Subject: OpenCV and openCV_Demo copiling error
Posted by Giorgio on Thu, 15 Mar 2018 16:54:50 GMT
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Hi there,
I am trying to put in one application a functionality that takes a picture from an usb-cam: for this reason am studying the applications OpenCV and OpenCV_demo, but when I try to compile them (on Windows) I got "error C2059: syntax error : 'constant'" at line 170 of the file core/cvdef.h that is part of the OpenCV library; someone has been able to successfully compile those applications?
Regards,
gio

Subject: Re: OpenCV and openCV_Demo copiling error
Posted by Giorgio on Fri, 16 Mar 2018 11:10:29 GMT
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This is weird...
I created an empty project in U++ and put some test code to check if the OpenCv library was properly installed: the application compiles and runs as expected.
I put the very same code in a U++ project: I have the same compilation problem as above.
I think I am missing something.

Subject: Re: OpenCV and openCV_Demo copiling error
Posted by Oblivion on Fri, 16 Mar 2018 12:56:21 GMT
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I can confirm this (On Linux):

Core/config.h, ln: 69:

#define CPU_SSE2 1 << -- clashes with the CpuFeatures enumerators on cvdef.h, ln 166

Best regards,
Oblivion

Subject: Re: OpenCV and openCV_Demo copiling error
Posted by mirek on Fri, 23 Mar 2018 09:24:08 GMT

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Works for me: Win32, MSC compiler; I have downloaded OpenCV library from the link in the package.

I need more info if you want me to look into this. (e.g. compiler, host, OpenCV whereabouts...)

Subject: Re: OpenCV and openCV_Demo copiling error
Posted by Oblivion on Fri, 23 Mar 2018 10:51:57 GMT
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Hello Mirek,

I did not download it separately. Latest version is available on Arch Linux by default. Maybe that could be a problem...

Arch Linux:

Linux:

Linux localhost 4.15.10-1-ARCH #1 SMP PREEMPT Thu Mar 15 12:24:34 UTC 2018 x86_64 GNU/Linux

Gcc:

COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=/usr/lib/gcc/x86_64-pc-linux-gnu/7.3.1/lto-wrapper
Hedef: x86_64-pc-linux-gnu
/build/gcc/src/gcc/configure --prefix=/usr --libdir=/usr/lib --libexecdir=/usr/lib
--mandir=/usr/share/man --infodir=/usr/share/info --with-bugurl=https://bugs.archlinux.org/
--enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++ --enable-shared --enable-threads=posix
--enable-libmpx --with-system-zlib --with-isl --enable-__cxa_atexit --disable-libunwind-exceptions
--enable-clocale=gnu --disable-libstdcxx-pch --disable-libssp --enable-gnu-unique-object
--enable-linker-build-id --enable-lto --enable-plugin --enable-install-libiberty
--with-linker-hash-style=gnu --enable-gnu-indirect-function --enable-multilib --disable-werror
--enable-checking=release --enable-default-pie --enable-default-ssp

posix
gcc version 7.3.1 20180312 (GCC)

OpenCV, ver: 3.4.1, under /usr/include/opencv2/core

Aa I wrote in the above message, there is a name clash between a defined constant and enumerator (CPU_SSE2). E.g, the example is compiled successfully if I comment out Core/Config.h, ln 69.

Best regards,
Oblivion

Subject: Re: OpenCV and openCV_Demo copiling error
Posted by Giorgio on Fri, 23 Mar 2018 17:50:03 GMT
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Hi Mirek,
I did not notice that there was a specific package of OpenCV, I was trying to compile on Windows 10, using MSVS15x64.

After your post, I downloaded and copied in uppsrc\plugin the "custom" opencv package, but there is still something that I miss.

The linker complained about the missing library opencv_core240d and other *240d libraries. In the opencv directory there were the same libs with 220d instead of 240d, so in the package organizer I changed *240d with *220d. There were also other libraries missing (I guess all from opencv), but in the lib directories of opencv there were nothing similar, so I simply deleted them. Namely, those libraries are:
-opencv_videostab240d
-libjasperd
-libjpegd
-libpngd
-libtiffd

With these modifications the package OpenCV_demo compiles and links, but when I launch it the system complains about missing MSVC100D.dll and MSVCP100D.dll. I googled them and I found that they are the debug dll of Visual C++ 2010. I reinstalled the Visual C++ 2010 Redistributable Package (it was already installed in my system), but with no luck.

Anyway, I am just testing on Windows, the final version of the software will run on Linux, so I will do further tests with linux.
Regards,
gio

Subject: Re: OpenCV and openCV_Demo copiling error
Posted by koldo on Sun, 25 Mar 2018 11:16:53 GMT
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Hello Giorgio

I have found the same problems. Now files and doc. are updated to OpenCV 3.4.1 for MSVC15x64 with instructions for Windows.
A trick to solve the name clash is included.
If you run it in Linux we could update the package and doc.

Subject: Re: OpenCV and openCV_Demo copiling error
Posted by Giorgio on Tue, 27 Mar 2018 16:27:06 GMT
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Hi Koldo,
I downloaded the updated OpenCV_Demo project and it compiles and runs as expected in Windows with MSVS15x64. Also, with the #undef trick I was able to successfully compile and run an application based on OpenCV libraries written by me. As far as regards linux, I downloaded and compiled the OpenCV libraries, I adjusted the build method of upp with the correct path for include and lib directories: OpenCV demo and my application compile and run. The only modification I had to do was to change the name of the libraries in the package organizer: instead of opencv_core I wrote libopencv_core.so and the same for the other libraries. Thank you very much for your effort.
I have a related issue maybe you can help me out with: is possible using opencv libraries to get a video stream from an usb-cam and show it in a upp control? My application does that, but it opens a window and I would like to have everything in only one window.
Regards,
gio

Subject: Re: OpenCV and openCV_Demo copiling error
Posted by koldo on Tue, 27 Mar 2018 21:42:33 GMT
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Hi Giorgio

Good news.

About real time video, I have not handled a video stream for many years.
However I would do two things:
- First, simple solution to have something simple up and running fast: Just setting U++ images
- Second, excellent quality: I would open a SDL control flushing all video there. If managed with a thread with synchronized frame output, better.

Subject: Re: OpenCV and openCV_Demo copiling error
Posted by Giorgio on Tue, 03 Apr 2018 07:25:35 GMT
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Thank you for the suggestions!