



LPI Certification

Exam 102-500 LPI Level 1 Certification Part 1

Exam Questions (Demo)



QUESTION 1

Which of the following is a valid IPv6 address?

- A. `2001:db8:0g21::1`
- B. `2001::db8:4581::1`
- C. `2001:db8:3241::1`
- D. `2001%db8%9990%%1`
- E. `2001.db8.819f..1`

Answer: C

QUESTION 2

Which of the following statements is valid in the file `/etc/nsswitch.conf`?

- A. `muti on`
- B. `192.168.168.4 dns-server`
- C. `namespaces: net mount procs`
- D. `include /etc/nsswitch.d/`
- E. `hosts: files dns`

Answer: E

QUESTION 3

Which of the following connection types, as seen in `nmcli connection show`, may exist in NetworkManager? (Choose **THREE** correct answer.)

- A. `tcp`
- B. `ethernet`
- C. `wifi`
- D. `ipv6`
- E. `bridge`

Answer: B, C, E

QUESTION 4

What is true about the Hop Limit field in the IPv6 header?

- A. The field is not changed during the transport of a package.
- B. The field is transmitted within a hop-by-hop extension header.
- C. Each router forwarding the packet increases the field's value.
- D. Each router forwarding the packet decreases the field's value.
- E. For multicast packages, the field's value is always 1.

Answer: D

QUESTION 5

Which of the following nmcli subcommands exist? (Choose **TWO** correct answers)

- A. **nmcli ethernet**
- B. **nmcli device**
- C. **nmcli wifi**
- D. **nmcli address**
- E. **nmcli connection**

Answer: B, E

QUESTION 6

How many IP addresses can be used for unique hosts inside the IPv4 subnet **192.168.2.128/26** ?

- A. 6
- B. 14
- C. 30
- D. 62
- E. 126

Answer: D

QUESTION 7

Which of the following IPv4 networks are reserved by IANA for private address assignment and private routing? (Choose **THREE** correct answers)

- A. **10.0.0.0/8**
- B. **127.0.0.0/8**
- C. **169.255.0.0/16**
- D. **172.16.0.0/12**
- E. **192.168.0.0/16**

Answer: A, D, E

QUESTION 8

Which of the following commands configure network interfaces based on the system's existing distribution-specific configuration files? (Choose **TWO** correct answer.)

- A. **ifconfig**
- B. **ifdown**
- C. **ifpause**
- D. **ifstart**
- E. **ifup**

Answer: B, E

QUESTION 9

Which of the following information is stored in `/etc/shadow` for each user?

- A. The timestamp of the user's last login
- B. The user's private SSH keys
- C. The hashed password of the user
- D. The numerical user ID (UID)
- E. The path to the user's home directory

Answer: C

QUESTION 10

Which of the following commands shows all active systemd timers?

- A. `systemctl-timer show`
- B. `timectl list`
- C. `systemctl -t`
- D. `systemctl list-timers`
- E. `timeq`

Answer: D

QUESTION 11

Which of the following tasks can the `date` command accomplish? (Choose two.)

- A. Set the system's date and time.
- B. Set the system's date but not the time.
- C. Calculate the time span between two dates.
- D. Print a calendar for a month or a year.
- E. Display time in a specific format.

Answer: A, E

QUESTION 12

What is true about the file `/etc/localtime`?

- A. It is a plain text file containing a string such as `Europe/Berlin`.
- B. It is created and maintained by the NTP service based on the geolocation of the system's IP address.
- C. It is a symlink to `/sys/device/clock/ltime` and always contains the current local time.
- D. After changing this file, `newtzconfig` has to be run to make the changes effective
- E. It is either a symlink to or a copy of a timezone information file such as `/usr/share/zoneinfo/Europe/Berlin`.

Answer: E

QUESTION 13

Which of the following statements is true regarding systemd timer units?

- A. Timer units can only be defined within a service unit's file.
- B. The command executed by the timer is specified in the timer unit's **[Cmd]** section.
- C. A dedicated system service, **systemd-cron**, handles the execution of timer units.
- D. Timer units only exist in the system scope and are not available for users.
- E. Each **systemd** timer unit controls a specific **systemd** service unit.

Answer: E

QUESTION 14

Which of the following fields are available in the standard format of both the global **/etc/crontab** file as well as in user-specific **crontab** files? (Choose two.)

- A. Year
- B. Minute
- C. Username
- D. Effective group ID
- E. Command

Answer: B, D

QUESTION 15

Which of the following commands should be executed when starting a login shell in order to change the language of messages for an internationalized program to Portuguese (pt)?

- A. **export LANGUAGE="pt"**
- B. **export LC_MESSAGES="pt"**
- C. **export UI_MESSAGES="pt"**
- D. **export MESSAGE="pt"**
- E. **export ALL_MESSAGES="pt"**

Answer: B

QUESTION 16

Which of the following files assigns a user to its primary group?

- A. **/etc/pgroup**
- B. **/etc/shadow**
- C. **/etc/passwd**
- D. **/etc/group**
- E. **/etc/gshadow**

Answer: C

QUESTION 17

Which of the following steps prevents a user from obtaining an interactive login session?

- A. Setting the UID for the user to **0**.
- B. Running the command **chsh -s /bin/false** with the user name.
- C. Removing the user from the group **staff**.
- D. Adding the user to **/etc/noaccess**.
- E. Creating a **.nologin** file in the user's home directory.

Answer: B

QUESTION 8

Which of the following statements about systemd-journald are true? (Choose three.)

- A. It is incompatible with syslog and cannot be installed on a system using regular syslog.
- B. It only processes messages of systemd and not messages of any other tools.
- C. It can pass log messages to syslog for further processing.
- D. It maintains metadata such as **_UID** or **_PID** for each message.
- E. It supports syslog facilities such as kern, user, and auth.

Answer: C, D, E

QUESTION 19

Which of the following commands is used to rotate, compress, and mail system logs?

- A. **logrotate**
- B. **striplog**
- C. **syslogd -rotate**
- D. **rotatelog**
- E. **logger**

Answer: A

QUESTION 20

Which of the following commands lists all queued print jobs?

- A. **lpd**
- B. **lpr**
- C. **lp**
- D. **lsq**
- E. **lpq**

Answer: E

QUESTION 115

Which parameter is missing in the command

```
ip link set _____ dev eth0
```

to activate the previously inactive network interface eth0? (Specify the parameter only without any command, path or additional options.)

Answer: **up**

QUESTION 116

What command enables a network interface according to distribution-specific configuration, such as

```
/etc/network/interfaces or /etc/sysconfig/network-scripts/ifcfg-eth0? (Specify only the command without any path or parameters.)
```

Answer: **ifup**

QUESTION 117

What option to `useradd` creates a new user's home directory and provisions it with a set of standard files?

(Specify only the option name without any values or parameters.)

Answer: **-m**

QUESTION 118

Which environment variable is used by an X11 client to determine the X Server to connect to? (Specify only the variable name without any preceding commands or values.)

Answer: **DISPLAY**

QUESTION 119

Which command, available with all sendmail-compatible MTAs, is used to list the contents of the MTA's mail queue? (Specify only the command without any path or parameters.)

Answer: **mailq**