



1Z0-460^{Q&As}

Oracle Linux 6 Implementation Essentials

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QUESTION 1

View the exhibit.

```
# grub.conf generated by anaconda
#
# Note that you do not have to rerun grub after making changes to this file
# NOTICE: You have a /boot partition. This means that
#           all kernel and initrd paths are relative to /boot/, eg.
#           root (hd0,0)
#           kernel /vmlinuz-version ro root=/dev/mapper/vg_dbhost-lv_root
#           initrd /initrd-[generic-]version.img
#boot=/dev/sda
default=0
timeout=8
splashimage=(hd0,0)/grub/splash.xpm.gz
hiddenmenu
title Oracle Linux Server (2.6.39-100.5.1.el6uek.x86_64)
    root (hd0,0)
    kernel /vmlinuz-2.6.39-100.5.1.el6uek.x86_64 root=/dev/mapper/vg_dbhost-
lv_root ro rd_NO_LUKS LANG=en_US.UTF-8 rd_NO_MD quiet SYSFONT=latacyrheb-sun16
rd_LVM_LV=vg_dbhost/lv_swap rhgb KEYBOARDTYPE=pc KEYTABLE=us rd_LVM_LV=vg_dbhost
/lv_root rd_NO_DM numa=off
    initrd /initramfs-2.6.39-100.5.1.el6uek.x86_64.img
title Oracle Linux Server (2.6.32-300.11.1.el6uek.x86_64)
    root (hd0,0)
    kernel /vmlinuz-2.6.32-300.11.1.el6uek.x86_64 ro root=/dev/mapper/vg_dbh
ost-lv_root rd_NO_LUKS LANG=en_US.UTF-8 rd_NO_MD quiet SYSFONT=latacyrheb-sun16
rd_LVM_LV=vg_dbhost/lv_swap rhgb KEYBOARDTYPE=pc KEYTABLE=us rd_LVM_LV=vg_dbh
ost-lv_root rd_NO_DM numa=off
```

Examine the grub.conf file snippet in the Exhibit. Which statement is true if your Linux system boots by using this grub.conf file?

- A. GRUB will boot, by default, the first kernel entry of this grub.conf file.
- B. GRUB will prompt you to select the kernel to be booted because the default parameter is set to 0.
- C. GRUB will boot the kernel specified in the inittab file of the system.
- D. GRUB will boot, by default, the second kernel entry of this grub.conf file.

Correct Answer: A

According the grub .conf file you have got 8 seconds to choose whether to boot the first entry.

Now if you want to change, and let say you want the second grub entry as booting system by default, just change the line: default=0 by default=1

QUESTION 2

View the exhibits.



```
[root@dbhost ~]# sar -u 2 5
Linux 2.6.39-100.5.1.el6uek.x86_64
x86_64 (1 CPU)

04:43:21 PM    CPU    %user    %nice    %system    %iowait    %steal    %idle
04:43:23 PM    all     36.82     0.00     50.25     0.00     0.00    12.94
04:43:25 PM    all     34.67     0.00     50.25     0.00     0.00    15.08
04:43:27 PM    all     33.50     0.00     52.00     0.00     0.00    14.50
04:43:29 PM    all     32.16     0.00     52.26     0.00     0.00    15.58
04:43:31 PM    all     31.16     0.00     50.25     0.00     0.00    18.59
Average:      all     33.67     0.00     51.00     0.00     0.00    15.33
[root@dbhost ~]#
```

```
top - 16:39:07 up 1 day, 2:34, 2 users, load average: 1.41, 0.64, 0.33
Tasks: 140 total, 2 running, 138 sleeping, 0 stopped, 0 zombie
Cpu(s): 36.0%us, 50.7%sy, 0.0%ni, 13.3%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 2056568k total, 1635148k used, 421420k free, 41452k buffers
Swap: 4128764k total, 0k used, 4128764k free, 567176k cached

  PID USER      PR  NI  VIRT  RES  SHR  S  %CPU  %MEM    TIME+  COMMAND
 5125 root        20   0 1886m 575m 22m  R  73.4  28.6   94:17.31 npviewer.bin
 1942 root        20   0  150m  45m  11m  S   6.0   2.2    2:48.36 Xorg
 2326 root         9  -11 495m 5044 3540  S   3.0   0.2   37:44.45 pulseaudio
 5059 root        20   0  879m 171m  29m  S   2.7   8.5   10:27.23 firefox
 5113 root        20   0  318m  14m 8368  S   2.0   0.7    7:06.51 plugin-containe
    1 root        20   0 19376 1508 1212  S   0.0   0.1    0:00.62 init
    2 root        20   0     0     0     0  S   0.0   0.0    0:00.00 kthreadd
    3 root        20   0     0     0     0  S   0.0   0.0    0:03.91 ksoftirqd/0
    5 root        20   0     0     0     0  S   0.0   0.0    0:00.00 kworker/u:0
    6 root        RT   0     0     0     0  S   0.0   0.0    0:00.00 migration/0
    7 root        RT   0     0     0     0  S   0.0   0.0    0:01.25 watchdog/0
    8 root         0  -20     0     0     0  S   0.0   0.0    0:00.00 cpuset
```

Examine the output of sar command and the top command in the Exhibits. Which statement is the correct interpretation of this data?

- A. The system is running low on swap space and memory.
- B. CPU is Idle and the system has plenty of free memory available.
- C. The CPU utilization is high and one process is using most of the CPU.
- D. The system is idle with very little memory, CPU, and I/O utilization.

Correct Answer: C

From the top exhibit we see that npviewer.gin uses 73.4% of the available CPU.

Note:

*

sar - Collect, report, or save system activity information.

*

The sar command writes to standard output the contents of selected cumulative activity counters in the operating system. The accounting system, based on the values in the count and interval parameters,



writes information the specified number of times spaced at the specified intervals in seconds.

*

`sar u 2 5`

Report CPU utilization for each 2 seconds. 5 lines are displayed.

QUESTION 3

Which file system is both new and now installed by default in Oracle Linux 6 with Unbreakable Enterprise Kernel (UEK)?

- A. ext4
- B. ext3
- C. zfs
- D. ext2
- E. fat64

Correct Answer: A

Oracle Linux 6 includes many new features, including:

ext4 filesystem

The ext4 filesystem is installed by default.

QUESTION 4

Which three statements are true about the Kickstart installation method?

- A. The Kickstart installation method helps to speed boot time after the system restarts.
- B. A Kickstart file is created for every installation.
- C. The Kickstart Configurator can be used to create or make changes to a kickstart file.
- D. The Kickstart method allows for unattended and more standardized installations.
- E. The Kickstart method of configuration is performed after the installation of the host operating system.

Correct Answer: BCD

BC:

* A kickstart installation requires a kickstart file that contains the answers to every question asked during an interactive installation. Kickstart files can be created in one of three ways:

/ Perform an interactive installation. Once complete you will find the Kickstart configuration file for the



installation you just completed in the "/root/anaconda-ks.cfg" file. This can be amended and used for subsequent installations. (B)

/ Create a Kickstart file in a text editor manually, or based on a copy of a previous file.

/ Use the Kickstart Configurator. (C)

D:

* Kickstart installations provide an automated alternative to the normal interactive installations of RHEL and Oracle Linux. The automation of installation and post installation configuration steps represents a considerable time saving in situations where many similar installations are performed.

Reference: Kickstart - Automated Installations of RHEL and Oracle Linux

QUESTION 5

What does the following line in the modprobe.conf file indicate? options netconsole netconsole = 6666@192.168.1.200/eth0, 514@192.168.1.100/00:0C:A3:35:9C

- A. Netconsole logging is set up to send messages to a server at the IP address 192.168.1.200 by using the eth0 device.
- B. Netconsole logging is set up to send messages to a server at the IP address 192.168.1.200 by using the port number 6666.
- C. Netconsole logging is set up to send messages to a server at IP address 192.168.1.200 by using the UDP port 514.
- D. Netconsole logging is set up for two clients with IP addresses of 192.168.1.200 and 192.168.1.100 on this server.

Correct Answer: B

Example: options netconsole netconsole=6666@10.0.0.1/eth0,514@10.0.0.2/00:1A:A0:D2:55:66

6666 => Server source port

10.0.0.1 => Server IP eth0 => Server NIC 514 => Client listening port

10.0.0.2 => Client IP 00:1A:A0:D2:55:66 => Client MAC

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