Multimedia Test Cases

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1 Stream sub component

1. After installation streamripper package:

   Run the below commands, observe that the songs converted to stream.mp3 file and run correctly:

   ```
   streamripper http://yp.shoutcast.com/sbin/tunein-station.pls?id=509645 -a stream
   mplayer stream.mp3
   ```

2 Plugin alt Bileşeni

1. After installation kipi-plugins package:

   Follow menu → digikam → import → Import from facebook path and try to download photos from your facebook account. Observe that they are downloaded without any problem. (If this is the first use of digikam, please create a new album.)

3 Sound sub component

1. After installation pavucontrol package:

   Open the application from Kmenu and after that run the below file with amarok. Observe that the pavucontrol player part has some vibrations.

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/sound/sound/music.mp3
   ```

2. After installation jamin package:

   Open the application from Kmenu and run the a .jam file under /usr/share/jamin/examples directory. Observe that this file runs without any problem.

3. After installation frescobaldi package:

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/sound/test_frescobaldi.ly
   ```

   Open the file above with frescobaldi, click the Lilypond button at leftside and observe that a pdf document is generated.

4. After installation pulseaudio package:

   - Restart your system and be sure you hear opening sound.
   - Do the multimedia-eng.pdf amarok package test.

5. After installation sox package:

   Do the hardware-eng.pdf k3b test.

6. After installation amarok package:

   Download the zip file below and observe sound is clear.

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

7. After installation listen package:

   Run the program, go to /usr/kde/3.5/share/sounds/ directory from file manager and observe musics are listed correctly.

8. After installation vorbis-tools package:

```
# wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/sound/sound/game.ogg
# oggdec game.ogg
# mplayer game.wav
# oggenc game.wav
# mpleyer game.ogg
```

9. After installation qpitch package:

   Run the program from Kmenu and observe it works correctly.

10. After installation qjackctl package:

    Run qjackct from Kmenu. (meanwhile be sure that all sound devices are not open.)

    Click Start button, observe Jack sound server has been started from status and messages.

11. After installation lame ve lame-docs packages:

    Observe following commands are worked correctly:

```
# wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/sound/sound/music.mp3
# lame music.mp3 music.mpeg
# mplayer music.mpeg
```

12. After installation mpg123 package:

    Observe following commands are worked correctly:

```
# wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/sound/sound/music.mp3
# mpg123 music.mp3
```

4 Video sub component

1. After installation mplayer, vlc, kaffeine packages:

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

   Download the file and run all type files with the program. Observe it work correctly.

2. After installation vlc-firefox package:

   - Observe vlc plugin is being added on Firefox → Edit → Options → Manage add-ons → Plugins.
   - Open the files on firefox at that link below and observe they work correctly.

     `http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/cokluortam/`

3. After installation ffmpeg package:

   Observe the second command returns correct outputs and third command can run those outputs.

```
# wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/cokluortam.tar
# ffmpeg -i <multimedia dosyası> -r 24 <test dosyası>
# ffplay <multimedia dosyası>
```

4. After installation x264 package:

   Observe following commands are worked correctly:

```
# wget  http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/example.y4m.bz2
# x264 -o test.mp4 example.y4m.bz2 300x300
# mplayer test.mp4
```

5 Converter sub component

1. Following packages are subject to installation test:

   ```
   nrg2iso
   vnc2swf
   ```

2. After installation amrwb and amrnb packages:
   Do multimedia-eng.pdf sox and mplayer tests.

3. After installation ccd2iso package:

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/converter/default.img
   # ccd2iso default.img test.iso
   ```

   Observe the test.iso file is generated correctly.

4. After installation dvdbackup package:

   - Burn the following iso to DVD.

     ```
     # wget http://cekirdek.pardus.org.tr/~semen/dist/test/hardware/optical/boot.iso
     ```

   - If DVD is RW, follow /dev/dvdrw. if not, follow /dev/dvd inputs and execute following command and observe DVD is backuped correctly.

     ```
     # dvdbackup -i <input_path> -o <output_path> -M
     Example
     # dvdbackup -i /dev/dvdrw -o /home/pardus/dvd -M
     ```

5. After installation emovix package:
   Download the following file:

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/converter/default.img
   ```

   Observe following commands run correctly.

   ```
   # movix-version
   # movix-files
   # movix-conf
   # mkmovixiso default.img --output-file=default.iso
   ```

6. After installation ffmpeg2theora package:

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/cokluortam/DVD.mpg
   # ffmpeg2theora DVD.mpg
   ```

   - Observe the command above can create DVD.ogv correctly.
   - Run the file with mplayer and observe it works correctly.

7. After installation icns2png package:

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/converter/lazarus.png
   # icns2png lazarus.icns
   ```

   - Observe that command generate lazarus.png correctly.
   - Open this file with gwenview and observe it opens corretly.

8. After installation kaudiocreator package:

   - Burn an auido CD with k3b by using following sound files.

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

   - Run the kaudiocreator:
     Observe it runs correctly and it can list files on CD.
     Select the files and click Rip button.
     Observe a folder is generated on your Home directory (its name can be mp3 or wav or ogg.) and observe these files can be run with mplayer correctly.

9. After installation libnut package:

   Do multimedia-eng.pdf mplayer and ffmpeg tests.

10. After installation mkvtoolnix package:

    Run Applications → Multimedia → mkvmerge GUI program:

    Use the program to convert following files to .mkv format and observe the files can run on mplayer: (Click Add button to add the file and click to start muxing button.)

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

11. After installation mpeg2vidcodec package:

    ```
    # mkdir flower
    # cd flower
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/converter/flowgard.mpg
    # mpeg2decode -b flowgard.mpg -f -r -o0 sflowg.%d
    # cd ..
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/converter/flower2.par
    # mpeg2encode flower2.par flowgard.m2v
    # mplayer flowgard.m2v
    ```

    Observe the commands above work correctly.

12. After installation ogmtools package:

    Observe the following commands work correctly.

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/sound/sound/music.mp3
    # ogmmerge music.mp3 -o test.ogg
    # mplayer test.ogg
    ```

13. After installation potrace package:

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/converter/tepecik_01.pbm
    # potrace tepecik_01.pbm -o test.png
    # gwenview test.png
    ```

    Observe a png file is generated and it is displayable.

14. After installation shntool package:

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/sound/sound/11k16bitpcm.wav
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/sound/sound/11k16bitpcm2.wav
    # shncat 11k16bitpcm.wav
    # shncmp 11k16bitpcm.wav 11k16bitpcm2.wav
    ```

15. After installation shorten package:

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/sound/sound/11k16bitpcm.wav
    # shorten 11k16bitpcm.wav
    # mplayer 11k16bitpcm.shn
    ```

    Observe a .shn file is generated and it is executable.

16. After installation transcode package:

    - Do the hardware-eng.pdf k3b test.
    - Execute following commands:

      ```
      # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/cokluortam/
      Lake_dance_XviD.AVI
      # transcode -i Lake_dance_XviD.AVI -y xvid -o test.avi -k -z
      # mplayer test.avi
      ```

      Observe the test.avi works reserved.

17. After installation vcdimager package:

    - Do the hardware-eng.pdf k3b test.
    - Execute following commands and onserve they work correctly:

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/cokluortam/DVD.mpg
    # vcdimager DVD.mpg
    # vcd-info -b videocd.bin
    # vcdxgen DVD.mpg
    # vcdxminfo -i DVD.mpg
    ```

18. After installation vobcopy package:

6 Graphics sub component

1. Following packages are subject to installation test:

   ```
   gimp-data-extras
   ```

2. After installation yafaray ve yafaray-blender packages:

   Do the multimedia-eng.pdf blender package test.

3. After installation jasper package:

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/graphics/test_jasper.jpg
   # jiv test_jasper.jpg
   # jasper --input test_jasper.jpg --output test.jp2 --output-format jp2
   # jiv test.jp2
   ```

4. After installation gocr package:

   Execute following commands and observe the application can scan characters and write on a file named test.

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/graphics/font1.pbm.gz
   # gocr -i font1.pbm.gz -o test
   # vi test
   ```

5. After installation graphviz package:

   Execute following commands and observe they work correctly.

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/graphics/test_graphviz.mm
   # mm2gv  test_graphviz.mm -o test.gv
   # dotty test.gv
   # gv2gxl test.gv -o test.gxl
   # gxl2dot test.gxl test.dot
   # acyclic test.dot test_asyclic.dot
   # lneato test.dot
   # vimdot test.dot
   ```

6. After installation packages below, change your local language and open gimp at same directory on console and observe language is changed.

   For change local language:

   ```
   export LC_ALL= <lang_LANG>
   ```

   lang_LANG is format, for example: pt-BT is pt_BT.

   After that, execute gimp command and observe laguage is changed to which you decide.

   ```
   gimp-i18n-es
   gimp-i18n-sk
   gimp-i18n-sl
   gimp-i18n-sr
   gimp-i18n-sr_Latn
   ```

```
gimp-i18n-sv
gimp-i18n-ta
gimp-i18n-th
gimp-i18n-tt
gimp-i18n-uk
gimp-i18n-vi
gimp-i18n-et
gimp-i18n-eu
gimp-i18n-fa
gimp-i18n-fi
gimp-i18n-fr
gimp-i18n-ga
gimp-i18n-gl
gimp-i18n-gu
gimp-i18n-he
gimp-i18n-hi
gimp-i18n-xh
gimp-i18n-yi
gimp-i18n-zh_CN
gimp-i18n-zh_HK
gimp-i18n-zh_TW
gimp-i18n-hr
gimp-i18n-hu
gimp-i18n-id
gimp-i18n-is
gimp-i18n-it
gimp-i18n-ja
gimp-i18n-ka
gimp-i18n-km
gimp-i18n-kn
gimp-i18n-ko
gimp-i18n-lt
gimp-i18n-lv
gimp-i18n-mk
gimp-i18n-ml
gimp-i18n-mr
gimp-i18n-ms
gimp-i18n-nb
gimp-i18n-ne
gimp-i18n-nl
gimp-i18n-nn
gimp-i18n-oc
gimp-i18n-or
gimp-i18n-pa
gimp-i18n-pl
gimp-i18n-pt
gimp-i18n-pt_BR
gimp-i18n-ro
gimp-i18n-ru
gimp-i18n-rw
gimp-i18n-si
```

7. After installation GraphicsMagick package:
   Do the office-eng.pdf koffice-krita test.

8. After installation İmageJ package:
   Run the program from Kmenu and observe the file below is openable by following File → Open path.

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/office/openoffice/test_oodraw.jpg
   ```

9. After installation autotrace package:
   Execute following commands and observe they work correctly.

```
# wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/graphics/bmp_24.bmp
# autotrace bmp_24.bmp -output-file test.eps  -output-format eps
# gwenview test.eps
```

10. After installation gimp and gimp-devel packages:

    ```
    http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/graphics/graphics.tar
    ```

    Open the files at link above with gimp and observe they open correctly.

11. After installation digikam package:

    ```
    http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/graphics/graphics.tar
    ```

    Copy the files above to directory which is you selected for Digikam and observe it works correctly.

12. After installation imagemagick package:

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

    Observe the files above works correctly with following commands.

    ```
    # animate test_animate.gif
    # diplay test.*
    ```

13. After installation tuxpaint, tuxpaint-stamps and tuxpaint-doc packages:

    - Run the program and make some tracks and save, observe it works correctly.
    - Click the Stamps button and try to add a stamp from right side. Observe it can be added.
    - Execute the following command and click the open button and observe picture which is you imported is displayed by application.

      ```
      # tuxpaint-import /usr/share/tuxpaint/stamps/vehicles/ship/walnutBoat.png
      ```

14. After installation inkscape package:

    Open the file below with inkscape and change something on file. Observe that file works correctly.

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/graphics/drawing.svg
    ```

15. After installation asymptote package:

    Observe that following commands work correctly:

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/graphics/test_asymptote.tex
    # latex test_asymptote
    # asy test_asymptote
    # latex test_asymptote
    # okular test_asymptote.dvi
    ```

16. After installation dcmtk package:

    Observe that following commands work correctly:

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/graphics/test_dcmtk.dcm
    # dcmj2pnm test_dcmtk.dcm  test.png
    # gwenview test.png
    ```

17. After installation dcraw package:

    Observe that following commands work correctly:

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/graphics/test_dcraw.jpg
    # dcparse test_dcraw.jpg
    ```

7 Editor sub component

1. After installation lilypond package:

   Do multimedia-eng.pdf frescobaldi test.

2. After installation lilycomp package:

   Run the program on Kmenu and click the notes and observe you can see note codes.

3. After installation kino package:

   Run the program on Kmenu and open the file below and try to cut from some points with pushing trim button.

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/editor/sample.dv
   ```

4. After installation kid3 package:

   Run the program on Kmenu and open the file below with following File → Open path and try edit tag part, observe that you can edit.

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/cokluortam/linux.mp3
   ```

5. After installation blender package:

   Open the program on Kmenu and observe that desktop icon is not lost and work correctly.

6. After installation dvd-slideshow package:

   Execute the following commands and observe a slideshow is created.

   ```
   # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/editor/image.tar.gz
   # dir2slideshow -n test -s "slide test" image
   # dvd-slideshow image.txt
   # mplayer image.vob
   ```

7. After installation kdenlive package:

   Open the Kdenlive and follow Projects → Add Clip add file below and run. Observe there is not a video and sound problem.

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

8. After installation kiconedit package:

   Run the program from menu, follow File → Open and select a icon which is locate on /usr/kde/4/share/apps/amarok/icons/hic and observe it opens correctly.

9. After installation dvdauthor package:

   Do multimedia-eng.pdf dvd-slideshow and kdenlive tests.

10. After installation avidemux-common package:

    Do multimedia-eng.pdf avidemux test.

11. After installation avidemux and avidemux-qt packages:

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/cokluortam/Lake_dance_XviD.AVI
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/cokluortam/MPEG-1_with_
    VCD_extensions.mpeg
    ```

    Open files with the program. Go → Play/Stop and observe there is not a video or sound problem.

12. After installation avidemux-cli package:

    Observe that video.mpeg has been created correctly.

    ```
    # wget http://cekirdek.pardus.org.tr/~semen/dist/test/multimedia/video/cokluortam/Lake_dance_XviD.AVI
    # avidemux2_cli --force-alt-h264 --load "Lake_dance_XviD.AVI" --save "video.mpeg"
    --output-format MPEG --quit
    # mplayer video.mpeg
    ```