CompTIA Linux+ and LPIC Practice Tests

**Chapter 6**
**Understanding User Interfaces and Desktops (Domain 106)**

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

- ✓ **106.1 Install and configure X11.**
- Verify that the video card and monitor are supported by an X server
- Awareness of the X font server
- Basic understanding and knowledge of the X Window configuration file
- The following is a partial list of the used files, terms and utilities:
- /etc/X11/xorg.conf
- xhost
- DISPLAY
- xwininfo
- xdpyinfo
- X
- ✓ **106.2 Set up a display manager.**
- Basic configuration of LightDM
- Turn the display manager on or off
- Change the display manager greeting
- Awareness of XDM, KDM and GDM
- The following is a partial list of the used files, terms and utilities:
- lightdm
- /etc/lightdm/
- ✓ **106.3 Accessibility.**
- Basic knowledge of keyboard accessibility settings (AccessX)
- Basic knowledge of visual settings and themes
- Basic knowledge of assistive technology (AT)
- The following is a partial list of the used files, terms and utilities:
- Sticky/repeat keys
- Slow/bounce/toggle keys
- Mouse keys
- High contrast/large print desktop themes
- Screen reader
- Braille display
- Screen magnifier
- On-screen keyboard

- GOK
- Emacspeak

1. 1. Within which configuration file is the greeter configured for `lightdm`?

   1. `/etc/lightdm/lightdm.conf`
   2. `/etc/lightdm/greeter.conf`
   3. `/etc/lightdm.conf`
   4. `/var/lib/lightdm/lightdm.conf`

2. 2. Which section in `/etc/X11/xorg.conf` is used to describe configurations for a given graphics card and monitor pair?

   1. Server
   2. Screen
   3. VidMode
   4. Video

3. 3. When setting the frequency options for a given monitor, which of the following is not an available frequency unit?

   1. uHz
   2. MHz
   3. kHz
   4. M

4. 4. Which command on a `systemd`-based system is used to disable booting into a GUI?

   1. `systemctl gui-boot disable`
   2. `systemctl set-default boot-gui false`
   3. `systemctl set-default multi-user.target`
   4. `systemctl set-default-multi false`

5. 5. Assuming X forwarding has been enabled on the ssh server, which environment variable is used to set the location for newly spawned windows from within an ssh session?

   1. `DISPLAY`
   2. `XTERMINAL`
   3. `XTERM`
   4. `XDISP`

6. 6. Within the greeter section of a display manager such as GDM, which option sets the welcome message for users logging in locally?

   1. `LoginMessage`
   2. `Login`
   3. `WinGreet`
   4. `Welcome`

7. 7. Within GNOME, enabling sticky keys can be done by pressing which key five times in a row?

   1. Ctrl
   2. Enter
   3. Shift
   4. Tab

8. 8. Which option in the Module section of the `xorg.conf` configuration file causes a default module to be unloaded or not loaded by default?

   1. `Disable`

2. `Unload`

3. `LoadDisable`

4. `DisableLoad`

9. 9. Which program is used in a GNOME environment as a screen reader?

1. Orca

2. Screed

3. Screen

4. Reader

10. 10. Assuming a monitor currently set at 1024×768, which command will change the screen resolution such that icons and other elements appear larger?

1. `xterm -r 0`

2. `xset res 1024x768`

3. `xrandr -s 800x600`

4. `xVGA`

11. 11. LightDM typically allows guest login by default. Which configuration option within SeatDefaults changes this to disallow guests?

1. `guest-login=false`

2. `guest=false`

3. `allowg=false`

4. `allow-guest=false`

12. 12. When using XFree86 as the X server, which command will cause the X server to query for hardware and create a new configuration file?

1. `XFree86 --newconfig`

2. `XFree86 --query`

3. `XFree86 -configure`

4. `xf -config`

13. 13. Which configuration option for X is used to configure the keyboard model?

1. `XkbLayout`

2. `XkbModel`

3. `XkbType`

4. `XkbInput`

14. 14. Which configuration line within a Monitor section of an X server configuration file will set the vertical refresh rate between 55 and 75 hertz?

1. `Vert 55–75`

2. `VertRefresh 55.0–75.0`

3. `VertSync 55.0–75.0`

4. `RefreshMode 55.0–75.0`

15. 15. From within an X session, which of the following commands shows information about the display, including resolution and color depth?

1. `xinfo`

2. `xterm`

3. `xwin`

4. `xdpyinfo`

16. <u>16.</u> Which AccelerationProfile for an input device such as a mouse enables linear acceleration (more speed and more acceleration)?

    1. 0
    2. -1
    3. 6
    4. 7

17. <u>17.</u> Which of the following directories is used by an X.org-based server for storage of fonts?

    1. `/usr/share/fonts`
    2. `/usr/X11/fonts`
    3. `/etc/fonts`
    4. `/var/font/xorg`

18. <u>18.</u> Native support for a Braille display requires a minimum of which kernel version?

    1. 2.2.0
    2. 2.4.22
    3. 2.6.26
    4. 3.2.1

19. <u>19.</u> Which configuration option in an `xorg.conf` file can be set to prevent a user from changing video modes using the Ctrl+Alt+Keypad Plus and Ctrl+Alt+Keypad Minus?

    1. `DontZoom`
    2. `Modes=No`
    3. `NoModeSwitch`
    4. `DontZap`

20. <u>20.</u> GNOME includes native on-screen keyboard functionality. Which of the following commands starts the on-screen keyboard?

    1. `gok`
    2. `osk`
    3. `kb`
    4. `oskb`

21. <u>21.</u> When using GDM as the display manager, which GUI program can be used to set options for the login window?

    1. `gdmlogin`
    2. `gdmconfig`
    3. `gdmsetup`
    4. `gdm`

22. <u>22.</u> When using KDE, which program provides magnification functionality?

    1. `xmag`
    2. `mag`
    3. `pmag`
    4. `kmag`

23. <u>23.</u> Which option in the SeatDefaults section of the `lightdm.conf` configuration file is used to disable the display of usernames for login?

    1. `greeter-disable-user`
    2. `greeter-enable-login`
    3. `greeter-show-manual-login`
    4. `greeter-disable-auto-login`

24. 24. Within GNOME, which section of the GNOME Control Center is used to choose a high-contrast theme?

    1. Display

    2. Appearance

    3. Locale

    4. Contrast

25. 25. Which of the following best describes the concept of a mouse gesture?

    1. A mouse gesture enables special clicks, such as right-click context menu.

    2. A mouse gesture facilitates use of programs by moving the mouse in a certain way.

    3. A mouse gesture is used for login purposes.

    4. A mouse gesture is used to capture screenshots.

26. 26. In GNOME 3.9 or later, which keyboard shortcut activates the screen reader?

    1. Super+R

    2. Super+S

    3. Ctrl+Super+S

    4. Alt+Super+S

27. 27. Assume that the display manager has been disabled on boot. Which command can be used after login to start the X server?

    1. xs

    2. xstart

    3. X -start

    4. startx

28. 28. Which option in an xorg.conf configuration file configures the amount of time before the screen goes into blank mode but does not go into standby and is available on non-DPMS capable monitors?

    1. StandbyTime

    2. BlankTime

    3. SuspendTime

    4. OffTime

29. 29. Which of the following commands helps you to determine information about a given window within an X session, including information on the window size and its position?

    1. xkbinfo

    2. xdspy

    3. xwininfo

    4. xver

30. 30. Which option/button within GOK is used to show the keys that would be used in place of a mouse?

    1. Mouse

    2. MouseKeys

    3. Movement

    4. Compose

31. 31. Which of the following commands allows a host named cwa to connect to the X server?

    1. xconnect cwa

    2. xterm +cwa

3. `xhost +cwa`

4. `xf cwa`

32. 32. Which of the following options in the ssh configuration file needs to be enabled so that X sessions can be sent over an ssh connection?

   1. `X11Connect yes`

   2. `ForwardX11 yes`

   3. `ForwardX yes`

   4. `XForward yes`

33. 33. Which configuration option in a Files section of an `xorg.conf` configuration file can be used to add a path in which the server will search for fonts?

   1. `FontSection`

   2. `Fonts`

   3. `FontLoc`

   4. `FontPath`

34. 34. Which assistive technology is used to provide an input method for users who cannot type but can use a pointer, such as a mouse?

   1. Keyboard

   2. Sticky keys

   3. Mouse keys

   4. On-screen keyboard

35. 35. Which assistive technology will ignore keys that are pressed in succession or held down?

   1. Sticky keys

   2. Mouse keys

   3. Bounce keys

   4. On-screen keyboard

36. 36. When using LightDM, which key combination is used to revert to a terminal?

   1. Alt+Ctrl+F2

   2. Alt+Ctrl+F1

   3. Ctrl+F1

   4. Ctrl+Esc

37. 37. Which option in the LightDM configuration enables automatic login for a specific user?

   1. `auto-login`

   2. `autologin-user`

   3. `autologin`

   4. `auto-login-user`

38. 38. Which of the following is a legacy utility that can be used to set accessibility options on older systems?

   1. `Xaccessibility`

   2. `Xas`

   3. `AccessX`

   4. `setX`

39. 39. Which command, when executed on a remote host, will send the display of X programs to the local client? (Assume the use of Bash for the shell.)

   1. `export DISPLAY`

2. `env DISPLAY`

3. `setx HOST`

4. `export XHOST`

40. **40.** Which option in GOK is used to display the keys that correspond to a given application's menu?

   1. `Menus`

   2. `Activate`

   3. `MenuKeys`

   4. `Keys`

41. **41.** Which directory is used to store individual configuration files related to LightDM?

   1. `/etc/light`

   2. `/etc/lightdm/lightdm.conf.d`

   3. `/usr/lightdm`

   4. `/etc/lightdm.conf`

42. **42.** Which command will switch the system into an init in which the X server is not typically executed?

   1. `telinit 6`

   2. `telinit 1`

   3. `telinit 3`

   4. `telinit 5`

43. **43.** Which option within the Device section for a video card will set the amount of RAM available on the card?

   1. `VRAM`

   2. `RAM`

   3. `VideoRam`

   4. `vRam`

44. **44.** When configuring a Screen section in an X configuration file, the Display subsection can contain the color depth. What is the name of the option to set the color depth of the given display?

   1. `ColorDepth`

   2. `Depth`

   3. `CDepth`

   4. `colorDep`

45. **45.** Multiple server layouts can be created within an X configuration file. Which option is used to differentiate between the different server layout options?

   1. `ID`

   2. `Identifier`

   3. `LayoutName`

   4. `Layout`

46. **46.** Which command can be used to create a `fonts.scale` file definition when executed against the current directory?

   1. `mkfontscale`

   2. `mk.fonts`

   3. `mkfontfile`

   4. `fontmk`

47. **47.** What is the abbreviation used in X to signify a display that utilizes additional features such as extended power-saving capabilities?

1. DPMS
2. XPMS
3. DISPPWR
4. PWRD

48. 48. What is the name of the accessibility function that provides an alternative to the Orca program to assist users that have visual impairments?

1. Viz
2. Emacspeak
3. Ahleah
4. vAssist