



CompTIA Linux+ and LPIC Practice Tests

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Chapter 6 Understanding User Interfaces and Desktops

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Chapter 8 Essential System Services (Domain 108)

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Chapter 7 Administrative Tasks (Domain 107)

THE FOLLOWING COMPTIA LINUX+/LPIC-1 EXAM
OBJECTIVES ARE COVERED IN THIS CHAPTER:

- ✓ **107.1 Manage user and group accounts and related system files**
 - Add, modify and remove users and groups
 - Manage user/group info in password/group databases
 - Create and manage special purpose and limited accounts
 - The following is a partial list of the used files, terms and utilities:
 - /etc/passwd
 - /etc/shadow
 - /etc/group
 - /etc/skel
 - chage
 - getent
 - groupadd
 - groupdel
 - groupmod
 - passwd
 - useradd
 - userdel
 - usermod
- ✓ **107.2 Automate system administration tasks by scheduling jobs**
 - Manage cron and at jobs
 - Configure user access to cron and at services
 - Configure anacron
 - The following is a partial list of the used files, terms and utilities:
 - /etc/cron.{d,daily,hourly,monthly,weekly}
 - /etc/at.deny
 - /etc/at.allow
 - /etc/crontab
 - /etc/cron.allow
 - /etc/cron.deny
 - /var/spool/cron/*
 - crontab
 - at

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- anacron
 - /etc/anacrontab
 - **✓ 107.3 Localization and internationalization**
 - Configure local settings and environment variables
 - Configure timezone settings and environment variables
 - The following is a partial list of the used files, terms and utilities:
 - /etc/timezone
 - /etc/localtime
 - /usr/share/zoneinfo
 - Environment variables:
 - LC_*
 - LC_ALL
 - LANG
 - TZ
 - /usr/bin/locale
 - tzselect
 - tzconfig
 - date
 - iconv
 - UTF-8
 - ISO-8859
 - ASCII
 - Unicode
1. 1. Which file contains user information, such as username and real name, and is readable by all users of the system?
1. /etc/pass
 2. /etc/shadow
 3. /etc/passwd
 4. /etc/userinfo
2. 2. Which of the following will execute a job through cron at 12:15 a.m. and 12:15 p.m. every day?
1. 0,12 15 * * *
 2. 15 0,12 * * *
 3. 15 * * * 0/12
 4. */12 * * * 15
3. 3. Which file is used to indicate the local time zone on a Linux server?
1. /etc/timez
 2. /etc/timezoneconfig
 3. /etc/localtime
 4. /etc/localtz
4. 4. Which file is used to provide a list of users that can add and delete cron jobs?
1. /etc/cron.job
 2. /etc/cron.allow
 3. /etc/cron.users
 4. /etc/crontab
5. 5. Which of the following commands removes an expiration from an account?
1. sudo chage -l username
 2. sudo chage -E -1 username

3. `sudo chage -E now username`
 4. `sudo chage --noexpire username`
6. 6. Within which directory will you find files related to the time zone for various regions?
1. `/etc/timezoneinfo`
 2. `/etc/zoneinfo`
 3. `/var/zoneinfo`
 4. `/usr/share/zoneinfo`
7. 7. Which of the following commands schedules a series of commands to execute one hour from now?
1. `atq +1hr`
 2. `at now + 1 hour`
 3. `atq`
 4. `at -1`
8. 8. You need to delete a user from the system, including their home directory. Which of the following commands accomplishes this task?
1. `userdel`
 2. `userdel -r`
 3. `userdel -R`
 4. `deluser`
9. 9. Within which directory should you place files in order for the files to be copied to a user's home directory when the user is created?
1. `/etc/skel`
 2. `/etc/homedir`
 3. `/home/usertemplate`
 4. `/etc/template`
10. 10. Which job scheduler should you use if the computer on which you need to schedule the job is powered down at various times?
1. `cron.d`
 2. `cron.hourly`
 3. `anacron`
 4. `at`
11. 11. Which of the following commands provides the current date and time in a format of seconds since the epoch?
1. `date +%seconds`
 2. `date +%s`
 3. `date --seconds`
 4. `date --now`
12. 12. Which option to the `iconv` command shows the available character sets on a given system?
1. `--showchar`
 2. `--show`
 3. `--list`
 4. `--all`
13. 13. Which environment variable controls the format of dates and times, such as a 12-hour or 24-hour formatted clock?
1. `LOCALE_DATE`
 2. `DATE_FORMAT`

3. LC_TIME

4. LC_DATE

14. 14. Which command displays a list of jobs currently scheduled with at?

1. atlist

2. atq

3. atl

4. at --jobs

15. 15. To which shell should a user be set if they are not allowed to log in interactively to the computer?

1. /bin/bash

2. /bin/tcsh

3. /bin/zsh

4. /bin/false

16. 16. Which of the following encodings provides a multibyte representation of characters?

1. ISO-8859

2. UTF-8

3. ISO-L

4. UFTMulti

17. 17. Which of the following commands changes a group called DomainAdmins to DomainUsers?

1. groupmod -n DomainAdmins DomainUsers

2. groupchg DomainAdmins DomainUsers

3. chgroup DomainAdmins DomainUsers

4. group -N DomainAdmins DomainUsers

18. 18. Within which directory would you find a list of files corresponding to the users who have current cron jobs on the system?

1. /var/spool/cron/crontabs

2. /var/spool/jobs

3. /etc/cron

4. /etc/cron.users

19. 19. Which command deletes an at job with an ID of 3?

1. atq

2. at -l

3. atrm 3

4. rmat 3

20. 20. Which command can be used to view the available time zones on a system and obtain output that can be used in scripts for setting the time zone?

1. tzd

2. /etc/locale

3. tzdata

4. tzselect

21. 21. You need to determine if LDAP integration is working correctly. In order to do so, you would like to obtain a list of users, as read by /etc/nsswitch.conf. Which command can be used for this purpose?

1. getuser

2. getent
 3. usermod
 4. userlist
22. 22. What is the name of the configuration file that contains information about group and user addition, such as the maximum and minimum user and group IDs to be used when adding users and groups?
1. /etc/groupinfo
 2. /etc/login.defs
 3. /etc/login.info
 4. /etc/loginlist
23. 23. Which of the following is used as a system-wide cron file?
1. /etc/cron.d
 2. /etc/cron.sys
 3. /etc/crontab
 4. /etc/cron.tab
24. 24. Which of the following lines added to .profile in a user's home directory will set their time zone to Central time?
1. TZ=/Central; export TZ
 2. TIMEZONE='America/Chicago'; export TIMEZONE
 3. set TZ=/Central
 4. TZ='America/Chicago'; export TZ
25. 25. Within which directory will you find scripts that are scheduled to run through cron every 24 hours?
1. /etc/cron.daily
 2. /etc/cron.weekly
 3. /etc/cron.hourly24
 4. /etc/crontab
26. 26. Which of the following values for the LANG variable will configure the system to bypass locale translations where possible?
1. LANG=COMPAT
 2. LANG=NONE
 3. LANG=C
 4. LANG=END
27. 27. When running useradd, which option needs to be specified in order for the user's home directory to be created?
1. -h
 2. -m
 3. -x
 4. -a
28. 28. Which of the following commands locks out password-based login for a user but does not prevent other forms of login?
1. usermod -L
 2. userdel -r
 3. useradd -h
 4. userlock
29. 29. If you need to reconfigure all locale variables and settings temporarily for a given session, which environment variable can be used?

1. LC_LIST
 2. LC_GLOBAL
 3. LC_ALL
 4. ALL_LOCALE
30. Which of the following will run a command called `/usr/local/bin/changehome.sh` as the `www-data` user when placed in `/etc/crontab`?
1. `1 1 * * * www-data /usr/local/bin/changehome.sh`
 2. `www-data changehome.sh`
 3. `* /1 www-data changehome.sh`
 4. `* * */www-data /usr/local/bin/changehome.sh`
31. Which of the following commands produces a report listing the last password change date for all users on the system?
1. `passwd -a`
 2. `passwd -S`
 3. `passwd -a -S`
 4. `passwd --all`
32. Assume that passwords must be changed every 60 days. Which command will change the date of the user's last password change without the user actually changing the account password?
1. `chage -f`
 2. `chage -W`
 3. `chage -l`
 4. `chage -d`
33. Which of the following files is used by `anacron` for reading configuration information related to jobs?
1. `/etc/anacron.d`
 2. `/etc/anacrontab`
 3. `/etc/anacron.config`
 4. `/etc/anacron.conf`
34. Which of the following commands will set the system-wide time zone to `America/Los_Angeles`?
1. `ln -sf /usr/share/zoneinfo/America/Los_Angeles /etc/localtime`
 2. `ln -sf America/Los_Angeles; /etc/localtime`
 3. `ln -sd /etc/localtime /usr/share/timezone/America/Los_Angeles`
 4. `ln -sf /etc/localtime /usr/share/zoneinfo/America/Los_Angeles`
35. Which file contains a list of users who are not allowed to create cron scheduled tasks?
1. `/etc/cron.users`
 2. `/etc/cron.deny`
 3. `/etc/cron.allow`
 4. `/etc/cron.userlist`
36. Which file contains a list of usernames, UIDs, and encrypted passwords?
1. `/etc/passwd`
 2. `/etc/shadow`
 3. `/etc/encpass`
 4. `/etc/grouppass`

37. 37. Which of the following best describes the relationship between UIDs and GIDs on a Linux system?
1. The UID and GID are the same across the system for a given user.
 2. Each user has a UID and GID that are the same and are created when the user is created.
 3. The UID represents the user, whereas the GID is a globally unique user id.
 4. There is no direct relationship between UIDs and GIDs.
38. 38. Which command on a Debian-based system can be used to change the time zone using the package-based tools?
1. `dpkg-reconfigure time`
 2. `dpkg-reconfigure tzdata`
 3. `apt-select tzdata`
 4. `apt-config timezone`
39. 39. Which command is used to change a user's home directory to `/srv/data/username` and move the contents at the same time?
1. `usermod -d /srv/data/username -m`
 2. `homedir -m /srv/data/username`
 3. `userex -m /srv/data/username`
 4. `userchg /m /srv/data/username -d`
40. 40. Which option to `useradd` will add additional groups for a user?
1. `-g`
 2. `-x`
 3. `-l`
 4. `-G`
41. 41. Which command will list the cron entries for a given user as denoted by `<username>`?
1. `crontab -l -u <username>`
 2. `crontab -u <username>`
 3. `cron -u <username>`
 4. `cronent -u <username>`
42. 42. Which option to `useradd` creates a system user rather than a normal user?
1. `-r`
 2. `-s`
 3. `-a`
 4. `-S`
43. 43. Which file contains encrypted password information for groups?
1. `/etc/group`
 2. `/etc/gshadow`
 3. `/etc/gsecure`
 4. `/etc/group.conf`
44. 44. Which locale-related variable is used for currency-related localization?
1. `LC_MONE`
 2. `LC_CURRENCY`
 3. `LC_MONETARY`
 4. `LC_CURR`

45. 45. Which of the following best describes the use of the `groupdel` command?
1. You may force group deletion with the `-f` option.
 2. If a user's primary group is to be deleted, that user must be deleted first or have their primary group changed.
 3. `groupdel` can be run at any time, regardless of group membership.
 4. The `-r` option for `groupdel` will recursively change a user's GIDs after group deletion.
46. 46. Which of the following commands displays the UID, primary group, and supplemental groups for a given user?
1. `id`
 2. `getid`
 3. `passwd`
 4. `chage`
47. 47. Which option to the `usermod` command is used to change a given user's real name?
1. `-R`
 2. `-n`
 3. `-d`
 4. `-c`
48. 48. Assume that you have deleted a user account with UID 1501, including the `-r` option. Which command should you also run to look for other files that might have been owned by the user?
1. `find -id 1501`
 2. `grep 1501 *`
 3. `grep -u 1501 *`
 4. `find / -uid 1501`



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