

Tomasz Jąder

Budowa Pakietu ze źródła

Generowania klucza

```
kali@kali:~/myapp/mocp$ gpg --gen-key
gpg (GnuPG) 2.2.27; Copyright (C) 2021 Free Software Foundation, Inc.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

Note: Use "gpg --full-generate-key" for a full featured key generation dialog.

GnuPG needs to construct a user ID to identify your key.

Real name: Tomasz Jader
Email address: tomasz.jader@gmail.com
You selected this USER-ID:
    "Tomasz Jader <tomasz.jader@gmail.com>"

Change (N)ame, (E)mail, or (O)kay/(Q)uit? O
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
gpg: key 85AC24E9FF09CDD9 marked as ultimately trusted
gpg: revocation certificate stored as '/home/kali/.gnupg/openpgp-revocs.d/809C3B90B83769D5E97FEB6A85AC24E9FF09CDD9.rev'
public and secret key created and signed.

pub   rsa3072 2021-07-13 [SC] [expires: 2023-07-13]
       809C3B90B83769D5E97FEB6A85AC24E9FF09CDD9
uid           Tomasz Jader <tomasz.jader@gmail.com>
sub   rsa3072 2021-07-13 [E] [expires: 2023-07-13]

kali@kali:~/myapp/mocp$
```

Instalowanie potrzebnych pakietów : build-essential autoconf automake

```
kali@kali:~/myapp/mocp$ sudo apt-get install build-essential
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
build-essential is already the newest version (12.9).
0 upgraded, 0 newly installed, 0 to remove and 38 not upgraded.
kali@kali:~/myapp/mocp$ sudo apt-get install autoconf
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
autoconf is already the newest version (2.69-14).
0 upgraded, 0 newly installed, 0 to remove and 38 not upgraded.
kali@kali:~/myapp/mocp$ sudo apt-get install automake
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
automake is already the newest version (1:1.16.3-2).
automake set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 38 not upgraded.
```

## Instalowanie pakietu autotools-dev

```
kali@kali:~/myapp/mocp$ sudo apt-get install autotools-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
autotools-dev is already the newest version (20180224.1+nmu1).
autotools-dev set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 38 not upgraded.
kali@kali:~/myapp/mocp$ sudo apt-get install dh-make
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  debhelper dh-autoreconf dh-strip-nondeterminism dwz intltool-debian libarchive-cpio-perl
  libarchive-zip-perl libdebhelper-perl libfile-stripnondeterminism-perl libmail-sendmail-perl
  libsub-override-perl libsys-hostname-long-perl po-debconf
Suggested packages:
  libmail-box-perl
The following NEW packages will be installed:
  debhelper dh-autoreconf dh-make dh-strip-nondeterminism dwz intltool-debian
  libarchive-cpio-perl libarchive-zip-perl libdebhelper-perl libfile-stripnondeterminism-perl
  libmail-sendmail-perl libsub-override-perl libsys-hostname-long-perl po-debconf
0 upgraded, 14 newly installed, 0 to remove and 38 not upgraded.
Need to get 1,950 kB of archives.
After this operation, 3,865 kB of additional disk space will be used.
Do you want to continue? [Y/n]
Get:1 http://kali.koyanet.lv/kali kali-rolling/main amd64 libdebhelper-perl all 13.3.4 [189 kB]
Get:2 http://kali.koyanet.lv/kali kali-rolling/main amd64 dh-autoreconf all 20 [17.1 kB]
Get:3 http://kali.koyanet.lv/kali kali-rolling/main amd64 libarchive-zip-perl all 1.68-1 [104 kB]
Get:4 http://kali.koyanet.lv/kali kali-rolling/main amd64 libsub-override-perl all 0.09-2 [10.2 kB]
Get:5 http://kali.koyanet.lv/kali kali-rolling/main amd64 libfile-stripnondeterminism-perl all 1.11.0-1 [25.6 kB]
Get:6 http://kali.koyanet.lv/kali kali-rolling/main amd64 dh-strip-nondeterminism all 1.11.0-1 [15.
Unpacking debhelper (13.3.4) ...
Selecting previously unselected package dh-make.
Preparing to unpack .../10-dh-make_2.202003_all.deb ...
Unpacking dh-make (2.202003) ...
Selecting previously unselected package libarchive-cpio-perl.
Preparing to unpack .../11-libarchive-cpio-perl_0.10-1.1_all.deb ...
Unpacking libarchive-cpio-perl (0.10-1.1) ...
Selecting previously unselected package libsys-hostname-long-perl.
Preparing to unpack .../12-libsys-hostname-long-perl_1.5-2_all.deb ...
Unpacking libsys-hostname-long-perl (1.5-2) ...
Selecting previously unselected package libmail-sendmail-perl.
Preparing to unpack .../13-libmail-sendmail-perl_0.80-1.1_all.deb ...
Unpacking libmail-sendmail-perl (0.80-1.1) ...
Setting up libarchive-zip-perl (1.68-1) ...
Setting up libdebhelper-perl (13.3.4) ...
Setting up intltool-debian (0.35.0+20060710.5) ...
Setting up dh-autoreconf (20) ...
Setting up dwz (0.13+20210201-1) ...
Setting up libarchive-cpio-perl (0.10-1.1) ...
Setting up libsub-override-perl (0.09-2) ...
Setting up libsys-hostname-long-perl (1.5-2) ...
Setting up libfile-stripnondeterminism-perl (1.11.0-1) ...
Setting up po-debconf (1.0.21+nmu1) ...
Setting up libmail-sendmail-perl (0.80-1.1) ...
Setting up dh-strip-nondeterminism (1.11.0-1) ...
Setting up debhelper (13.3.4) ...
Setting up dh-make (2.202003) ...
Processing triggers for man-db (2.9.4-2) ...
Processing triggers for kali-menu (2021.2.3) ...
kali@kali:~/myapp/mocp$
```

## Instalowanie pakietu: debhelper

```
kali@kali:~/myapp/mocp$ sudo apt-get install debhelper
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
debhelper is already the newest version (13.3.4).
debhelper set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 38 not upgraded.
```

## Instalowanie pakietu: devscripts

```
kali@kali:~/myapp/mocp$ sudo apt-get install devscripts
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  debian-keyring diffstat dput equivs libaliased-perl libarray-intspan-perl libauthen-sasl-perl
  libb-hooks-endofscope-perl libb-hooks-op-check-perl libcapture-tiny-perl
  libclass-data-inheritable-perl libclass-inspector-perl libclass-method-modifiers-perl
  libclass-xsaccessor-perl libclone-perl libcommon-sense-perl libconfig-tiny-perl
  libconst-fast-perl libcontextual-return-perl libconvert-binx-perl libcpanel-json-xs-perl
  libdata-dpath-perl libdata-messagepack-perl libdata-optlist-perl libdata-validate-domain-perl
  libdevel-callchecker-perl libdevel-size-perl libdevel-stacktrace-perl libdistro-info-perl
  libdynamloader-functions-perl libemail-address-xs-perl libexception-class-perl
  libfile-basedir-perl libfile-chdir-perl libfile-dirlist-perl libfile-find-rule-perl
  libfile-homedir-perl libfile-touch-perl libfile-which-perl libfont-ttf-perl
  libgetopt-long-descriptive-perl libgit-wrapper-perl libgitlab-api-v4-perl
  libhash-fieldhash-perl libhtml-html5-entities-perl libhttp-daemon-perl
  libhttp-tiny-multipart-perl libimport-into-perl libio-prompter-perl libio-pty-perl
  libio-sessiondata-perl libio-string-perl libio-stringy-perl libipc-run-perl libipc-run3-perl
  libipc-system-simple-perl libiterator-perl libiterator-util-perl libjson-maybexs-perl
  libjson-perl libjson-xs-perl liblist-compare-perl liblist-someutils-perl
  liblist-someutils-xs-perl liblist-utlsby-perl liblog-any-adapter-screen-perl liblog-any-perl
  libmailtools-perl libmarkdown2 libmime-tools-perl libmodule-implementation-perl
  libmodule-runtime-perl libmoo-perl libmoox-aliases-perl libmoox-struct-perl libmouse-perl
  libnamespace-autoclean-perl libnamespace-clean-perl libnet-domain-tld-perl libnet-smtp-ssl-perl
  libnumber-compare-perl libnumber-range-perl libobject-id-perl libossp-uuid-perl libossp-uuid16
  libpackage-stash-perl libpackage-stash-xs-perl libparams-classify-perl libparams-util-perl
  libparams-validate-perl libpath-iterator-rule-perl libpath-tiny-perl libperl-io-gzip-perl
  libpod-constants-perl libproc-processtable-perl libre-engine-re2-perl libre2-9 libreadonly-perl
  libref-util-perl libref-util-xs-perl libregexp-pattern-license-perl libregexp-pattern-perl
  librole-tiny-perl libsereal-decoder-perl libsereal-encoder-perl libsoap-lite-perl
  libsort-key-perl libsort-versions-perl libstrictures-perl libstring-copyright-perl
  libstring-escape-perl libstring-shellquote-perl libsub-exporter-perl
  libsub-exporter-progressive-perl libsub-identify-perl libsub-install-perl libsub-name-perl
  libsub-quote-perl libsys-cpuaffinity-perl libtask-weaken-perl libtext-glob-perl
  libtext-levenshteinx-perl libtext-markdown-discount-perl libtext-xslate-perl
  libtime-duration-perl libtime-moment-perl libtype-tiny-perl libtype-tiny-xs-perl
  libtypes-serialiser-perl libunicode-utf8-perl libvariable-magic-perl libwant-perl libxdelta2
  libxml-libxml-perl libxml-namespacesupport-perl libxml-sax-base-perl libxml-sax-expat-perl
  libxml-sax-perl libxmlrpc-lite-perl libyaml-libyaml-perl licensecheck lintian lzip lzop
  patchutils pbzip2 pixz pristine-tar python3-unidiff strace tutils wdiff xdelta xdelta3
Suggested packages:
  adequate at autopkgtest bls-standalone bsd-mailx | mailx check-all-the-things cvs-buildpackage
```



```

Replacing config file /etc/perl/XML/SAX/ParserDetails.ini with new version
Setting up libgit-wrapper-perl (0.048-1) ...
Setting up pristine-tar (1.49) ...
Setting up libsub-exporter-perl (0.987-1) ...
Setting up libiterator-perl (0.03+ds1-1.1) ...
Setting up libsoap-lite-perl (1.27-1) ...
Setting up libiterator-util-perl (0.02+ds1-1.1) ...
Setting up libparams-classify-perl (0.015-1+b3) ...
Setting up libmodule-runtime-perl (0.016-1) ...
Setting up libconst-fast-perl (0.014-1.1) ...
Setting up libxmlrpc-lite-perl (0.717-4) ...
Setting up libdata-dpath-perl (0.58-1) ...
Setting up libmodule-implementation-perl (0.09-1.1) ...
Setting up libpackage-stash-perl (0.39-1) ...
Setting up libimport-into-perl (1.002005-1) ...
Setting up libmoo-perl (2.004004-1) ...
Setting up liblist-someutils-perl (0.58-1) ...
Setting up liblist-someutils-xs-perl (0.58-2+b1) ...
Setting up devscripts (2.21.3) ...
Setting up libmoox-aliases-perl (0.001006-1.1) ...
Setting up libparams-validate-perl:amd64 (1.30-1+b1) ...
Setting up libb-hooks-endofscope-perl (0.24-1.1) ...
Setting up libnamespace-clean-perl (0.27-1) ...
Setting up libgetopt-long-descriptive-perl (0.105-1) ...
Setting up libnamespace-autoclean-perl (0.29-1) ...
Setting up libgitlab-api-v4-perl (0.26-1) ...
Setting up libmoox-struct-perl (0.020-1) ...
Setting up lintian (2.104.0) ...
Setting up licensecheck (3.1.1-2) ...
Processing triggers for libc-bin (2.31-12) ...
Processing triggers for man-db (2.9.4-2) ...
Processing triggers for kali-menu (2021.2.3) ...
kali@kali:~/myapp/mocp$

```

Instalowanie potrzebnych pakietów: fakeroot, xutils

```

kali@kali:~/myapp/mocp$ sudo apt-get install fakeroot
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
fakeroot is already the newest version (1.25.3-1.1).
fakeroot set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 38 not upgraded.
kali@kali:~/myapp/mocp$ sudo apt-get install xutils
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  x11-xfs-utils
The following NEW packages will be installed:
  xutils
0 upgraded, 1 newly installed, 0 to remove and 38 not upgraded.
Need to get 38.6 kB of archives.
After this operation, 47.1 kB of additional disk space will be used.
Get:1 http://http.kali.org/kali kali-rolling/main amd64 xutils all 1:7.7+22 [38.6 kB]
Fetched 38.6 kB in 1s (34.7 kB/s)
Selecting previously unselected package xutils.
(Reading database ... 351388 files and directories currently installed.)
Preparing to unpack .../xutils_1%3a7.7+22_all.deb ...
Unpacking xutils (1:7.7+22) ...
Setting up xutils (1:7.7+22) ...

```

## Instalowanie potrzebnych pakietów: lintian pbuilder

```
kali@kali:~/myapp/mocp$ sudo apt-get install lintian
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
lintian is already the newest version (2.104.0).
lintian set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 38 not upgraded.
kali@kali:~/myapp/mocp$ sudo apt-get install pbuilder
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  arch-test debootstrap eatmydata libeatmydata1
Suggested packages:
  ubuntu-archive-keyring squid-deb-proxy-client cowdancer gdebi-core
The following NEW packages will be installed:
  arch-test debootstrap eatmydata libeatmydata1 pbuilder
0 upgraded, 5 newly installed, 0 to remove and 38 not upgraded.
Need to get 480 kB of archives.
After this operation, 1,629 kB of additional disk space will be used.
Do you want to continue? [Y/n]
Get:1 http://kali.koyanet.lv/kali kali-rolling/main amd64 arch-test all 0.17-1 [12.9 kB]
Get:2 http://kali.koyanet.lv/kali kali-rolling/main amd64 debootstrap all 1.0.123 [75.3 kB]
Get:3 http://kali.koyanet.lv/kali kali-rolling/main amd64 libeatmydata1 amd64 105-9 [15.5 kB]
Get:4 http://kali.koyanet.lv/kali kali-rolling/main amd64 eatmydata all 105-9 [16.2 kB]
Get:5 http://kali.koyanet.lv/kali kali-rolling/main amd64 pbuilder all 0.231 [360 kB]
```

```

Fetched 480 kB in 2s (207 kB/s)
Preconfiguring packages ...
Selecting previously unselected package arch-test.
(Reading database ... 351391 files and directories currently installed.)
Preparing to unpack .../arch-test_0.17-1_all.deb ...
Unpacking arch-test (0.17-1) ...
Selecting previously unselected package debootstrap.
Preparing to unpack .../debootstrap_1.0.123_all.deb ...
Unpacking debootstrap (1.0.123) ...
Selecting previously unselected package libeatmydata1:amd64.
Preparing to unpack .../libeatmydata1_105-9_amd64.deb ...
Unpacking libeatmydata1:amd64 (105-9) ...
Selecting previously unselected package eatmydata.
Preparing to unpack .../eatmydata_105-9_all.deb ...
Unpacking eatmydata (105-9) ...
Selecting previously unselected package pbuilder.
Preparing to unpack .../pbuilder_0.231_all.deb ...
Unpacking pbuilder (0.231) ...
Setting up debootstrap (1.0.123) ...
Setting up pbuilder (0.231) ...
Setting up libeatmydata1:amd64 (105-9) ...
Setting up arch-test (0.17-1) ...
Setting up eatmydata (105-9) ...
Processing triggers for libc-bin (2.31-12) ...
Processing triggers for man-db (2.9.4-2) ...
Processing triggers for kali-menu (2021.2.3) ...
kali@kali:~/myapp/mocp$
```

## Przygotowanie katalogu do budowania pakietu

```
kali@kali:~$ mkdir -p ~/build/mocp/2.3

kali@kali:~$ cp Downloads/mocp-2.3 ~/build/mocp/2.3/ -r

kali@kali:~$ cd ~/build/mocp/2.3/

kali@kali:~/build/mocp/2.3$ tar -zcvf mocp-2.3.tar.gz mocp-2.3/
mocp-2.3/
mocp-2.3/files.c.gz
mocp-2.3/tags_cache.c.gz
mocp-2.3/README.gz
mocp-2.3/utf8.h.gz
mocp-2.3/options.h.gz
mocp-2.3/sndio_out.h.gz
mocp-2.3/server.h.gz
mocp-2.3/keymap.example.gz
mocp-2.3/equalizer.h.gz
mocp-2.3/config.sub.gz
mocp-2.3/lists.h.gz
mocp-2.3/player.c.gz
mocp-2.3/null_out.c.gz

mocp-2.3/.git/hooks/prepare-commit-msg.sample
mocp-2.3/.git/hooks/pre-push.sample
mocp-2.3/.git/HEAD
mocp-2.3/.git/info/
mocp-2.3/.git/info/exclude
mocp-2.3/.git/objects/
mocp-2.3/.git/objects/pack/
mocp-2.3/.git/objects/pack/pack-6cde2fa6ee8356df7ab5384839894364cefb4c3.idx
mocp-2.3/.git/objects/pack/pack-6cde2fa6ee8356df7ab5384839894364cefb4c3.pack
mocp-2.3/.git/objects/info/
mocp-2.3/alsa.c.gz
mocp-2.3/themes.h.gz
mocp-2.3/audio_conversion.c.gz
kali@kali:~/build/mocp/2.3$ cd mocp-2.3/
kali@kali:~/build/mocp/2.3/mocp-2.3$
```

## Przygotowanie struktury pakietu

```
kali@kali:~/build/mocp/2.3/mocp-2.3$ dh_make -e tomasz.jader@gmail.com -f ../mocp-2.3.tar.gz
Type of package: (single, indep, library, python)
[s/i/l/p]?
Maintainer Name      : kali
Email-Address        : tomasz.jader@gmail.com
Date                 : Tue, 13 Jul 2021 19:56:45 -0400
Package Name         : mocp
Version              : 2.3
License              : blank
Package Type         : single
Are the details correct? [Y/n/q]
Please respond with "yes", "no" or "quit" (or "y", "n" or "q")
Please respond with "yes", "no" or "quit" (or "y", "n" or "q")
Please respond with "yes", "no" or "quit" (or "y", "n" or "q")
Currently there is not top level Makefile. This may require additional tuning
Done. Please edit the files in the debian/ subdirectory now.

kali@kali:~/build/mocp/2.3/mocp-2.3$
```



## Uzupełnienie pliku control o niezbędne biblioteki i opis pakietu

```
GNU nano 5.4 control
Source: mocp
Section: unknown
Priority: optional
Maintainer: kali <tomasz.jader@gmail.com>
Build-Depends: debhelper-compat (= 13)
Standards-Version: 4.5.1
Homepage: <insert the upstream URL, if relevant>
#Vcs-Browser: https://salsa.debian.org/debian/mocp
#Vcs-Git: https://salsa.debian.org/debian/mocp.git
Rules-Requires-Root: no

Package: mocp
Architecture: any
Depends: ${shlibs:Depends}, ${misc:Depends}
Description: MOC (music on console) is a console audio player for Linux
MOC (music on console) is a console audio player for Linux/Unix designed to be powerful and easy
```

## Otworzenie pliku copyright

```
File Actions Edit View Help
GNU nano 5.4 copyright
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: mocp
Upstream-Contact: <preferred name and address to reach the upstream project>
Source: <url://example.com>

Files: *
Copyright: <years> <put author's name and email here>
          <years> <likewise for another author>
License: <special license>
        <Put the license of the package here indented by 1 space>
        <This follows the format of Description: lines in control file>
        .
        <Including paragraphs>

# If you want to use GPL v2 or later for the /debian/* files use
# the following clauses, or change it to suit. Delete these two lines
Files: debian/*
Copyright: 2021 kali <tomasz.jader@gmail.com>
License: GPL-2+
This package is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the license, or
(at your option) any later version.
.
This package is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.
.
You should have received a copy of the GNU General Public License
along with this program. If not, see <https://www.gnu.org/licenses/>
.
On Debian systems, the complete text of the GNU General
Public License version 2 can be found in "/usr/share/common-licenses/GPL-2".

# Please also look if there are files or directories which have a
# different copyright/license attached and list them here.
# Please avoid picking licenses with terms that are more restrictive than the
# packaged work, as it may make Debian's contributions unacceptable upstream.
#
# If you need, there are some extra license texts available in two places:
# /usr/share/debhelper/dh_make/licenses/
# /usr/share/common-licenses/
```

Sprawdzenie czy adres email jest zgodnym z tym podanym podczas tworzenia klucza gpg w pliku changelog

```
GNU nano 5.4                                changelog
mocp (2.3-1) unstable; urgency=medium

* Initial release (Closes: #nnnn) <nnnn is the bug number of your ITP>

-- kali <tomasz.jader@gmail.com> Tue, 13 Jul 2021 19:56:45 -0400
```

Budowanie pa

```
debian/rules binary
dh binary
dh_update_autotools_config
dh_autoreconf
create-stamp debian/debhelper-build-stamp
dh_prep
dh_installdocs
dh_installchangelogs
dh_perl
dh_link
dh_strip_nondeterminism
dh_compress
dh_fixperms
dh_missing
dh_dwz -a

kali@kali:~/build/mocp/2.3/mocp-2.3$ sudo dpkg-buildpackage -rfakeroot
[sudo] password for kali:
dpkg-buildpackage: info: source package mocp
dpkg-buildpackage: info: source version 2.3-1
dpkg-buildpackage: info: source distribution unstable
dpkg-buildpackage: info: source changed by kali <tomasz.jader@gmail.com>
dpkg-buildpackage: info: host architecture amd64
dpkg-source --before-build .
dpkg-source: info: using source format '3.0 (quilt)'
dpkg-source: info: building mocp using existing ./mocp_2.3.orig.tar.gz
dpkg-source: warning: ignoring deletion of directory autom4te.cache
dpkg-source: warning: ignoring deletion of file autom4te.cache/requests, use --include-removal to o
dpkg-source: warning: ignoring deletion of file autom4te.cache/output.1, use --include-removal to o
dpkg-source: warning: ignoring deletion of file autom4te.cache/traces.0, use --include-removal to o
dpkg-source: warning: ignoring deletion of file autom4te.cache/output.2, use --include-removal to o
dpkg-source: warning: ignoring deletion of file autom4te.cache/traces.1, use --include-removal to o
dpkg-source: warning: ignoring deletion of file autom4te.cache/traces.2, use --include-removal to o
dpkg-source: warning: ignoring deletion of file autom4te.cache/output.0, use --include-removal to o
dpkg-source: info: building mocp in mocp_2.3-1.debian.tar.xz
dpkg-source: info: building mocp in mocp_2.3-1.dsc
dpkg-source: info: building mocp in mocp_2.3-1.dsc
dpkg-source: info: building mocp in mocp_2.3-1.dsc
```



```

dh_strip -a
dh_makeshlibs -a
dh_shlibdeps -a
dh_installdeb
dh_gencontrol
dpkg-gencontrol: warning: Depends field of package mocp: substitution variable ${shlibs:Depends} used, but is not defined
dh_md5sums
dh_builddeb
dpkg-deb: building package 'mocp' in '../mocp_2.3-1_amd64.deb'.
dpkg-genbuildinfo
dpkg-genchanges > ../mocp_2.3-1_amd64.changes
dpkg-genchanges: info: including full source code in upload
dpkg-source --after-build .
dpkg-buildpackage: info: full upload (original source is included)
kali@kali:~/build/mocp/2.3/mocp-2.3$

```

## Instalowanie pakietu mocp

```

kali@kali:~/build/mocp/2.3$ sudo dpkg -i mocp_2.3-1_amd64.deb
Selecting previously unselected package mocp.
(Reading database ... 351625 files and directories currently installed.)
Preparing to unpack mocp_2.3-1_amd64.deb ...
Unpacking mocp (2.3-1) ...
Setting up mocp (2.3-1) ...

```

## Po zainstalowaniu z pakietu program działa

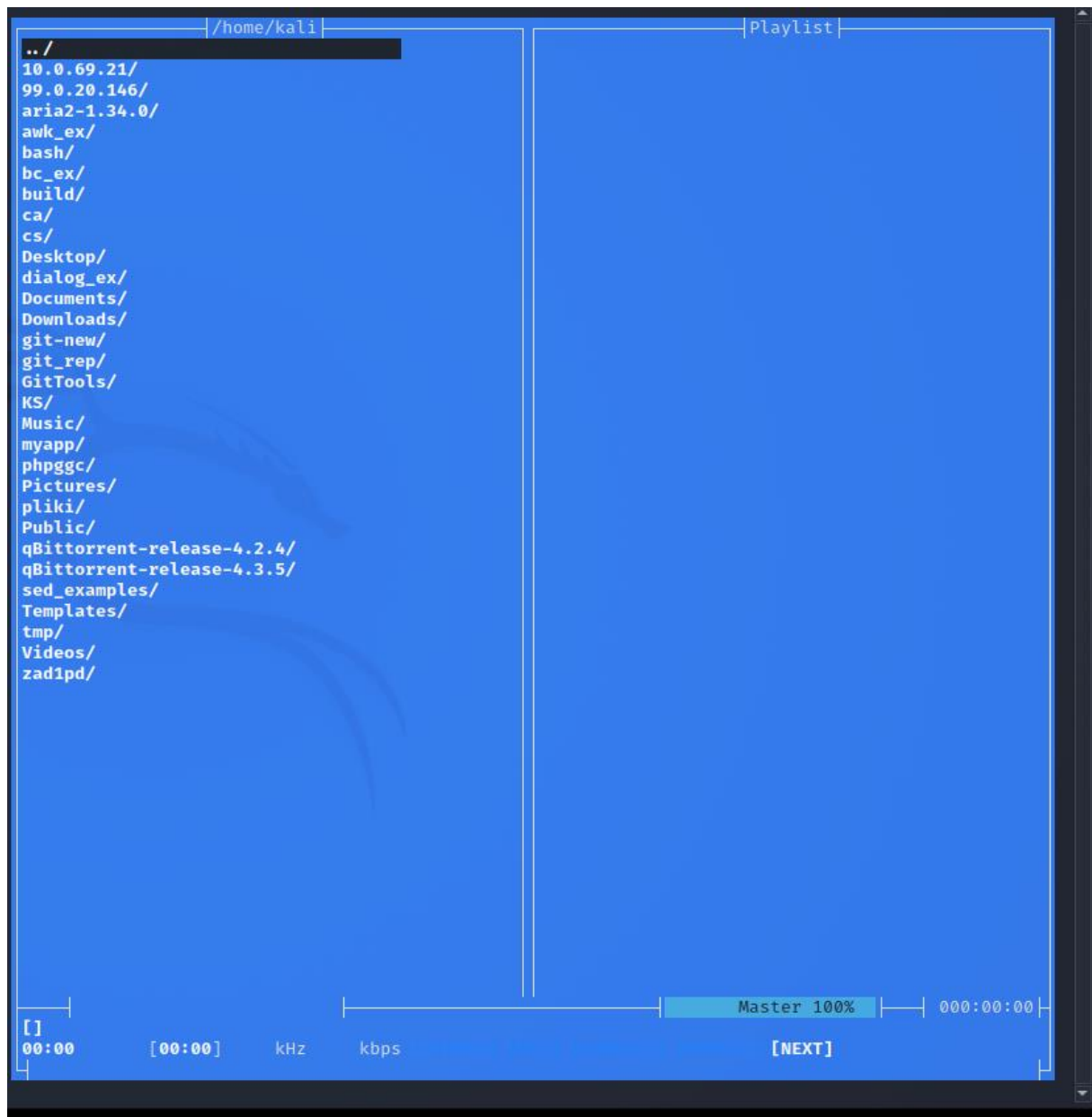
```

kali@kali:~$ mocp -h
Music On Console (version 2.6-alpha3)
Usage: mocp [OPTIONS] [FILE|DIR ...]

General options:
  -D, --debug                Turn on logging to a file
  -M, --moc-dir=DIR          Use the specified MOC directory instead of the default
                             Start in MusicDir
  -m, --music-dir            Use the specified config file instead of the default
                             (conflicts with '--no-config')
  -C, --config=FILE          Use program defaults rather than any config file (conflicts
                             with '--config')
  --no-config                Override the configuration option NAME with VALUE
  -O, --set-option='NAME=VALUE'
  -F, --foreground           Run the server in foreground (logging to stdout)
  -S, --server               Only run the server
  -R, --sound-driver=DRIVERS Use the first valid sound driver
  -A, --ascii                Use ASCII characters to draw lines
  -T, --theme=FILE           Use the selected theme file (read from ~/.moc/themes if the
                             path is not absolute)
  -y, --sync                 Synchronize the playlist with other clients
  -n, --nosync               Don't synchronize the playlist with other clients

Server commands:
  -P, --pause                Pause
  -U, --unpause              Unpause
  -G, --toggle-pause         Toggle between playing and paused
  -s, --stop                 Stop playing
  -f, --next                 Play the next song
  -r, --previous             Play the previous song
  -k, --seek=N               Seek by N seconds (can be negative)
  -j, --jump=N{%,s}          Jump to some position in the current track
  -v, --volume=[+,-]LEVEL    Adjust the PCM volume
  -x, --exit                 Shutdown the server
  -a, --append                Append the files/directories/playlists passed in the command
                             line to playlist
  -e, --recursively          Alias for --append
  -q, --enqueue              Add the files given on command line to the queue
  -c, --clear                Clear the playlist
  -p, --play                 Start playing from the first item on the playlist
  -l, --playit                Play files given on command line without modifying the
                             playlist
  -t, --toggle=CONTROL        Toggle a control (shuffle, autonext, repeat)
  -o, --on=CONTROL           Turn on a control (shuffle, autonext, repeat)
  -u, --off=CONTROL          Turn off a control (shuffle, autonext, repeat)
  -i, --info                 Print information about the file currently playing
  -Q, --format=FORMAT        Print formatted information about the file currently playing

```



Nie udało mi się stworzyć pakietu rpm. Dlatego pobrałam narzędzie alien

Które zmienia pakiet deb -> rpm

```
kali@kali:~$ sudo apt-get install alien
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  debugedit librpm9 librpmbuild9 librpmio9 librpmsign9 rpm rpm-common rpm2cpio
Suggested packages:
  rpm-i18n elfutils rpmlint rpm2html
The following NEW packages will be installed:
  alien debugedit librpm9 librpmbuild9 librpmio9 librpmsign9 rpm rpm-common rpm2cpio
0 upgraded, 9 newly installed, 0 to remove and 38 not upgraded.
Need to get 12.2 MB of archives.
After this operation, 13.9 MB of additional disk space will be used.
Do you want to continue? [Y/n]
Get:1 http://http.kali.org/kali kali-rolling/main amd64 librpmio9 amd64 4.16.1.2+dfsg1-3 [1,530 kB]
Get:2 http://http.kali.org/kali kali-rolling/main amd64 librpm9 amd64 4.16.1.2+dfsg1-3 [1,630 kB]
Get:3 http://http.kali.org/kali kali-rolling/main amd64 librpmbuild9 amd64 4.16.1.2+dfsg1-3 [1,523 kB]
Get:4 http://http.kali.org/kali kali-rolling/main amd64 librpmsign9 amd64 4.16.1.2+dfsg1-3 [1,457 kB]
Get:5 http://http.kali.org/kali kali-rolling/main amd64 rpm-common amd64 4.16.1.2+dfsg1-3 [1,479 kB]
Get:6 http://http.kali.org/kali kali-rolling/main amd64 rpm2cpio amd64 4.16.1.2+dfsg1-3 [1,458 kB]
Get:7 http://http.kali.org/kali kali-rolling/main amd64 debugedit amd64 4.16.1.2+dfsg1-3 [1,472 kB]
Get:8 http://http.kali.org/kali kali-rolling/main amd64 rpm amd64 4.16.1.2+dfsg1-3 [1,576 kB]
Get:9 http://kali.koyanet.lv/kali kali-rolling/main amd64 alien all 8.95.4 [77.8 kB]
Fetched 12.2 MB in 13s (907 kB/s)
Selecting previously unselected package librpmio9.
(Reading database ... 351707 files and directories currently installed.)
Preparing to unpack .../0-librpmio9_4.16.1.2+dfsg1-3_amd64.deb ...
Unpacking librpmio9 (4.16.1.2+dfsg1-3) ...
Selecting previously unselected package librpm9.
Preparing to unpack .../1-librpm9_4.16.1.2+dfsg1-3_amd64.deb ...
Unpacking librpm9 (4.16.1.2+dfsg1-3) ...
Preparing to unpack .../7-rpm_4.16.1.2+dfsg1-3_amd64.deb ...
Unpacking rpm (4.16.1.2+dfsg1-3) ...
Selecting previously unselected package alien.
Preparing to unpack .../8-alien_8.95.4_all.deb ...
Unpacking alien (8.95.4) ...
Setting up librpmio9 (4.16.1.2+dfsg1-3) ...
Setting up librpm9 (4.16.1.2+dfsg1-3) ...
Setting up rpm-common (4.16.1.2+dfsg1-3) ...
Setting up librpmbuild9 (4.16.1.2+dfsg1-3) ...
Setting up librpmsign9 (4.16.1.2+dfsg1-3) ...
Setting up debugedit (4.16.1.2+dfsg1-3) ...
Setting up rpm2cpio (4.16.1.2+dfsg1-3) ...
Setting up rpm (4.16.1.2+dfsg1-3) ...
Setting up alien (8.95.4) ...
Processing triggers for libc-bin (2.31-12) ...
Processing triggers for man-db (2.9.4-2) ...
Processing triggers for kali-menu (2021.2.3) ...
```

```
Preparing to unpack .../7-rpm_4.16.1.2+dfsg1-3_amd64.deb ...
Unpacking rpm (4.16.1.2+dfsg1-3) ...
Selecting previously unselected package alien.
Preparing to unpack .../8-alien_8.95.4_all.deb ...
Unpacking alien (8.95.4) ...
Setting up librpmio9 (4.16.1.2+dfsg1-3) ...
Setting up librpm9 (4.16.1.2+dfsg1-3) ...
Setting up rpm-common (4.16.1.2+dfsg1-3) ...
Setting up librpmbuild9 (4.16.1.2+dfsg1-3) ...
Setting up librpmsign9 (4.16.1.2+dfsg1-3) ...
Setting up debugedit (4.16.1.2+dfsg1-3) ...
Setting up rpm2cpio (4.16.1.2+dfsg1-3) ...
Setting up rpm (4.16.1.2+dfsg1-3) ...
Setting up alien (8.95.4) ...
Processing triggers for libc-bin (2.31-12) ...
Processing triggers for man-db (2.9.4-2) ...
Processing triggers for kali-menu (2021.2.3) ...
```

```
kali@kali:~$ sudo alien -r mocp_2.3-1_amd64.deb
mocp-2.3-2.x86_64.rpm generated
kali@kali:~$
```

Wnioski:

Budowanie pakietu ze źródła dla dystrybucji debiana nie jest skomplikowane nie natrafił na żadne większe problemy. Budowanie dla dystrybucji rpm (fedora) nie było łatwe i nie udało mi się nie umiem wygenerować poprawnego pliku spec. I na tym mi się wieszały próby budowania pakietu.