

X Server Test Cases

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Note: Please provide /var/log/Xorg.0.log file while reporting errors related to these packages.

1 Server Subcomponent

- Following packages subject to installation test:

```
xorg-server-common
xorg-server-devel
xorg-server-xdmx
xorg-server-xvfb
```

- Install xorg-server-xephyr and observe that a console window appears after typing the following command:

```
xinit -- /usr/bin/Xephyr :1
```

- Packages to be installed and tests to be applied are given below.

```
zorg
xorg-server
libdrm
mesa
```

1. Basic functions

- (a) Reboot your system and observe that the graphical login starts successfully.
- (b) Repeat the test with the option "Probe Again" selected in "Graphical Display (F4)" menu of boot loader.
- (c) Ensure that xterm package is installed and type the following command:

```
xinit -- :2
```

Observe that a terminal window is started in a new X screen. Move mouse cursor over the terminal window and type "exit" to return.

- (d) Move and resize an application window. Observe that these operations are performed smoothly and fast.
- 2. 3D support:
 - (a) Run "glxgears" and "glxgears -fullscreen" in a console window. Observe that three rotating gears appear without a problem.
- 3. VT switch:
 - (a) Press **Ctrl+Alt+F1** in the graphical screen. Observe that it switches to TTY console without a problem.
 - (b) Use **Ctrl+Alt+F7** buttons to go back. Observe that no problems appear with this switch.
- 4. Resolution test:
 - (a) Run Settings → Display Settings (for 2008, Display Manager in TASMA).
 - (b) On the screens module, choose a resolution for your output device.
 - (c) Relogin and check that the resolution you selected and the resolution appears in the output of "xrandr" command are same. There will be a * symbol near the current resolution.
- 5. Video test:
 - (a) Open a video file using one of the media players and observe that it plays without a problem.
- 6. (For 2009) Effect test:
 - (a) Toggle the effects using the module in System Settings → Desktop. Observe that no problems appear.

2 Driver Subcomponent

1. After installation virtualbox-guest-utils package:
Perform the tests given in hardware-tr.pdf.
2. After installation xorg-input-synaptics package:
You can test this package if the following command produces an output.

```
# grep -i synap /proc/bus/input/devices
```

Reboot your computer and observe that your touchpad device works correctly.

3. After installation xorg-input-vmmouse package:
You can test this package if you use a Pardus guest machine on vmware.
Test the integration works correctly in the guest machine.
4. After installation xorg-input-wacom package:
You can test this package if you have a Wacom tablet.
Plug your tablet and observe that it works correctly.

5. The following packages will be tested in the same way. You will test the driver which supports your video card.

For example: If you have an Alliance Promotion video card, you will test xorg-video-apm package.

You can see the detailed info about a package with the command below:

```
# pisi info <package name>
```

Ekran kartnzn ne olduuna dair bilgiye aada bulunan komut ile ulaabilirsiniz. In order to learn the video card you are using, see the output of the command below:

```
# lspci
```

```
xorg-video-apm
xorg-video-ast
xorg-video-cirru
xorg-video-fbdev (This driver can be used on any video card, so that it can be test
xorg-video-glint
xorg-video-i128
xorg-video-i740
xorg-video-intel
xorg-video-mach64
xorg-video-mga
xorg-video-neomagic
xorg-video-r128
xorg-video-radeon
xorg-video-radeonhd
xorg-video-s3
xorg-video-s3virge
xorg-video-savage
xorg-video-siliconmotion
xorg-video-sis
xorg-video-sisusb
xorg-video-tdfx
xorg-video-trident,
xorg-video-vesa (All testers can test this driver. Reboot in safe mode and perform
just like the other drivers.)
xorg-video-vmware (Test this if you have a VmWare guest machine)
xorg-video-voodoo
xorg-video-chips
```

- Reboot your computer and observe that the correct resolution is used. Observe that the drawing operations are not slow.
- Play the following video with one of the players like mplayer, kaffeing, etc. Observe that no problem exists.

```
# wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/cokluort
```

3 Terminal Subcomponent

1. After installation rxvt-unicode package:
Observe that an X console window appears.

```
# urxvt
```

The first command below starts the server. In a console window start the server and type the second command on another console. Observe that an X console window appears.

```
# urxvtd (start the server)
# urxvtc
```

2. After installation xterm package:
Observe that the following command open a new console window.

```
# xterm
```