

Packages - Packaging Request #906

[kiwix] add package to PCR

2015-12-30 11:37 AM - pizzaiolo

Status: open	% Done: 0%
Priority: wish	
Assignee:	
Category:	
Description GPLv3 offline reader, including for Wikipedia. Arch has it: https://aur.archlinux.org/packages/kiwix-bin/ See also: http://www.kiwix.org/wiki/Software	

History

#1 - 2016-01-01 10:27 PM - Anonymous

- Subject changed from Add Kiwix to [kiwix] add package to PCR

#2 - 2016-01-01 10:27 PM - Anonymous

- Subject changed from [kiwix] add package to PCR to [kiwix] add package for PCR

#3 - 2016-01-05 11:50 PM - Anonymous

- Assignee set to Anonymous

#4 - 2016-01-18 04:04 PM - Anonymous

- Status changed from open to in progress

#5 - 2016-01-18 08:05 PM - Anonymous

- % Done changed from 0 to 30

#6 - 2016-01-19 12:06 AM - Anonymous

- % Done changed from 30 to 60

- File `kiwix-0.9-1-x86_64-build.log` added

i pushed it to abslibre [0], however it doesn't build yet because gives the following error that should be checked:

```
zimAccessor.cpp:95:1: error: expected constructor, destructor, or type conversion before 'ZimAccessor'  
  ZimAccessor::ZimAccessor()  
  ^
```

[0]:<https://projects.parabola.nu/abslibre.git/commit/?id=368915cf94edf4274567e9615116d88dc9c1396e>

#7 - 2016-01-19 10:10 AM - pizzaiolo

#kiwix log:

(08:04:53) pizzaiolo: Kelson42: the folks at #parabola were trying to package kiwix but they hit some problems upon building it:

<https://labs.parabola.nu/issues/906#change-6496>

(08:06:51) Kelson42: pizzaiolo: hmmm not really a clue

(08:07:01) Kelson42: pizzaiolo: which source code do they use exactly?

(08:07:23) pizzaiolo: 0.9

(08:08:06) pizzaiolo: Kelson42: could you show me the most recent version of kiwix code? I was told by one of the maintainers that the code seemed very old to be compiled

(08:08:25) Kelson42: https://github.com/kiwix/kiwix_mirror

(08:08:50) Kelson42: pizzaiolo: not sure, but this sounds like a side effect of a problem with the xulrunner sd

(08:08:52) Kelson42: sdk

(08:08:58) pizzaiolo: ok

(08:09:19) pizzaiolo: I'll let them know

(08:11:21) Kelson42: pizzaiolo: IMO, the best is to package the statically build kiwix

(08:11:29) Kelson42: pizzaiolo: if possible, that what AUR does

#8 - 2016-01-19 10:11 AM - pizzaiolo

See also: <http://www.kiwix.org/wiki/Compilation>

#9 - 2016-01-19 04:49 PM - Anonymous

- File `kiwix-git-r4591.785a7f1-1-x86_64-build.log` added

I tried build it from master branch [0] and the same error persists.

[0]:<https://projects.parabola.nu/abslibre.git/commit/?id=51ab08cbf695c7db7805465c2fe6a4d05118bdf2>

#10 - 2016-06-02 03:56 AM - Anonymous

- Status changed from *in progress* to *forwarded upstream*

#11 - 2016-06-02 03:58 AM - Anonymous

- Subject changed from *[kiwix] add package for PCR* to *[kiwix] add package to PCR*

#12 - 2016-09-26 08:35 PM - GNUtoo

I compiled kiwix some time ago, and the server daemon works.
I only run the server daemon though.

Here's the revision that I used:

e2db6f9 Fixed #2: trying to move to unexisting folder

Denis.

#13 - 2016-09-26 09:05 PM - GNUtoo

With origin/master and without gecko it builds:

```
% git log --oneline | head -n1          :(
e2db6f9 Fixed #2: trying to move to unexisting folder
% ./autogen.sh
./configure --disable-components
```

...

```
Build details:
ARCH          i686
IS_64B        no
IS_ARM        no
IS_POSIX      yes
IS_LINUX      yes
IS_OSX        no
IS_WIN        no
IS_OLD_GECKO  no
IS_OLD_ICU    no
IS_OLD_GCC    no
COMPIL_DEPS   no
WITH_COMPONENTS  no
STATIC_BINS   no
WITH_MANAGER  yes
WITH_SERVER   yes
WITH_LAUNCHER yes
WITH_INDEXER  yes
WITH_INSTALLER yes
WITH_SEARCHER no
WITH_READER   no
JAR_CONTENT   no
DEBIAN_RULES  no
SIGN_BUILD    no
CERTIFICATE   Developer ID Application: Renaud Gaudin (S3QKTMRU8F)
```

```
GECKO_VERSION      41
MAJOR_GECKO_VERSION 41.0
EXACT_GECKO_VERSION 41.0.2
```

```
DEP_MIRROR      http://download.kiwix.org/dev
DOWNLOADER      wget --wait=10 --timeout=600 --retry-connrefused --no-check-certificate -c --no-use-server-timestamps -O
DEP_LIST
```

```
EMBED_LIBS      /usr/lib/liblzma.so /usr/lib/libzim.so /usr/lib/libpugixml.so /usr/lib/libctpp2.so /usr/lib/libz.so /usr/lib/libxapian.so /usr/lib/libicuuc.so
/usr/lib/libicudata.so /usr/lib/libicui18n.so /usr/lib/libmicrohttpd.so
```

```

CC          gcc
CXX         g++
CPP         gcc -E
CXXCPP     g++ -E
CFLAGS     -g -O2
CXXFLAGS   -g -O2 -std=gnu++0x -fexceptions -D MOZ_CPP_EXCEPTIONS -D MOZ_NO_MOZALLOC
XPCOM_CFLAGS -fno-rtti -fPIC
CHECK_LDFLAGS -Wl,-z,defs

```

```

GECKO_SDK_PATH      /usr/lib/xulrunner-devel-41.0.2
XULRUNNER_RUNTIME_PATH /home/gnutoo/Setup/kiwix/src/dependencies/xulrunner
ZLIB_LDFLAGS        -lz
XAPIAN_LDFLAGS      -lxapian
MICROHTTPD_LDFLAGS -lmicrohttpd
LZMA_LDFLAGS        -llzma
LIBZIM_LDFLAGS      -lzim
LIBPUGIXML_LDFLAGS -lpugixml
LIBCTPP2_LDFLAGS    -lctpp2
ARIA2_FILES         /usr/bin/aria2c
ICU_LDFLAGS         -L/usr/lib -licui18n -licuuc -licudata
XAPIAN_COMPACT      /usr/bin/xapian-compact
UUID_LDFLAGS

```

```

ZLIB_STATIC_LDFLAGS
XAPIAN_STATIC_LDFLAGS
MICROHTTPD_STATIC_LDFLAGS
LZMA_STATIC_LDFLAGS
LIBZIM_STATIC_LDFLAGS
LIBPUGIXML_STATIC_LDFLAGS
LIBCTPP2_STATIC_LDFLAGS
UUID_STATIC_LDFLAGS
ICU_STATIC_LDFLAGS

```

```

STATIC_LIBM_ARCHIVE
STATIC_LIBRT_ARCHIVE
STATIC_LIBSTDCPP_ARCHIVE
STATIC_LIBDL_ARCHIVE
STATIC_LIBGCC_ARCHIVE
STATIC_LIBPTHREAD_ARCHIVE

```

```
HAVE_UPX      yes
```

```
./configure --disable-components 25.28s user 26.08s system 92% cpu 55.629 total
% make -j3
```

```
....
make1: Leaving directory '/home/gnutoo/Setup/kiwix'
make -j3 254.22s user 9.79s system 160% cpu 2:44.44 total
```

#14 - 2016-09-26 09:19 PM - GNUtoo

If we have upx installed, it autodetects it with ./configure and fails to install:

```

% sudo make install
...
upx -9 kiwix-manage
          Ultimate Packer for eXecutables
          Copyright (C) 1996 - 2013
UPX 3.91   Markus Oberhumer, Laszlo Molnar & John Reiser   Sep 30th 2013

   File size      Ratio      Format      Name
   -----
upx: kiwix-manage: AlreadyPackedException

Packed 0 files.
make[2]: *** [Makefile:969: all-am] Error 2
make[2]: Leaving directory '/home/gnutoo/Setup/kiwix/src/manager'
make[1]: *** [Makefile:492: install-recursive] Error 1
make[1]: Leaving directory '/home/gnutoo/Setup/kiwix/src'
make: *** [Makefile:555: install-recursive] Error 1

```

Since we might not want to compress executables with upx, we can instead run configure this way:

```
% ./configure --disable-components HAVE_UPX=no
...
STATIC_LIBM_ARCHIVE
STATIC_LIBRT_ARCHIVE
STATIC_LIBSTDCPP_ARCHIVE
STATIC_LIBDL_ARCHIVE
STATIC_LIBGCC_ARCHIVE
STATIC_LIBPTHREAD_ARCHIVE

HAVE_UPX      ./configure: line 17297: [: no: integer expression expected
no

./configure --disable-components HAVE_UPX=no 25.62s user 26.06s system 91% cpu 56.392 total
```

The `./configure: line 17297: [: no: integer expression expected` seem to be a warning and `./configure` seem to succeed nevertheless. Running `echo $?` right after `./configure` shows that it didn't produce an error:

```
% echo $?
0
```

We can then compile and install as usual:

```
% make -j3
...
% sudo make install
...
make[3]: Leaving directory '/home/gnutoo/Setup/kiwix'
make[2]: Nothing to be done for 'install-data-am'.
make[2]: Leaving directory '/home/gnutoo/Setup/kiwix'
make[1]: Leaving directory '/home/gnutoo/Setup/kiwix'
```

#15 - 2016-09-26 09:23 PM - GNUtoo

Here is an example of a systemd unit for kiwix.
The xim file was installed in

```
/srv/kiwix/wikipedia_en_all/data/library/wikipedia_en_all_2016-02.zim.xml
```

And here is the config file:

```
% cat /etc/conf.d/kiwix.conf : (
# XML
wikibooks_en_xml="wikibooks_en_all_2016-06.zim.xml"
wikipedia_en_xml="wikipedia_en_all_2016-02.zim.xml"

# ports
wikibooks_en_port="8044"
wikipedia_en_port="8045"

% cat /etc/systemd/system/kiwix@wikipedia_en.service
[Unit]
Description=Kiwix (%I)
After=display-manager.service

[Service]
EnvironmentFile=/etc/conf.d/kiwix.conf
User=kiwix
ExecStart=/usr/local/bin/kiwix-serve --port ${wikipedia_en_port} --interface=lo --library ../../../../../../srv/kiwix/wikipedia_en_all/data/library/${wikipedia_en_xml}
Restart=always
RestartSec=10

[Install]
WantedBy=default.target
```

#16 - 2016-09-26 09:54 PM - GNUtoo

If that can help, I also just published the script I use to generate a web page with the kiwix services.
It uses the configs mentioned above.

git://gnutoo.privatedns.org/kiwix-web-index.git

#17 - 2017-01-07 01:05 AM - Anonymous

- Assignee deleted (Anonymous)
- % Done changed from 60 to 0
- Status changed from forwarded upstream to open

GNUtoo wrote:

If that can help, I also just published the script I use to generate a web page with the kiwix services.
It uses the configs mentioned above.
[...]

I couldn't build it because the issues related to zimAccessor persists. Would you like check our PKGBUILDs (kiwix and kiwix-git) and get a way to solve them? If you have interest, please let me know :)

#18 - 2017-12-10 09:52 PM - ToffeeYogurtPots

Not sure what happened to this request. +1 for Kiwix being added.

Since Parabola is a rolling distro this issue (and the workaround in the comments) is probably relevant:
<https://github.com/kiwix/kiwix-xulrunner/issues/477>

#19 - 2019-06-22 07:49 PM - GNUtoo

I added kiwix-tools in the repository.
Installing it enables you to get kiwix-serve, but not yet the desktop client.

Files

kiwix-0.9-1-x86_64-build.log	37.4 KB	2016-01-18	Anonymous
kiwix-git-r4591.785a7f1-1-x86_64-build.log	37.9 KB	2016-01-19	Anonymous