

Rafał Niedziółka-Domański

GIMP

GIMP to wieloplatformowy edytor obrazów dostępny dla systemów GNU/Linux, macOS, Windows i innych. Jest to darmowe oprogramowanie, możesz zmieniać jego kod źródłowy i rozpowszechniać swoje zmiany. Niezależnie od tego, czy jesteś grafikiem, fotografem, ilustratorem czy naukowcem, GIMP zapewnia wyrafinowane narzędzia do wykonywania twojej pracy.

Kompilacja pakietu

Instalacja zależności

Pobranie plików źródłowych

```
osboxes@osboxes:~/Downloads$ ls
aria2-1.36.0  aria2-1.36.0.tar.gz
osboxes@osboxes:~/Downloads$ wget https://download.gimp.org/mirror/pub/gimp/v2.10/gimp-2.10.30.tar.bz2
:0:3::13
Connecting to mirrors.xmission.com (mirrors.xmission.com)|198.60.22.13|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 31731327 (30M) [application/octet-stream]
Saving to: 'gimp-2.10.30.tar.bz2'

gimp-2.10.30.tar.bz 100%[=====>] 30.26M 6.76MB/s in 4.6s

2022-06-22 08:31:10 (6.54 MB/s) - 'gimp-2.10.30.tar.bz2' saved [31731327/31731327]

osboxes@osboxes:~/Downloads$ ls
aria2-1.36.0  aria2-1.36.0.tar.gz  gimp-2.10.30.tar.bz2
osboxes@osboxes:~/Downloads$
```

Rozpakowanie

```
osboxes@osboxes:~/Downloads$ tar -xvf gimp-2.10.30.tar.bz2
gimp-2.10.30/po-python/en_CA.po
gimp-2.10.30/po-python/mr.po
gimp-2.10.30/ChangeLog.pre-git
gimp-2.10.30/configure
gimp-2.10.30/config.h.in
gimp-2.10.30/gimp.pc.in
osboxes@osboxes:~/Downloads$ ls
aria2-1.36.0  aria2-1.36.0.tar.gz  gimp-2.10.30  gimp-2.10.30.tar.bz2
osboxes@osboxes:~/Downloads$
```

Sprawdzenie czy build-essential jest zainstalowane

```
osboxes@osboxes:~/Downloads$ dpkg -s build-essential
```

OK – zainstalowane

```
Description: Informational list of build-essential packages
If you do not plan to build Debian packages, you don't need this
package. Starting with dpkg (>= 1.14.18) this package is required
for building Debian packages.

This package contains an informational list of packages which are
considered essential for building Debian packages. This package also
depends on the packages on that list, to make it easy to have the
build-essential packages installed.

If you have this package installed, you only need to install whatever
a package specifies as its build-time dependencies to build the
package. Conversely, if you are determining what your package needs
to build-depend on, you can always leave out the packages this
package depends on.

This package is NOT the definition of what packages are
build-essential; the real definition is in the Debian Policy Manual.
This package contains merely an informational list, which is all
most people need. However, if this package and the manual disagree,
the manual is correct.
osboxes@osboxes:~/Downloads$
```

Wejście do folderu gimp

```
osboxes@osboxes:~/Downloads$ cd gimp-2.10.30/
osboxes@osboxes:~/Downloads/gimp-2.10.30$ ls
acinclude.m4      config.sub        install-sh        NEWS.pre-2-4
aclocal.m4        configure         libgimp           NEWS.pre-2-6
app               configure.ac      libgimpbase       NEWS.pre-2-8
app-tools         COPYING          libgimpcolor      pdb
AUTHORS           cursors          libgimpconfig     plug-ins
authors.dtd       data             libgimpmath       po
authors.xml       depcomp          libgimpmodule     po-libgimp
authors.xsl       desktop          libgimpthumb      po-plug-ins
build             devel-docs       libgimpwidgets    po-python
ChangeLog         docs             LICENSE           po-script-fu
ChangeLog.pre-1-0 etc              ltmain.sh         po-tips
ChangeLog.pre-1-2 gimp.pc.in       m4macros          po-windows-installer
ChangeLog.pre-2-0 gimpthumb.pc.in  Makefile.am       py-compile
ChangeLog.pre-2-2 gimpui.pc.in     Makefile.in       README
ChangeLog.pre-2-4 gimp-zip.in      menus             README.i18n
ChangeLog.pre-2-6 git-version.h    missing          test-driver
ChangeLog.pre-git gtk-doc.make     modules          themes
compile          HACKING          NEWS              tools
config.guess     icons           NEWS.pre-2-0
config.h.in      INSTALL        NEWS.pre-2-10
config.h.win32   INSTALL.in     NEWS.pre-2-2
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Wyświetlenie INSTALL

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ nano INSTALL
GNU nano 5.4                                INSTALL
19. Summary of required packages and what version you need:

Package Name      Version
-----
ATK                2.2.0
babl               0.1.78
cairo              1.12.2
Fontconfig         2.12.4
freetype2          2.1.7
GDK-PixBuf         2.30.8
GEGL               0.4.34
GIO                2.56.2
GLib               2.56.2
glib-networking    2.24.32
GTK+               0.9.19
HarfBuzz
libbz2
libjpeg
liblzma            5.0.0
libmypaint         1.3.0

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line

liblzma      5.0.0
libmypaint   1.3.0
libpng       1.6.25
libpoppler-glib 0.50.0
libsvg       2.40.6
libtiff
Little CMS   2.8
mypaint-brushes-1.0
pangocairo   1.29.4
poppler-data 0.4.7
zlib
```

Instalowanie potrzebnych pakietów:

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libatk1.0-dev
Setting up libpcre2-dev:i386 (10.36-2) ...
Setting up libselinux1-dev:i386 (3.1-3) ...
Setting up libpcre3-dev:i386 (2:8.39-13) ...
Setting up libmount-dev:i386 (2.36.1-8+deb11u1) ...
Setting up libglib2.0-dev:i386 (2.66.8-1) ...
Processing triggers for libglib2.0-0:i386 (2.66.8-1) ...
Processing triggers for libc-bin (2.31-13+deb11u3) ...
Processing triggers for man-db (2.9.4-2) ...
Setting up libatk1.0-dev:i386 (2.36.0-2) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libbabl-dev
Preparing to unpack .../libbabl-dev_0.1.82-1_i386.deb ...
Unpacking libbabl-dev:i386 (1:0.1.82-1) ...
Setting up libbabl-0.1-0:i386 (1:0.1.82-1) ...
Setting up liblcms2-dev:i386 (2.12~rc1-2) ...
Setting up gir1.2-babl-0.1:i386 (1:0.1.82-1) ...
Setting up libbabl-dev:i386 (1:0.1.82-1) ...
Processing triggers for libc-bin (2.31-13+deb11u3) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libcairo2-dev
Setting up libx11-dev:i386 (2:1.7.2-1) ...
Setting up libxcb-shm0-dev:i386 (1.14-3) ...
Setting up libxcb-render0-dev:i386 (1.14-3) ...
Setting up libxext-dev:i386 (2:1.3.3-1.1) ...
Setting up libxrender-dev:i386 (1:0.9.10-1) ...
Setting up libcairo2-dev:i386 (1.16.0-5) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install fontconfig
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install fontconfig
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
fontconfig is already the newest version (2.13.1-4.2).
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install freetype2-demos freetype2-doc
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install freetype2-demos
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  freetype2-demos
0 upgraded, 1 newly installed, 0 to remove and 5 not upgraded.
Need to get 251 kB of archives.
After this operation, 1,100 kB of additional disk space will be used.
Get:1 http://deb.debian.org/debian bullseye/main i386 freetype2-demos i386 2.10.4+dfsg-1 [251 kB]
Fetched 251 kB in 0s (1,141 kB/s)
Selecting previously unselected package freetype2-demos.
(Reading database ... 158871 files and directories currently installed.)
Preparing to unpack .../freetype2-demos_2.10.4+dfsg-1_i386.deb ...
Unpacking freetype2-demos (2.10.4+dfsg-1) ...
Setting up freetype2-demos (2.10.4+dfsg-1) ...
Processing triggers for man-db (2.9.4-2) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libgdk-pixbuf2.0-dev
(Reading database ... 158920 files and directories currently installed.)
Preparing to unpack .../libgdk-pixbuf-xlib-2.0-dev_2.40.2-2_i386.deb ...
Unpacking libgdk-pixbuf-xlib-2.0-dev:i386 (2.40.2-2) ...
Selecting previously unselected package libgdk-pixbuf2.0-dev:i386.
Preparing to unpack .../libgdk-pixbuf2.0-dev_2.40.2-2_i386.deb ...
Unpacking libgdk-pixbuf2.0-dev:i386 (2.40.2-2) ...
Setting up libgdk-pixbuf-xlib-2.0-dev:i386 (2.40.2-2) ...
Setting up libgdk-pixbuf2.0-dev:i386 (2.40.2-2) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libgegl-dev
Setting up libgegl-common (1:0.4.26-2) ...
Setting up libcholmod3:i386 (1:5.8.1+dfsg-2) ...
Setting up libumfpack5:i386 (1:5.8.1+dfsg-2) ...
Setting up libgegl-0.4-0:i386 (1:0.4.26-2) ...
Setting up gir1.2-gegl-0.4:i386 (1:0.4.26-2) ...
Setting up libgegl-dev:i386 (1:0.4.26-2) ...
Processing triggers for libc-bin (2.31-13+deb11u3) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libglib2.0-dev
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libglib2.0-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
libglib2.0-dev is already the newest version (2.66.8-1).
libglib2.0-dev set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install glib-networking
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install glib-networking
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
glib-networking is already the newest version (2.66.0-2).
glib-networking set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```



```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libgtk2.0-dev
```

```
Setting up libxext-dev:i386 (1:1.2.0-2) ...  
Setting up libthai-dev:i386 (0.1.28-3) ...  
Setting up libpango1.0-dev:i386 (1.46.2-3) ...  
Setting up libgtk2.0-dev:i386 (2.24.33-2) ...  
Processing triggers for man-db (2.9.4-2) ...  
Processing triggers for libc-bin (2.31-13+deb11u3) ...
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libharfbuzz-dev
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libharfbuzz-dev
```

```
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
libharfbuzz-dev is already the newest version (2.7.4-1).  
libharfbuzz-dev set to manually installed.  
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libbz2-dev
```

```
(Reading database ... 100211 files and directories currently installed.)  
Preparing to unpack .../bz2-doc_1.0.8-4_all.deb ...  
Unpacking bz2-doc (1.0.8-4) ...  
Selecting previously unselected package libbz2-dev:i386.  
Preparing to unpack .../libbz2-dev_1.0.8-4_i386.deb ...  
Unpacking libbz2-dev:i386 (1.0.8-4) ...  
Setting up bz2-doc (1.0.8-4) ...  
Setting up libbz2-dev:i386 (1.0.8-4) ...
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libjpeg-dev
```

```
Preparing to unpack .../libjpeg62-turbo-dev_1%3a2.0.6-4_i386.deb ...  
Unpacking libjpeg62-turbo-dev:i386 (1:2.0.6-4) ...  
Selecting previously unselected package libjpeg-dev:i386.  
Preparing to unpack .../libjpeg-dev_1%3a2.0.6-4_i386.deb ...  
Unpacking libjpeg-dev:i386 (1:2.0.6-4) ...  
Setting up libjpeg62-turbo-dev:i386 (1:2.0.6-4) ...  
Setting up libjpeg-dev:i386 (1:2.0.6-4) ...
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libmypaint-dev
```

```
Selecting previously unselected package libmypaint-dev:i386.  
Preparing to unpack .../libmypaint-dev_1.6.0-2_i386.deb ...  
Unpacking libmypaint-dev:i386 (1.6.0-2) ...  
Setting up libmypaint-common (1.6.0-2) ...  
Setting up libjson-c-dev (0.15-2) ...  
Setting up libmypaint-1.5-1:i386 (1.6.0-2) ...  
Setting up gir1.2-mypaint-1.5:i386 (1.6.0-2) ...  
Setting up libmypaint-dev:i386 (1.6.0-2) ...  
Processing triggers for libc-bin (2.31-13+deb11u3) ...
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libpng-dev
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libpng-dev
```

```
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
libpng-dev is already the newest version (1.6.37-3).  
libpng-dev set to manually installed.  
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libpoppler-glib-dev
unpacking gir1.2-poppler-0.18:i386 (20.09.0-3.1) ...
Selecting previously unselected package libpoppler-dev:i386.
Preparing to unpack .../libpoppler-dev_20.09.0-3.1_i386.deb ...
Unpacking libpoppler-dev:i386 (20.09.0-3.1) ...
Selecting previously unselected package libpoppler-glib-dev.
Preparing to unpack .../libpoppler-glib-dev_20.09.0-3.1_i386.deb ...
Unpacking libpoppler-glib-dev (20.09.0-3.1) ...
Setting up libpoppler-dev:i386 (20.09.0-3.1) ...
Setting up gir1.2-poppler-0.18:i386 (20.09.0-3.1) ...
Setting up libpoppler-glib-dev (20.09.0-3.1) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install librsvg2-dev
Selecting previously unselected package librsvg2-dev:i386.
(Reading database ... 160436 files and directories currently installed.)
Preparing to unpack .../librsvg2-dev_2.50.3+dfsg-1_i386.deb ...
Unpacking librsvg2-dev:i386 (2.50.3+dfsg-1) ...
Setting up librsvg2-dev:i386 (2.50.3+dfsg-1) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libtiff-dev
Preparing to unpack .../libtiff-dev_4.2.0-1+deb11u1_i386.deb ...
Unpacking libtiff-dev:i386 (4.2.0-1+deb11u1) ...
Setting up libjpeg-dev:i386 (2.1-3.1+b2) ...
Setting up liblzma-dev:i386 (5.2.5-2.1+deb11u1) ...
Setting up libdeflate-dev:i386 (1.7-1) ...
Setting up libtiffxx5:i386 (4.2.0-1+deb11u1) ...
Setting up libtiff-dev:i386 (4.2.0-1+deb11u1) ...
Processing triggers for man-db (2.9.4-2) ...
Processing triggers for libc-bin (2.31-13+deb11u3) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install mypaint-brushes
Get:1 http://deb.debian.org/debian bullseye/main i386 mypaint-brushes all 2.0.2+ds1-1 [1,500 kB]
Fetched 1,500 kB in 1s (1,319 kB/s)
Selecting previously unselected package mypaint-brushes.
(Reading database ... 160573 files and directories currently installed.)
Preparing to unpack .../mypaint-brushes_2.0.2+ds1-1_all.deb ...
Unpacking mypaint-brushes (2.0.2+ds1-1) ...
Setting up mypaint-brushes (2.0.2+ds1-1) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libpangocairo-1.0-0
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
libpangocairo-1.0-0 is already the newest version (1.46.2-3).
libpangocairo-1.0-0 set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install poppler-data
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
poppler-data is already the newest version (0.4.10-1).
poppler-data set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install zlib1g-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
zlib1g-dev is already the newest version (1:1.2.11.dfsg-2+deb11u1).
zlib1g-dev set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Instalacja

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ ./configure
```

Błąd:

```
checking whether WLS is requested... yes
./configure: line 22929: intltool-update: command not found
checking for intltool >= 0.40.1... found
configure: error: Your intltool is too old. You need intltool 0.40.1 or later.
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Aktualizacja intltool

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install intltool
Selected 0.51.0 KB in 0.0 s (0.51 KB/s)
Selecting previously unselected package intltool.
(Reading database ... 161349 files and directories currently installed.)
Preparing to unpack .../intltool_0.51.0-6_all.deb ...
Unpacking intltool (0.51.0-6) ...
Setting up intltool (0.51.0-6) ...
Processing triggers for man-db (2.9.4-2) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Błąd:

```
Error: GIMP configuration failed.

- Error: missing dependency gegl-0.4 >= 0.4.34
- Error: missing dependency gegl
  *** Could not find native gegl executable in your PATH.
- Error: missing dependency gexiv2 >= 0.10.6
- Python 2 (2.5.0 or newer)
  *** Please install it, or skip building the python scripting extension by
  *** passing --disable-python to configure (but then you will not be able
  *** to use scripts for GIMP that are written in Python).
Python 2 headers
```

Instalacja Python 2

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install python2
Setting up python2.7 (2.7.18-8) ...
Setting up libpython2-stdlib:i386 (2.7.18-3) ...
Setting up python2 (2.7.18-3) ...
Processing triggers for desktop-file-utils (0.26-1) ...
Processing triggers for gnome-menus (3.36.0-1) ...
Processing triggers for man-db (2.9.4-2) ...
Processing triggers for mailcap (3.69) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```


Instalacja gexiv2

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install libgexiv2-dev
Selecting previously unselected package libexiv2-dev.
Preparing to unpack .../libexiv2-dev_0.27.3-3+deb11u1_i386.deb ...
Unpacking libexiv2-dev (0.27.3-3+deb11u1) ...
Selecting previously unselected package libgexiv2-dev:i386.
Preparing to unpack .../libgexiv2-dev_0.12.1-1_i386.deb ...
Unpacking libgexiv2-dev:i386 (0.12.1-1) ...
Setting up gir1.2-gexiv2-0.10:i386 (0.12.1-1) ...
Setting up libexiv2-dev (0.27.3-3+deb11u1) ...
Setting up libgexiv2-dev:i386 (0.12.1-1) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Instalacja gegl

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install gegl
Unpacking libspiro1:i386 (1:20200505-2) ...
Selecting previously unselected package gegl.
Preparing to unpack .../gegl_1%3a0.4.26-2_i386.deb ...
Unpacking gegl (1:0.4.26-2) ...
Setting up libspiro1:i386 (1:20200505-2) ...
Setting up gegl (1:0.4.26-2) ...
Processing triggers for man-db (2.9.4-2) ...
Processing triggers for libc-bin (2.31-13+deb11u3) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ ./configure
```

```
Error: GIMP configuration failed.

- Error: missing dependency gegl-0.4 >= 0.4.34
- Python 2 headers
  *** Please install them, or skip building the python scripting extension b
y
  *** passing --disable-python to configure (but then you will not be able
  *** to use scripts for GIMP that are written in Python).
- PyGTK 2.10.4 or newer
  *** Please install it, or skip building the python scripting extension by
  *** passing --disable-python to configure (but then you will not be able
  *** to use scripts for GIMP that are written in Python).
- pygtk-codegen-2.0 script
  *** Please install it, or skip building the python scripting extension by
  *** passing --disable-python to configure (but then you will not be able
  *** to use scripts for GIMP that are written in Python).
- PyCairo 1.0.2 or newer
  *** Please install it, or skip building the python scripting extension by
  *** passing --disable-python to configure (but then you will not be able
  *** to use scripts for GIMP that are written in Python).

See the file 'INSTALL' for more help.
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Postanowiłem pominąć budowanie rozszerzenia do skryptowania w python, ponieważ zainstalowany jest python3 i nie mogę przez to zainstalować wymaganych bibliotek w python2.

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ ./configure --disable-python
```

Wciąż pozostaje błąd z gegl:
reporting upstream.

Error: GIMP configuration failed.

- Error: missing dependency gegl-0.4 >= 0.4.34

See the file 'INSTALL' for more help.

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Sprawdzenie wersji gegl:

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ dpkg -s gegl
Package: gegl
Status: install ok installed
Priority: optional
Section: devel
Installed-Size: 106
Maintainer: Debian GNOME Maintainers <pkg-gnome-maintainers@lists.alioth.debian.org>
Architecture: i386
Version: 1:0.4.26-2
Depends: libbabl-0.1-0 (>= 0.1.78), libc6 (>= 2.4), libgegl-0.4-0 (>= 0.3.8), libglib2.0-0 (>= 2.37.0), libspiro1 (>= 20190731)
Description: Generic Graphics Library Test Program
 GEGl (Generic Graphics Library) is a graph based image processing
 framework.
 .
 GEGl's original design was made to scratch GIMP's itches for a new
 compositing and processing core. This core is being designed to have
 minimal dependencies and a simple well defined API.
 .
 This package contains a bunch of test programs.
 Homepage: https://gegl.org/
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Wersja instalowana z apt install jest za stara. Trzeba instalować ze źródła.

Usunięcie gegl

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt remove gegl
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  libspiro1
Use 'sudo apt autoremove' to remove it.
The following packages will be REMOVED:
  gegl
0 upgraded, 0 newly installed, 1 to remove and 5 not upgraded.
After this operation, 109 kB disk space will be freed.
Do you want to continue? [Y/n]
(Reading database ... 162239 files and directories currently installed.)
Removing gegl (1:0.4.26-2) ...
Processing triggers for man-db (2.9.4-2) ...
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Pobranie gegl w wersji 0.4.34

```
osboxes@osboxes:~/Downloads$ wget https://download.gimp.org/pub/gegl/0.4/gegl-0.4.34.tar.xz
--2022-06-22 12:23:16-- https://download.gimp.org/pub/gegl/0.4/gegl-0.4.34.tar.xz
Resolving download.gimp.org (download.gimp.org)... 8.43.85.16
Connecting to download.gimp.org (download.gimp.org)|8.43.85.16|:443... connected
HTTP request sent, awaiting response... 200 OK
Length: 5647516 (5.4M) [application/x-xz]
Saving to: 'gegl-0.4.34.tar.xz'

gegl-0.4.34.tar.xz 100%[=====>] 5.39M 1.25MB/s in 4.7s

2022-06-22 12:23:22 (1.15 MB/s) - 'gegl-0.4.34.tar.xz' saved [5647516/5647516]

osboxes@osboxes:~/Downloads$ ls
aria2-1.36.0 gegl-0.4.34.tar.xz gimp-2.10.30.tar.bz2
aria2-1.36.0.tar.gz gimp-2.10.30
osboxes@osboxes:~/Downloads$
```

Rozpakowanie

```
osboxes@osboxes:~/Downloads$ tar -xvf gegl-0.4.34.tar.xz
gegl-0.4.34/tools/introspect.c
gegl-0.4.34/tools/make-init-types.sh
gegl-0.4.34/tools/meson.build
gegl-0.4.34/tools/operation_reference.c
gegl-0.4.34/tools/operations_html.c
gegl-0.4.34/tools/run-exe.py
gegl-0.4.34/tools/xml_insert.sh
osboxes@osboxes:~/Downloads$ ls
aria2-1.36.0 gegl-0.4.34 gimp-2.10.30
aria2-1.36.0.tar.gz gegl-0.4.34.tar.xz gimp-2.10.30.tar.bz2
osboxes@osboxes:~/Downloads$
```

```
osboxes@osboxes:~/Downloads$ cd gegl-0.4.34/
osboxes@osboxes:~/Downloads/gegl-0.4.34$ ls
AUTHORS      docs      libs      NEWS      po      tests
bin          examples  MAINTAINERS  opengl    README  tools
COPYING      gegl      meson.build  operations seamless-clone
COPYING.LESSER gegl.doap meson.options.txt perf      subprojects
```

Według strony: <https://gegl.org/build.html> aby zbudować gegl trzeba użyć poleceń:

Compiling

To build GEGL type the following in the top level source directory:

```
$ meson _build
$ ninja -C _build
$ sudo ninja -C _build install
```

```
osboxes@osboxes:~/Downloads/gegl-0.4.34$ meson _build
bash: meson: command not found
osboxes@osboxes:~/Downloads/gegl-0.4.34$
```

Instalacja meson:

```
osboxes@osboxes:~/Downloads/gegl-0.4.34$ sudo apt install meson
Preparing to unpack .../ninja-build_1.10.1-1_i386.deb ...
Unpacking ninja-build (1.10.1-1) ...
Selecting previously unselected package meson.
Preparing to unpack .../meson_0.56.2-1_all.deb ...
Unpacking meson (0.56.2-1) ...
Setting up ninja-build (1.10.1-1) ...
Setting up meson (0.56.2-1) ...
Processing triggers for man-db (2.9.4-2) ...
osboxes@osboxes:~/Downloads/gegl-0.4.34$
```

Pierwsze polecenie:

```
osboxes@osboxes:~/Downloads/gegl-0.4.34$ meson _build
pangocairo: True
poly2tri-c: True
poppler: True
OpenEXR: False
rsvg: True
SDL1: False
SDL2: False
spiro: False
TIFF: True
umfpack: False
V4L: False
V4L2: False
webp: False

Subprojects
  libnsgif: YES
  poly2tri-c: YES

Found ninja-1.10.1 at /usr/bin/ninja
osboxes@osboxes:~/Downloads/gegl-0.4.34$
```

Drugie polecenie:

```
osboxes@osboxes:~/Downloads/gegl-0.4.34$ ninja -C _build
~~~~~
In file included from ../operations/common/ctx/ctx.c:24:
../operations/common/ctx/ctx.h:34722:12: note: while referencing 'command'
34722 |   CtxEntry command = ctx_u8 (CTX_SET_PIXEL, r, g, b, a, 0, 0, 0, 0);
      |           ^~~~~~
[753/753] Linking target operations/common/gegl-common.so
osboxes@osboxes:~/Downloads/gegl-0.4.34$
```

Trzecie polecenie:

```
osboxes@osboxes:~/Downloads/gegl-0.4.34$ sudo ninja -C _build install
Installing /home/osboxes/Downloads/gegl-0.4.34/_build/po/sr.gmo to /usr/local/share/locale/sr/LC_MESSAGES/gegl-0.4.mo
Installing /home/osboxes/Downloads/gegl-0.4.34/_build/po/sr@latin.gmo to /usr/local/share/locale/sr@latin/LC_MESSAGES/gegl-0.4.mo
Installing /home/osboxes/Downloads/gegl-0.4.34/_build/po/sv.gmo to /usr/local/share/locale/sv/LC_MESSAGES/gegl-0.4.mo
Installing /home/osboxes/Downloads/gegl-0.4.34/_build/po/tr.gmo to /usr/local/share/locale/tr/LC_MESSAGES/gegl-0.4.mo
Installing /home/osboxes/Downloads/gegl-0.4.34/_build/po/uk.gmo to /usr/local/share/locale/uk/LC_MESSAGES/gegl-0.4.mo
Installing /home/osboxes/Downloads/gegl-0.4.34/_build/po/zh_CN.gmo to /usr/local/share/locale/zh_CN/LC_MESSAGES/gegl-0.4.mo
osboxes@osboxes:~/Downloads/gegl-0.4.34$
```

Kolejna próba konfiguracji

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ ./configure --disable-python
```

Brak błędów

```
webpage: no (webkit not found)
WMF: no (libwmf not found)
X11 Mouse Cursor: yes
XPM: no (XPM library not found)
Email: yes (xdg-email)

Optional Modules:
ALSA (MIDI Input): no (libasound not found or unusable)
Linux Input: yes (Gudev support: no (libgudev not found))
DirectInput (Win32): no

Tests:
Use xvfb-run no (not found)
Test appdata no (appstream-util not found)
Test desktop file yes
```

Bug report URL: <https://gitlab.gnome.org/GNOME/gimp/issues/new>

NOTE: if you plan on packaging GIMP for distribution, it is recommended to override the bug report URL with option:
--with-bug-report-url=https://example.com/
so that you can filter packaging bugs from core bugs before reporting upstream.

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Kompilacja

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ make -j4
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/docs'
Making all in build
make[2]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/build'
Making all in windows
make[3]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/build/windows'
make[4]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/build/windows'
make[4]: Nothing to be done for 'all-am'.
make[4]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build/windows'
make[3]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build/windows'
make[3]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[3]: Nothing to be done for 'all-am'.
make[3]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[2]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30'
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
make[1]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Wykonanie testów jednostkowych

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ make -j4 check
```

Bez błędów


```

make[3]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/devel-docs'
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/devel-docs'
Making check in docs
make[2]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/docs'
make[2]: Nothing to be done for 'check'.
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/docs'
Making check in build
make[2]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/build'
Making check in windows
make[3]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/build/windows'
make[4]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/build/windows'
make[4]: Nothing to be done for 'check-am'.
make[4]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build/windows'
make[3]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build/windows'
make[3]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[3]: Nothing to be done for 'check-am'.
make[3]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[2]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30'
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
make[1]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
osboxes@osboxes:~/Downloads/gimp-2.10.30$

```

Instalacja

```

make[1]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo make install
make[3]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[2]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30'
make[3]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30'
make[3]: Nothing to be done for 'install-exec-am'.
/usr/bin/mkdir -p '/usr/local/lib/pkgconfig'
/usr/bin/install -c -m 644 gimp-2.0.pc gimpthumb-2.0.pc gimpui-2.0.pc '/usr/local/lib/pkgconfig'
make[3]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
make[1]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
osboxes@osboxes:~/Downloads/gimp-2.10.30$

```

Sprawdzenie poprawności instalacji

```

osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo make installcheck
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build/windows'
make[2]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[2]: Nothing to be done for 'installcheck-am'.
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[1]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[1]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30'
make[1]: Nothing to be done for 'installcheck-am'.
make[1]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
osboxes@osboxes:~/Downloads/gimp-2.10.30$

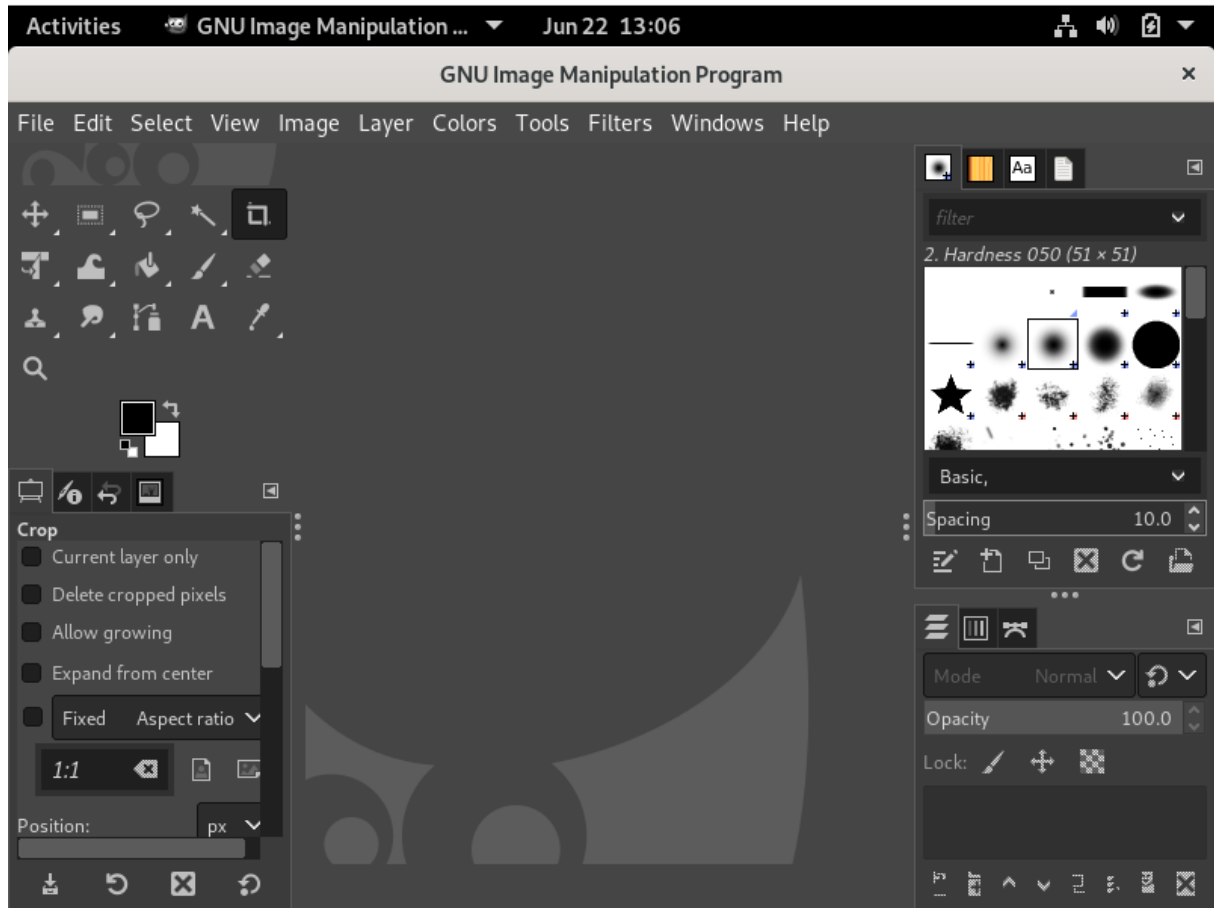
```

Uruchomienie

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ gimp
```

Po uruchomieniu pojawiał się błąd o brakującej bibliotece libgimpwidgets. Naprawiło się po zainstalowaniu a potem usunięciu libgimp2.0.

Działa!



Usunięcie plików konfiguracyjnych

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo make clean
rm -f *.lo
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[1]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[1]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30'
test -z "git-version.h" || rm -f git-version.h
rm -rf .libs _libs
rm -f *.lo
make[1]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Usunięcie pakietu

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo make uninstall
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build/windows'
make[2]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[2]: Nothing to be done for 'uninstall-am'.
make[2]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[1]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30/build'
make[1]: Entering directory '/home/osboxes/Downloads/gimp-2.10.30'
( cd '/usr/local/lib/pkgconfig' && rm -f gimp-2.0.pc gimpthumb-2.0.pc gimpui-2.0.pc )
make[1]: Leaving directory '/home/osboxes/Downloads/gimp-2.10.30'
osboxes@osboxes:~/Downloads/gimp-2.10.30$

osboxes@osboxes:~/Downloads/gimp-2.10.30$ gimp
bash: gimp: command not found
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Zależności

Zależności podane zostały w pliku INSTALL, widoczne na zrzucie ekranu.

Wnioski

Okazało się, że zależności do spełnienia było dużo więcej niż te podane na stronie. Dodatkowo podczas konfiguracji pojawiły się jeszcze inne, nie wymienione w pliku INSTALL, zależności: intltools i gexiv2. Problemem było też zainstalowanie gegl, który trzeba było zainstalować ze źródła, na dodatek w nie spotkany przeze mnie wcześniej sposób. Po tylu problemach, poczułem satysfakcję, gdy aplikacja się w końcu uruchomiła.

Budowa pakietu

Utworzenie klucza GPG

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ 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: Rafal ND
Email address: rafalnd@mail.pl
You selected this USER-ID:
    "Rafal ND <rafalnd@mail.pl>"

Change (N)ame, (E)mail, or (O)kay/(Q)uit?
gpg: revocation certificate stored as '/home/osboxes/.gnupg/openpgp-revocs.d/908AD838EFC5AC670115A97BA3C8D06FAC8EF101.rev'
public and secret key created and signed.

pub   rsa3072 2022-06-22 [SC] [expires: 2024-06-21]
       908AD838EFC5AC670115A97BA3C8D06FAC8EF101
uid           Rafal ND <rafalnd@mail.pl>
sub   rsa3072 2022-06-22 [E] [expires: 2024-06-21]

osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Zainstalowanie wymaganych pakietów

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ sudo apt install build-essential autoc
onf automake autotools-dev dh-make debhelper devscripts fakeroot xutils lintian
pbuilder
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
osboxes@osboxes:~/Downloads/gimp-2.10.30$
```

Przygotowanie katalogu do budowania pakietu

```
osboxes@osboxes:~/Downloads/gimp-2.10.30$ mkdir -p ~/build/gimp/2.10
osboxes@osboxes:~/Downloads/gimp-2.10.30$ cd ~/build/gimp/2.10/
osboxes@osboxes:~/build/gimp/2.10$ cp ~/Downloads/gimp-2.10.30.tar.bz2 .
osboxes@osboxes:~/build/gimp/2.10$ tar -xvf gimp-2.10.30.tar.bz2
gimp-2.10.30/po-python/en_CA.po
gimp-2.10.30/po-python/mr.po
gimp-2.10.30/ChangeLog.pre-git
gimp-2.10.30/configure
gimp-2.10.30/config.h.in
gimp-2.10.30/gimp.pc.in
osboxes@osboxes:~/build/gimp/2.10$ ls
gimp-2.10.30  gimp-2.10.30.tar.bz2
```

Przygotowanie struktury pakietu

```
osboxes@osboxes:~/build/gimp/2.10$ cd gimp-2.10.30/
osboxes@osboxes:~/build/gimp/2.10/gimp-2.10.30$ dh_make -e rafalnd@mail.pl -f ../gimp-2.10.30.tar.bz2
```

Type of package: (single, indep, library, python)

[s/i/l/p]?

Please respond with one of the following: s,i,l,p

Type of package: (single, indep, library, python)

[s/i/l/p]?

Please respond with one of the following: s,i,l,p

Type of package: (single, indep, library, python)

[s/i/l/p]?

Maintainer Name : osboxes.org

Email-Address : rafalnd@mail.pl

Date : Wed, 22 Jun 2022 13:39:41 -0400

Package Name : gimp

Version : 2.10.30

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")

Done. Please edit the files in the debian/ subdirectory now.

```
osboxes@osboxes:~/build/gimp/2.10/gimp-2.10.30$
```

Edycja informacji o pakiecie

```
osboxes@osboxes:~/build/gimp/2.10/gimp-2.10.30$ dpkg-depcheck -d ./configure --disable-python
```

```
gnome-control-center-data
libp11-kit0:i386
libmount-dev:i386
libthai0:i386
libjson-c-dev
mypaint-brushes
libxml-parser-perl:i386
libnettle8:i386
libx11-6:i386
libxf86-dev:i386
libjson-glib-1.0-0:i386
libgdk-pixbuf-2.0-dev:i386
libxext-dev:i386
libpixmap-1-dev:i386
poppler-data
libbrotli-dev:i386
policykit-1
libcairo2:i386
perl-modules-5.32
libharfbuzz-dev:i386
libcairo-gobject2:i386
libxml2:i386
```

```
osboxes@osboxes:~/build/gimp/2.10/gimp-2.10.30$
```

Edycja pliku debian/control

```
osboxes@osboxes:~/build/gimp/2.10/gimp-2.10.30$ nano debian/control
```

```
GNU nano 5.4          debian/control
Source: gimp
Section: unknown
Priority: optional
Maintainer: Rafal ND <rafalnd@mail.pl>
Build-Depends: debhelper-compat (= 13), autotools-dev,
  liblcms2-2:i386, pkg-config, mawk, libwmf-dev,
  libblkid-dev:i386, libopenjp2-7:i386, libexpat1-dev:i386,
  libxext6:i386, appstream, libpango-1.0-0:i386, libfribidi0:i386,
  libgraphite2-dev:i386, libharfbuzz0b:i386, libpixmap-1-0:i386,
  libglib2.0-0:i386, libxi6:i386, mailcap, libgtk-3-bin,
  libatk1.0-dev:i386, libxinerama1:i386, libffi7:i386,
  libpangocft2-1.0-0:i386, libpoppler-glib-dev, libdatrie-dev:i386,
  libsepol1-dev:i386, glib-networking:i386, file, libxau-dev:i386,
  libbabl-0.1-0:i386, libtasn1-6:i386, libfreetype-dev:i386,
  libgtk2.0-dev:i386, libgexiv2-dev:i386, libxdmcp6:i386,
  libxdmcp-dev:i386, libmagic-mgc, libjpeg62-turbo-dev:i386,
  libxft-dev:i386, libtiff-dev:i386, libpcre2-dev:i386, libidn2-0:i386,
  libfribidi-dev:i386, libxcb-shm0:i386, libxcb1-dev:i386, gettext,
  libjbig0:i386, liblzma-dev:i386, libfontconfig-dev:i386, libtiff5:i386,
  libndk-nihuf-2.0-0:i386, libxfixes-dev:i386, libpcre2-dev:i386,
  libjson-glib-dev:i386, liblcms2-dev:i386, libthai-dev:i386,
  libpoppler102:i386, libfakeroot:i386, libxcb-shm0-dev:i386,
  gnome-control-center-data, libp11-kit0:i386, libmount-dev:i386,
  libthai0:i386, libjson-c-dev, mypaint-brushes, libxml-parser-perl:i386,
  libnettle8:i386, libx11-6:i386, libxf86-dev:i386, libjson-glib-1.0-0:i386,
  libgdk-pixbuf-2.0-dev:i386, libxext-dev:i386, libpixmap-1-dev:i386,
  poppler-data, libbrotli-dev:i386, policykit-1, libcairo2:i386,
  perl-modules-5.32, libharfbuzz-dev:i386, libcairo-gobject2:i386, libxml2:i386
Standards-Version: 4.5.1
Homepage: <insert the upstream URL, if relevant>
#Vcs-Browser: https://salsa.debian.org/debian/gimp
#Vcs-Git: https://salsa.debian.org/debian/gimp.git
Rules-Requires-Root: no

Package: gimp
Architecture: any
Depends: ${shlibs:Depends}, ${misc:Depends}
Description: The Free and Open Source Image Editor
  GIMP is a cross-platform image editor available for GNU/Linux, macOS, Windows
```


Edycja debian/copyright

```
osboxes@osboxes:~/build/gimp/2.10/gimp-2.10.30$ nano debian/copyright
```

```
GNU nano 5.4                debian/copyright *
<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: 2022 Rafal ND <rafalnd@mail.pl>
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
```

Edycja debian/changelog

```
osboxes@osboxes:~/build/gimp/2.10/gimp-2.10.30$ nano debian/changelog
```

```
GNU nano 5.4                debian/changelog *
gimp (2.10.30-1) unstable; urgency=medium

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

-- Rafal ND <rafalnd@mail.pl>  Wed, 22 Jun 2022 13:39:41 -0400
```

Budowa

```
osboxes@osboxes:~/build/gimp/2.10/gimp-2.10.30$ dpkg-buildpackage -rfakeroot
```

Błąd

```
devel-docs/libgimpwidgets/Makefile.am:79: gtk-doc.make included from here
plug-ins/pygimp/Makefile.am:127: installing './py-compile'
autoreconf: automake failed with exit status: 1
dh_autoreconf: error: autoreconf -f -i returned exit code 1
make: *** [debian/rules:18: binary] Error 255
dpkg-buildpackage: error: debian/rules binary subprocess returned exit status 2
osboxes@osboxes:~/build/gimp/2.10/gimp-2.10.30$
```

Musiałem zacząć od nowa i dodać opcję `--disable-python` do `./configure` w pliku `debian/rules`

```
GNU nano 5.4          debian/rules *
# see FEATURE AREAS in dpkg-buildflags(1)
#export DEB_BUILD_MAINT_OPTIONS = hardening=+all

# see ENVIRONMENT in dpkg-buildflags(1)
# package maintainers to append CFLAGS
#export DEB_CFLAGS_MAINT_APPEND = -Wall -pedantic
# package maintainers to append LDFLAGS
#export DEB_LDFLAGS_MAINT_APPEND = -Wl,--as-needed

%:
    dh $@

# dh_make generated override targets
# This is example for Cmake (See https://bugs.debian.org/641051 )
override_dh_auto_configure:
    dh_auto_configure -- --disable-python
#    -DCMAKE_LIBRARY_PATH=$(DEB_HOST_MULTIARCH)

osboxes@osboxes:~/build/gimp/2.10/gimp-2.10.30$ dpkg-buildpackage -rfakeroot
devel-docs/libgimpwidgets/Makefile.am:79: 'gtk-doc.make' included from here
gtk-doc.make:303: error: HAVE_GTK_DOC does not appear in AM_CONDITIONAL
devel-docs/libgimpwidgets/Makefile.am:79: 'gtk-doc.make' included from here
autoreconf: automake failed with exit status: 1
dh_autoreconf: error: autoreconf -f -i returned exit code 1
make: *** [debian/rules:18: binary] Error 255
dpkg-buildpackage: error: debian/rules binary subprocess returned exit status 2
```

`libgimpwidgets` ciągle sprawia problemy. Nie wiem co z tym zrobić. Jeżeli powinien być zawarty w `libgimp`, to możliwe, że jest on uszkodzony w tej wersji plików źródłowych. Pobieranie od nowa tej wersji `gimp` nic nie zmienia. Wykonanie `debuild` w tym folderze daje takie same wyniki.

Metoda 2:

```
osboxes@osboxes:~/build/gimp$ sudo apt source gimp
Reading package lists... Done
E: Unable to find a source package for gimp
osboxes@osboxes:~/build/gimp$
```

Wnioski

Nie udało się zbudować pakietu. Problemem może być wersja `gimp`. Możliwe, że na starszej by to lepiej działało.