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Subject: Re: U++ 2017 beta  
Posted by [cbpporter](#) on Wed, 28 Dec 2016 12:01:46 GMT  
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My review of the beta continues...

So one of the test cases (we use UT a lot) crashes with MINGW. MINGW is more clunky than MSC, but tends to be correct, so I have faith that it is something on our side that can be fixed.

But in the meantime, I installed MSC to see how it fares, since while MINGW compiles well, there is case of GDB crashing and one of a testcase crashing.

I have no idea what MSC you use for the "new" Core, the site is weirdly scarce on info on this (no new comer shall ever find it), but I have used Visual Studio 2015 since I first tried the new C++1x port and it works well. The official build method setup also picks it up (after 5 minutes) and mislabels it MSC15 (it is 14, reported this in the past). Visual Studio 2016/MSVC15 has been moved back to 2017 and even if it is released in 2017, with bureaucracy an inertia, you can't expect a lot of people to upgrade to it before 2020. So MSVC14 should be properly detected. And it is not, because it misses some include paths.

After I fix it by hand, everything works, including the testcases.

After playing around with it for a day or so, it looks good and stable.

On a sidenote, not related to the beta, Xmlize can be ridiculously slow. Here is are some outputs:

Compilation finished in 0.256 seconds. 0.072 seconds (28.162%) spent on update.  
Compilation finished in 0.093 seconds. 0.077 seconds (81.781%) spent on update.

That is 0.160 used on up a single line:

```
for (int i = 0; i < sources.GetCount(); i++) {  
    ZPackage& pak = *sources[i].Package;  
    StoreAsXMLFile(pak, "cache", pak.OutPath + "\\cache.xml");  
}
```

The StoreAsXMLFile saves a whopping 36.2 KiB of XML on disk in 0.160 seconds. Anything above 0.010 I find unacceptable, so I think it is time to say goodbye to Xmlize.

So In conclusion:

- The quality of the code in the packages is at its usual high standards and U++ is a great library
  - installing and ease of getting started is at the same all time low it has been for a year now
  - MINGW will never be good until Mirek switches over to it fully for at least 2 months, not touching MSC in this period.
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