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Lpi 201-450 Exam Syllabus Topics:

TopicDetailsTopic 1- Measure Cpu Usage, Memory Usage, Disk I- O, Network I- O, Firewalling And Routing ThroughputTopic 2- Linux Kernel As Needed, Updating And Noting Changes In A New - Properly Maintain A Linux Filesystem Using System UtilitiesTopic 3- Configure A Kernel To Include Or Disable Specific Features Of The Linux Kernel As NecessaryTopic 4- Candidates Should Be Able To Identify And Correct Common Network Setup IssuesTopic 5- Configure A Network Device To Be Able To Connect To A Local, Wired Or Wireless, And A Wide-Area NetworkTopic 6- Monitor Resource Usage To Predict Future Resource Needs- Observe Growth Rate Of Capacity UsageTopic 7- Configuring A Multi-Homed Network Device And Resolving Communication ProblemsTopic 8- Use Monitoring And Measurement Tools To Monitor It Infrastructure Usage- Graph The Trend Of Capacity Usage

NO.51 What option in the collectd configuration file is required in order to define what to start monitoring?

* LoadModule

- * Module
- * Plugin
- * LoadPlugin

NO.52 What does the -p3 option to the patch command do?

- * It will strip off path information from each file mentioned in the patch file up to and including the third / character.
- * patch continues execution as long as there are three or fewer errors.
- * It instructs patch to look up to three lines of context before or after the declared line in the original file for a match.
- * patch will keep three previous versions of each file in the output to prevent loss of change history.
- * It instructs patch to conform more strictly to the POSIX standard.

NO.53 Which of the following commands adds a static IPv6 address to the network interface eth0?

- * ip add addr 2001:db8::1337/64 dev eth0
- * ip -6 add addr 2001:db8::1337/64 dev eth0
- * ip addr add 2001:db8::1337/64 dev eth0
- * ip -6 addr add new 2001:db8::1337/64 dev eth0
- * ip addr add -6 2001:db8::1337/64 dev eth0

Explanation/Reference:

NO.54 CORRECT TEXT

Which file tells GRUB the paths of the filesystem partitions in both Linux format and in the GRUB syntax? (Specify the file name only with no path information)

device.map

NO.55 A correctly formatted entry has been added to /etc/hosts.deny to prevent certain clients from connecting to a service but this is having no effect. What could be the cause of this?

(Choose TWO correct answers.)

- * tcpd needs to be sent the HUP signal.
- * The service needs to be restarted.
- * The machine needs to be restarted.
- * There is a conflicting entry in /etc/hosts.allow.
- * The service does not support tcpwrapper.

NO.56 Which single command will simulate a failed device within a RAID 5 array?

- * mdadm --remove /dev/md0 /dev/sdd1
- * mdadm --zero-superblock /dev/sdf3
- * mdadm --force-fault /dev/md2 /dev/sde2
- * mdadm --fail /dev/md0 /dev/sdc1
- * mdadm /dev/md0 --offline /dev/sdc1

NO.57 The following is an excerpt from the output of tcpdump -nli eth1:

```
13:03:17.277327 IP 192.168.123.5.1065 > 192.168.5.112.21: Flags [.], ack 1 (truncated)
```

```
13:03:17.598624 IP 192.168.5.112.21 > 192.168.123.5.1065: Flags [P.], seq (truncated)
```

Which network service or protocol was used?

- * FTP
- * HTTP
- * SSH
- * DNS
- * DHCP

NO.58 CORRECT TEXT

Which file contains the text message that is displayed after logging into the console?

(Specify the full name of the file, including path.)

/etc/motd

NO.59 When is historical data of resource usage important? (Select THREE correct answers.)

- * Predicting when resources will need to be increased.
- * Selecting a computer vendor.
- * Identifying processes killed during out of memory occurrences.
- * Diagnosing capacity problems.
- * Troubleshooting a software problem.

NO.60 What action should be performed after increasing the size of a logical volume?

- * Run vgresize
- * Increase the size of the filesystem used for the logical volume
- * Run lvresize
- * Remount the logical volume

NO.61 CORRECT TEXT

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.)

sync

NO.62 Which of the following tools are used to measure memory usage? (Choose THREE correct answers.)

- * mpstat
- * pstree
- * sar
- * top
- * vmstat

NO.63 Fill in the blank.

The users of the local network complain that name resolution is not fast enough. Which command shows the time taken to resolve a DNS query? (Specify the command without path.)

dig

Explanation/Reference:

NO.64 What is the purpose of an initramfs during the Linux system start?

- * It loads required modules and starts sub sytems like LVM to make the root file system accessible to the kernel

- * It moves the kernel from normal system memory to initram memory to speed up kernel access
- * It copies the root file system's content to RAM to speed up the system and reduce writes to disk
- * It creates a ram disk to store volatile data for directories like /tmp to reduce writes to disk

NO.65 Which of the following commands restores only those files containing lpi in their name from the archive lpifiles.tar.gz?

- * `tar xvzf lpifiles.tar.gz ;wildcards ;*lpi*`
- * `tar xvzwf lpifiles.tar.gz ;*lpi*`
- * `tar -xvzf lpifiles.tar.gz ;deep ;*lpi*`
- * `tar -xvzf lpifiles.tar.gz ;subdirs ;*lpi*`
- * `tar xvzf lpifiles.tar.gz ;globbing ;*lpi*`

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