201-450 Dumps

LPIC-2 Exam 201 Part 1 of 2 version 4.5

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NEW QUESTION 1
In the following output from top, which processes contribute to the percentage of time that the CPU spends in the state of wa?
Tasks: 193 total, 1 running, 190 sleeping, 2 stopped, 0 zombie
Cpu(s): 0.5%us, 0.3%sy, 0.0%ni, 98.2%id, 1.0%wa, 0.0%hi, 0.0%si, 0.0%st

A. Processes waiting for user interaction.
B. Processes that were already closed and are waiting to be launched again.
C. Processes that have not been scheduled yet because they haven't been fully loaded into RAM or are in swap.
D. Processes waiting for IO operations to complete.

Answer: D

NEW QUESTION 2
When is historical data of resource usage important? (Select THREE correct answers.)

A. Predicting when resources will need to be increased.
B. Selecting a computer vendor.
C. Identifying processes killed during out of memory occurrences.
D. Diagnosing capacity problems.
E. Troubleshooting a software problem.

Answer: ADE

NEW QUESTION 3
Which of the following is a side effect of extensive usage of swap space?

A. The root filesystem may become full because swap space is always located on the system root partition.
B. The overall system performance may degrade because of heavy hard disk use and memory reorganization.
C. Since processes always exist completely in either RAM or swap, regular RAM may become unused if the kernel does not move processes back from the swap space to memory.
D. The memory may become fragmented and slow down the access to memory page
E. However, this can be kept to a minimum by the regular use of memfrag -d.
F. Applications need to restart because their virtual memory addresses change to reflect memory relocation to the swap address area.

Answer: B

NEW QUESTION 4
Which command will report information on memory usage, paging and block input/output?

A. free
B. memshow
C. ps
D. top
E. vmstat

Answer: E

NEW QUESTION 5
In the following output, what percentage of time was the CPU waiting for pending I/O?
vmstat 1 100
procs -----------memory---------- ---swap-- -----io---- --system-- ----cpu----
r b swpd free buff cache si so bi bo in cs us sy id wa
0 0 0 282120 134108 5797012 0 0 0 2 0 0 0 0 100 0
0 0 0 282120 134108 5797012 0 0 0 0 1007 359 0 0 100 0
0 0 0 282120 134108 5797012 0 0 0 0 1117 577 0 0 100 0
0 0 0 282120 134108 5797012 0 0 0 0 1007 366 0 0 100 0

A. 100
B. 35.9
C. 57.7
D. 36.6

Answer: A

NEW QUESTION 6
When planning a web server which of the following choices will impact system sizing? (Choose THREE correct answers.)

A. How many concurrent users are expected.
B. Which hardware vendor has better Linux support.
C. What type of content will be served.
D. What scripting languages will the web server support.
E. Will the OS install be CD, DVD or network based.

Answer: ACD

NEW QUESTION 7
Which of the following commands will provide the PIDs of the processes sorted by which are using the most CPU cycles on the Linux system?

A. top
B. uptime
C. ps aux
D. vmstat
E. freemem

Answer: A

NEW QUESTION 8
In the below example output, which columns detail the percent of time the CPU spent running non-kernel code and the percent of time the CPU spent running kernel code? (Choose TWO correct answers.)
vmstat 1 100
procs -----------memory---------- ---swap-- -----io---- --system-- ----cpu----
r b swpd free buff cache si so bi bo in cs us sy id wa
0 0 0 282120 134108 5797012 0 0 0 2 0 0 0 0 100 0
0 0 0 282120 134108 5797012 0 0 0 0 1007 359 0 0 100 0
0 0 0 282120 134108 5797012 0 0 0 0 1117 577 0 0 100 0
0 0 0 282120 134108 5797012 0 0 0 0 1007 366 0 0 100 0

A. id
B. us
C. wa
D. sy

Answer: BD

NEW QUESTION 9
What option in the collectd configuration file is required in order to define what to start monitoring?

A. LoadModule
B. Module
C. Plugin
D. LoadPlugin

Answer: D

NEW QUESTION 10
In the following output, what is the 5 minute load average for the system?
uptime
12:10:05 up 18 days, 19:00, 2 users, load average: 0.47, 24.71, 35.31

A. 0.47
B. 24.71
C. 35.31
D. There is no 5 minute interva
E. It is some value between 0.47 and 24.71.
F. There is no 5 minute interva
G. It is some value between 24.71 and 35.31.

Answer: B

NEW QUESTION 10
In the following output, the load averages represent the system load averages for what time frames? 12:10:05 up 18 days, 19:00, 2 users, load average: 0.47, 24.71, 35.31

A. 1, 5 and 15 minutes
B. 1, 15 and 30 minutes
C. 1, 15, and 30 seconds
D. 15, 30 and 60 minutes
E. 15, 30 and 60 seconds

Answer: A

NEW QUESTION 12
A database application requires a maximum shared memory segment (shmmax) of 2GB (2147483648 Bytes). Which configuration file should be modified to set this kernel parameter permanently? (Specify the full name of the file, including path.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/etc/sysctl.conf

NEW QUESTION 15
On a server running the 3.4.50-11 Linux kernel, which file in the /boot directory contains the kernel configuration parameters?

A. config-linux-3.4.50-11
B. config-3.4.50-11
C. system-3.4.50-11
D. vmlinuz-3.4.50-11
E. rc.config-3.4.50-11

Answer: B

NEW QUESTION 20
According to the Filesystem Hierarchy Standard (FHS), what is the path to the Linux kernel source and may be a symbolic link to the real Linux source code?
(Please specify the full path with no version information.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/usr/src/linux, /usr/src/linux/

NEW QUESTION 23
How can the kernel parameter for the maximum size of the shared memory segment (shmmax) be changed to 2GB (2147483648 Bytes) on a running system?
(Choose TWO correct answers.)

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

Answer: CD

NEW QUESTION 26
After configuring a new kernel, what file under /usr/src/linux/ contains the configuration?

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/usr/src/linux/.config, .config

NEW QUESTION 27
What happens if the Linux kernel can't mount the root filesystem when booting?

A. An error message is shown and the administrator is asked by the kernel to specify a valid root filesystem to continue the boot process.
B. An error message is shown and the system reboots after a keypress.
C. An error message is shown and the system boots in maintenance mode.
D. An error message is shown showing which device couldn't be mounted or informing that init couldn't be found.
E. An error message is shown stating that the corresponding kernel module couldn't be loaded.

Answer: D

NEW QUESTION 29
Which command is used to install a new LILO boot loader?

A. lilo
B. lilo-config
C. lilo-install
D. install-lilo

Answer: A

NEW QUESTION 33
Which option to the update-rc.d command will cause the removal of all symlinks to /etc/rcX.d/*test2 even when the script /etc/init.d/test2 still exists?

A. -d
B. -f
C. -n
D. -r

Answer: B

NEW QUESTION 38
Please enter the complete path to the main SysV init process configuration file.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/etc/inittab

NEW QUESTION 42
A Linux server is running in single user mode for regular maintenance. Which commands are used to restore the server to its usual runlevel? (Choose TWO correct answers.)

A. telinit 0
B. shutdown -r now
C. sync
D. shutdown -h now
E. reboot

Answer: BE

NEW QUESTION 46
A server requires a GRUB2 boot option which will always boot to runlevel 1. Which line of a GRUB2 configuration file starts the beginning of the settings needed to make this new choice available?

A. initrd
B. linux
C. menuentry
D. runlevel

Answer: B

NEW QUESTION 48
What is the full path to the directory which contains the scripts (or links to the original scripts) to run while the system boots to SysV-init runlevel 2?

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/etc/rc2.d, /etc/rc2.d/, /etc/init.d/rc2.d, /etc/init.d/rc2.d/

NEW QUESTION 51
A system with SysV-init has a service installed called apache2. Which file controls the start and stop of this service and is referenced by the various runlevel directories?

A. /etc/init.d/apache2
B. /etc/rc2.d/70apache2
C. /etc/rc2.d/apache2
D. /etc/rc2.d/apache2.start

Answer: A

NEW QUESTION 53
If all of the following files and/or symlinks exist in a SysV-init runlevel directory, which of the following will be executed first when booting the system directly into the runlevel?

A. S99lpi
B. K99lpi
C. PRE-S99lpi
D. S98lpi
E. S99a-lpi

Answer: D

NEW QUESTION 55
What is the functionality that PXE provides?

A. The ability to boot a computer using its network interface.
B. The ability to launch an remote X11 desktop on a computer.
C. The ability to verify a system's configuration after completing the boot process.
D. The ability to verify a system's configuration before completing the boot process.

Answer: A

NEW QUESTION 58
The main configuration file for autofs has this entry:

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/home /etc/auto.home

NEW QUESTION 63
After a lot of write operations, the administrator want to ensure that the kernel flushes the file system buffers to disk. Which command will accomplish this? (Specify ONLY the command without any path or parameters.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
sync

NEW QUESTION 67
Which files are updated as devices are mounted and unmounted to provide information on the currently
mounted devices and the options used? (Choose TWO correct answers.)

A. /proc/dtab
B. /etc/mtab
C. /etc/fstab
D. /proc/mounts
E. /proc/devices

Answer: BD

NEW QUESTION 72
What does a 0 in the last field (fsck order) of /etc/fstab indicate about the filesystem?

A. The filesystem should be checked before filesystems with higher values.
B. The filesystem should be checked after filesystems with higher values.
C. The filesystem check counter is ignored.
D. The filesystem has been disabled from being checked and mounted on the system.
E. The filesystem does not require an fsck check when being mounted.

Answer: E

NEW QUESTION 75
Which of the following is a CD-ROM filesystem standard?

A. OSI9660
B. ISO9660
C. SR0FS
D. ISO8859
E. ROM-EO

Answer: B

NEW QUESTION 77
Where would fsck put any unreferenced file or file fragments on a ext4 filesystem?

A. recover
B. lost+found
C. back
D. lost

Answer: B

NEW QUESTION 79
The main configuration file for autofs has this entry:
/home /etc/auto.home
What is the meaning of the /etc/auto.home file?

A. It has the indirect maps for the mounting of file systems.

B. It has configuration information, such as passwords and keys, for the remote file server.
C. It has configuration information on settings for the /home mount point.
D. It is the holds the SSL key to allow authentication to the remote file server.

Answer: A

NEW QUESTION 82
Where would fsck put any unreferenced file or file fragments on a ext4 filesystem?

A. recover
B. lost+found
C. back
D. lost

Answer: B

NEW QUESTION 84
Which directory in /dev/disk/ can be used to determine the UUID of a connected hard disk?

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/dev/disk/by-uuid, by-uuid, /dev/disk/by-uuid/

NEW QUESTION 87
Which of the following is an example path to a Linux software RAID array?

A. /dev/raid0
B. /dev/rd1
C. /dev/pr0
D. /dev/md1

Answer: D

NEW QUESTION 88
What command will remove a physical volume from a volume group? (Specify ONLY the command without any path or parameters.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
vgreduce, /sbin/vgreduce

NEW QUESTION 92
Which single command will simulate a failed device within a RAID 5 array?

A. mdadm --remove /dev/md0 /dev/sdd1
B. mdadm --zero-superblock /dev/sdf3
C. mdadm --force-fault /dev/md2 /dev/sde2
D. mdadm --fail /dev/md0 /dev/sdc1
E. mdadm /dev/md0 --offline /dev/sdc1

Answer: D

NEW QUESTION 95
What are the options to node.startup in the iscsid.conf file? (Choose TWO correct answers.)

A. login
B. initiate
C. manual
D. discover
E. automatic

Answer: CE

NEW QUESTION 97
Under which of the following circumstances would the command ping output the string (DUP!)?

A. When the ICMP packets are send to a broadcast address and multiple hosts respond.
B. When the host being sent ICMP packets is on a different network.

C. When the router responds to the ICMP packet in addition to the host receiving the ICMP packets.
D. When the host sending the ICMP packet is the same host as the one receiving the ICMP packets.

Answer: A

NEW QUESTION 101
Which of the following commands can be used to script interactions with various TCP or UDP services?

A. ftp
B. nc
C. tcpdump
D. strings
E. wget

Answer: B

NEW QUESTION 102
What should be done after updating the configuration file for syslogd in order to make the changes become effective? (Choose TWO correct answers.)

A. No action is required, syslogd will notice the updated configuration file after a few minutes.
B. Send the HUP signal to the syslogd process.
C. Restart the syslogd service.
D. Run the command syslogd -u.

Answer: BC

NEW QUESTION 103
Which /etc/hosts.allow entries will permit access to sshd for users from the 192.168.1.0/24 subnet? (Choose TWO correct answers.)

A. sshd : 192.168.1.
B. sshd : 192.168.1
C. sshd : 192.168.1.0 netmask 255.255.255.0
D. sshd : 192.168.1.0/255.255.255.0
E. sshd : 192.168.1.0

Answer: AD

NEW QUESTION 106
Which command can be used to scan a specified network looking for IP addresses that appear to be in use?

A. nmap
B. tcpdump
C. ip
D. netscan
E. hostdiscover

Answer: A

NEW QUESTION 108
Which of the following commands can be used to list IPv4 addresses and MAC addresses for IP devices that the system has seen on the local network?

A. arp
B. ifconfig
C. ipadm
D. iwlist

Answer: A

NEW QUESTION 110
According to the tcpdump output below, what is the IP address of the client host?
02:12:40.511381 IP 192.168.246.11.1045 > 192.168.246.1.22: S 3838532429:3838532429(0) win 5840 <mss
1460,sackOK,timestamp 31325740,nop,wscale 2>
02:12:40.511540 IP 192.168.246.1.22 > 192.168.246.11.1045: S 1209330085:1209330085(0) ack 383853
2430 win 5792 <mss 1460,sackOK,timestamp 11553457 3132574,nop,wscale 0>
02:12:40.511755 IP 192.168.246.11.1045 > 192.168.246.1.22: . ack 1 win 1460 <nop,nop,timestamp 3 132574
11553457>
02:12:40.515122 IP 192.168.246.1.22 > 192.168.246.11.1045: P 1:26(25) ack 1 win 5792 <nop,nop,timestamp
11553460 3132574>
02:12:40.515511 IP 192.168.246.11.1045 > 192.168.246.1.22: . ack 26 win 1460 <nop,nop,timestamp
3132578 11553460>
02:12:40.515952 IP 192.168.246.11.1045 > 192.168.246.1.22: P 1:23(22) ack 26 win 1460
<nop,nop,timestamp 3132578 11553460>

A. Mastered
B. Not Mastered

Answer: A

Explanation:
192.168.246.11

NEW QUESTION 111
Which of the following files are used to resolve hostnames to IP addresses? (Choose TWO correct answers.)

A. /etc/systems
B. /etc/hosts
C. /etc/network
D. /etc/dns.conf
E. /etc/resolv.conf

Answer: BE

NEW QUESTION 112
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/

Answer: D

NEW QUESTION 114
Which of the following commands erases the contents of the /dev/sdb3 partition?

A. rm /dev/sdb3
B. dd if=/dev/zero of=/dev/sdb3
C. dd of=/dev/zero if=/dev/sdb3
D. umount /dev/sdb3

Answer: B

NEW QUESTION 119
Which of the following commands creates a Btrfs subvolume named volume in/mnt?

A. btrfs subvolume add –n volume /mnt
B. btrfs create subvolume /mnt volume
C. btrfs-subvolume create /mnt/volume
D. btrfs subvolume new volume /mnt
E. btrfs subvolume create /mnt/volume

Answer: E

NEW QUESTION 120
After manually compiling and installing a new kernel, what has to be done regarding the initramfs?

A. To initramfs is independent of the kernel and should not be modified unless the hardware configuration of the machine has changed
B. Since the initramfs contains kernel modules, a new initramfs must be built for the new kernel
C. During the compilation of the Linux kernel, a new initramfs is built automaticall
D. The new initramfs only needs to be installed
E. The system should be restarted since the initramfs reconfigures itself for the new kernel during the startup of the system

Answer: C

NEW QUESTION 122
What command is used to send messages to all users currently logged in? (Specify ONLY the command without any path or parameters.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
wall

NEW QUESTION 126
Which of the following commands displays the physical path of the kernel module named dummy?

A. modprobe –i dummy
B. modinfo –n dummy
C. modpath –v dummy
D. depmod –n dummy
E. modshow –p dummy

Answer: A

NEW QUESTION 128
Which of the filter keywords below could be used in the following command:
tcpdump –i eth0 _____203.0.113.8 (Choose three.)

A. host
B. ip
C. src
D. dst
E. ipv6

Answer: ACD

NEW QUESTION 131
Which is the main configuration file for the SystemV init process? (Specify the full name of the file, including path.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/etc/inittab

NEW QUESTION 133
In order to gather performance data with sar over a longer period of time, which command should be run periodically from cron?

A. sa1
B. sarmon
C. sarec
D. sadf
E. sarcron

Answer: A

NEW QUESTION 135
Which of the following commands restores only those files containing lpi in their name from the archive lpifiles.tar.gz?

A. tar xvzf lpifiles.tar.gz --wildcards '*lpi*'
B. tar xvzwf lpifiles.tar.gz '*lpi*'
C. tar -xvfz lpifiles.tar.gz --deep '*lpi*'
D. tar -xvzf lpifiles.tar.gz --subdirs '*lpi*'
E. tar xvzf lpifiles.tar.gz --globbing '*lpi*'

Answer: A

NEW QUESTION 139
In which directory tree are files modified when changing kernel parameters using the command sysctl?

A. /sys/kernel/
B. /proc/kernel/
C. /proc/sys/
D. /lib/sys/
E. /sys/proc/

Answer: C

NEW QUESTION 141
After the downloading patch-4.6.4.xz from http://kernel.org, what are the next steps to prepare the build of a version 4.6.4 Linux kernel? (Choose two.)

A. Uncompress the file and move the resulting directory to /usr/src/linux
B. Apply the patch file to the kernel source directory containing kernel version 4.6.0
C. Apply the patch file to the kernel source directory containing kernel version 4.6.3
D. Uncompress the file using xz to get the uncompressed patch file
E. Use patch to apply the uncompressed patch file to the source directory of any previous kernel version

Answer: DE

NEW QUESTION 142
What is the purpose of an initramfs during the Linux system start?

A. It loads required modules and starts sub sytems like LVM to make the root file system accessible to the kernel
B. It moves the kernel from normal system memory to initram memory to speed up kernel access
C. It copies the root file system's content to RAM to speed up the system and reduce writes to disk

D. It creates a ram disk to store volatile data for directories like /tmp to reduce writes to disk

Answer: A

NEW QUESTION 143
Which command is used to install a GRUB boot loader into the master boot record?

A. grub-install
B. grub-mkconfig
C. grub-install-mbr
D. grub-glue-mbr
E. grub-mbr-setup

Answer: A

NEW QUESTION 144
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