. RAID1
- D. RAID0

Correct Answer: C

QUESTION 8

Which of the following commands will securely copy the directory ./fyf/ to /var/tmp/ on the remote host deltaur using the remote user account kevin?

- A. rsync -a -e ssh kevin@deltaur:/var/tmp/ fyf/
- B. rsync -a -u kevin -e ssh fyf/ deltaur:/var/tmp/
- C. rsync -a -u kevin -e ssh deltaur:/var/tmp/ fyf/
- D. rsync -a -e ssh fyf/ kevin@deltaur:/var/tmp/

Correct Answer: D

QUESTION 9

Which command would you use to apply a diff file to an original?

- A. patch > diff-file
- B. patch
- C. patch > kernel
- E. cat diff-file