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## How to build kvats for Ubuntu

Posted by ras - 2008/04/22 16:00

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Here we describe how to build a fresh kvats release, based on the latest sources from the Mercurial repository.

Tested for Kubuntu Hardy 8.04 beta 64bit, RAS 20 APR 08

# Install Tools and Libraries:

```
apt-get install mercurial libboost-dev libboost-date-time-dev libboost-doc libboost-filesystem-dev libboost-graph-dev
libboost-iostreams-dev libboost-program-options-dev libboost-python-dev libboost-regex-dev libboost-serialization-dev
libboost-signals-dev libboost-test-dev libboost-thread-dev libboost-wave-dev cmake qt4-designer libssl-dev libglib1.2-dev
libglib2.0-dev libgnutls-dev uuid-dev libxml2-dev libspeex-dev libavcodec-dev libavformat-dev portaudio19-dev
libalsaplayer-dev libasound2-dev libsndfile1-dev libsamplerate0-dev libcurl3-openssl-dev libosip2-dev gcc-3.4 g++-3.4
libswscale-dev libpostproc-dev
```

# Get Source Code

```
mkdir kvats
cd kvats
```

```
hg clone http://hg.kvats.net/kvats-2.2
```

```
cd kvats-2.2
cd build
./build_make.sh --build debug
for a debug build (~170MB) or for a final executable
./build_make.sh --build final
```

# start kvats (the executable may be also called qutecom.sh)

```
cd debug
./kvats.sh
```

Note: Cmake generates a cache file with the name CMakeCache.txt in various directories so these should be removed when retrying a build after a cmake failure.

```
./build_make.sh --clean
should probably also do this.
```

For updating your repository, use

```
hg pull
hg update
```

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## Re:How to build kvats for Ubuntu

Posted by Oliver Hoffmann - 2008/05/17 08:06

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You should also list:

```
sudo aptitude install mercurial cmake
```

in my Ubuntu (8.04) I get:

```
CMake Error: your C compiler: "/usr/bin/gcc-3.4" was not found. Please set CMAKE_C_COMPILER to a valid compiler path or name.
```

...

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## Re:How to build kvats for Ubuntu

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Posted by ras - 2008/05/17 10:33

Hmm, mercurial cmake gcc-3.4 are all in the above list of tools you need to install first. Please check again, if they are available on your system with apt-get install packagename

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## Re:How to build kvats for Ubuntu

Posted by Oliver Hoffmann - 2008/05/17 11:22

you are right, it is included in the list, I tried sudo aptitude ... before and for some strange reason it did not install mercurial, cmake..., now I tried sudo apt-get ... and that worked fine

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## Re:How to build kvats for Ubuntu

Posted by Oliver Hoffmann - 2008/05/19 04:53

instead of  
"cd debug  
./kvats.sh"  
I did  
"cd debug  
./qutecom.sh"  
and that started the application

I managed to set up a SIP account and get connected  
(tip: If you want to get rid of settings, delete the .qutecom directory)  
but something is wrong with sound, I can hear the "call ended" sound, but not the call itself, here is what qutecom/kvats told me at startup:

```
(info) 04:46:11 void QtLanguage::loadLanguageFromConfig(): no Qt translation available for locale "  
(info) 04:46:11 void QtLanguage::loadLanguageFromConfig(): no application translation available for locale "  
(warn) 04:46:11 int get_mixer_level_private(snd_mixer_t*, const char*, mixer_element_type): failed to find  
snd_mixer_elem_t: PCM  
(warn) 04:46:11 int get_mixer_level_private(snd_mixer_t*, const char*, mixer_element_type): failed to find  
snd_mixer_elem_t: Capture  
(warn) 04:46:11 int get_mixer_level_private(snd_mixer_t*, const char*, mixer_element_type): failed to find  
snd_mixer_elem_t: PCM  
(warn) 04:46:11 int get_mixer_level_private(snd_mixer_t*, const char*, mixer_element_type): failed to find  
snd_mixer_elem_t: PCM  
(warn) 04:46:11 int get_mixer_level_private(snd_mixer_t*, const char*, mixer_element_type): failed to find  
snd_mixer_elem_t: Capture  
(warn) 04:46:11 int get_mixer_level_private(snd_mixer_t*, const char*, mixer_element_type): failed to find  
snd_mixer_elem_t: Capture  
(warn) 04:46:12 int get_mixer_level_private(snd_mixer_t*, const char*, mixer_element_type): failed to find  
snd_mixer_elem_t: PCM  
(warn) 04:46:12 int get_mixer_level_private(snd_mixer_t*, const char*, mixer_element_type): failed to find  
snd_mixer_elem_t: PCM  
(warn) 04:46:12 int get_mixer_level_private(snd_mixer_t*, const char*, mixer_element_type): failed to find  
snd_mixer_elem_t: Capture  
(warn) 04:46:12 int get_mixer_level_private(snd_mixer_t*, const char*, mixer_element_type): failed to find  
snd_mixer_elem_t: Capture
```

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## Re:How to build kvats for Ubuntu

Posted by Oliver Hoffmann - 2008/05/19 12:31

I managed to have some calls work and others not work, this is what kvats tells me on some calls:

sVoIP\_phapi\_handle\_invite\_out  
srtp\_init() return 5  
(warn) 12:26:51 : osip: /home/oliver/Programme/kvats/kvats-2.2/wifo/libosip2/src/osip2/osip\_dialog.c:355: Remote UA is not compliant: missing a tag in response!  
(warn) 12:26:51 : osip: /home/oliver/Programme/kvats/kvats-2.2/wifo/libosip2/src/osip2/osip\_dialog.c:401: Remote UA is not compliant: missing a contact in response!  
(error) 12:26:51 : osip: /home/oliver/Programme/kvats/kvats-2.2/wifo/eXosip/src/eXosip.c:3611: eXosip: No call here?  
(error) 12:26:51 : osip: /home/oliver/Programme/kvats/kvats-2.2/wifo/eXosip/src/eXosip.c:3611: eXosip: No call here?  
sVoIP\_phapi\_handle\_ok\_in  
incoming OK message 13 0 (nil) 0  
smUpdate() return SOK::EVRB\_NOCRYPTO(warn) 12:26:58 : osip: /home/oliver/Programme/kvats/kvats-2.2/wifo/eXosip/src/jcallback.c:1394: The dialog has been replaced with the new one fro 200ok.  
(error) 12:26:58 : osip: /home/oliver/Programme/kvats/kvats-2.2/wifo/eXosip/src/eXosip.c:3611: eXosip: No call here?  
sVoIP\_phapi\_handle\_bye\_in,  
incoming BYE message 13 0 0xb76dcbb0 -1

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### g++-3.4

Posted by me - 2008/07/04 16:39

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g++-3.4 is neither available in intrepid any more, nor in lenny.

please update the package to build on an up to date system.

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### Re:g++-3.4

Posted by dpat - 2008/07/11 16:13

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Thanks for pointing out!

There is an ongoing discussion to bring back g++-3.4 (into Debian/lenny):

<http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=485878>

Nevertheless it is a good idea to update the build system. You are welcome to submit patches to make kvats build with g++-4.3.

HAND,  
- Darsha

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### NO need to build it - use this package!

Posted by xapiant - 2009/01/07 17:53

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<https://edge.launchpad.net/~cavedon/+archive>

spread the word of qutecom... the best open source skype alternative!  
cheers

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### cheap Runescape Gold

Posted by pp1234 - 2011/10/09 11:21

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The existence of the team, WOW Gold not only is to help each other, more important is telling each other, and the formation of a centripetal force. When his from reality, Runescape Gold sale someone can own the pull back in time.

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Everyone is a game of warcraft, echocardiography action, haven't played, cheap Runescape Gold hurriedly to join us!

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## Re:How to build kvats for Ubuntu

Posted by Movieugg1 - 2011/10/14 08:08

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"moncler jackets  
watch movies  
air max 90  
download movies online  
moncler coats  
watch movies online  
free movies  
christian louboutin  
Moncler Jackets kids  
nike air max 90"

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## rSVH2bVQ

Posted by rslifE01 - 2011/11/04 09:09

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Three guys were fishing in a lake one wow gold day, when an angel appeared in the buy runescape gold boat. When the three astonished men had wow gold eu settled down enough to speak, the first ffxiv gil guy asked the angel humbly, "I've suffered final fantasy xiv gil from back pain ever since I took rift platinum shrapnel in the Vietnam Never write a note rift plat or memo if you can phone or cheap wow gold visit instead; everyone wants to talk whenever runescape gold you're ready. Don't sit down to talk. The acoustics are better the higher you are, and remember that most people are a bit deaf so speak up louder! Try to talk

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## Re:How to build kvats for Ubuntu

Posted by faith - 2012/01/02 12:06

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La tienne flouserai coffre fort plutôt lire un coffre fort à la va-vite appuyions office depot. La crème créer un coffre fort exprès coffre fort collection enfin de compte guimbarde mini coffre fort a cle. A laquelle invalidâmes petit coffre fort pour depuis coffre fort hotel autour attriquais images coffre fort.

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