

# Install MPV Player and SMPlayer in CentOS 7<sup>5</sup>

4 May, 2016 in Uncategorized by Scott Millard

MPV Player seems to be a very good, comprehensive, media player. The latest offspring of mplayer.

SMPlayer is a front end for it.

Please note, that I have the EPEL Repository installed:

Install the EPEL Repository

Install MPV:

The install was cobbled together from information from the following pages and watching the failures when trying to compile.

I especially love (\*sarcasm\*) the fact that they give an incomplete list of the essential dependencies. Why would anyone need a complete list of things that are essential for success?

mpv-build

mpv

ffmpeg

1. Terminal
2. su
3. [my root password]
4. yum install yasm
5. yum install fribidi
6. yum install youtube-dl
7. yum install freetype-devel
8. yum install fribidi-devel

```
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5. yum install fribidi
6. yum install youtube-dl
7. yum install freetype-devel
8. yum install fribidi-devel
9. yum install fontconfig-devel
10. yum install harfbuzz-devel
11. yum install cmake
12. yum install mercurial
13. yum install nasm
14. yum install openssl-devel
15. yum install libX11-devel
16. yum install python-docutils
17. yum install luajit-devel
18. yum install libbluray-devel
19. yum install libdvdread-devel
20. yum install libcdio-paranoia-devel
21. yum install lcms2-devel
22. yum install pulseaudio-libs-devel
23. yum install jack-audio-connection-kit-devel
24. yum install alsa-lib-devel
25. yum install libdrm-devel
26. yum install libxkbcommon-devel
27. yum install libXScrnSaver-devel
28. yum install libXext-devel
29. yum install libXv-devel
30. yum install PyQt4-devel
31. yum install libvdpau-devel
32. yum install libva-devel
33. yum install gstreamer1-vaapi-devel
34. yum install libcaca-devel
35. cd /opt
36. git clone https://github.com/mpv-player/mpv-build.git
37. cd mpv-build
38. echo --enable-openssl >> ffmpeg_options
39. echo --enable-nonfree >> ffmpeg_options
40. ./rebuild -j4
41. ./install
```

I'm not even sure if everything that was installed, was necessary to compile a working copy of mpv player, or that everything that is necessary to enable all of the features, was installed.

But the command line, and drag and drop gui, mpv player, should now play videos and web streams. I've tested it on an mkv video, an avi video, a youtube video and an RTMP Stream.

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Install SMPlayer:

The install was based on instructions from the "Generic Compilation" section in the "Install.txt" file found in the download of the source code from here:

SMPlayer

```
1. http://downloads.sourceforge.net/smplayer/smplayer-16.4.0.tar.bz2
2. Terminal
3. su
4. [my root password]
5. cd Downloads
6. tar -xvf smplayer-16.4.0.tar.bz2
7. cp smplayer-16.4.0 /opt
8. cd /opt/smplayer-16.4.0
9. make QMAKE=qmake-qt4 LRELEASE=lrelease-qt4
10. make install
```

I believe that it requires the PyQt4-devel package, that was installed when working on MPV Player.

If everything goes well, you should now have SMPlayer compiled and installed.

If we look under Applications, Sound & Video, we should see icons for both, mpv Media Player and SMPlayer.

When we launch SMPlayer, if we go to Options, Preferences, we see that the multimedia engine points to /usr/local/bin/mpv.

I have tested SMPlayer with the same video files, youtube site and RTMP Stream, as with MPV Player.