



Published on *ROOT* (<http://root.cern.ch/drupal>)

[Home](#) > [Blogs](#) > [axel's blog](#) > [Printer-friendly PDF](#)

---

# C++14

Submitted by axel on Thu, 01/11/2012 - 17:41

[C++](#) <sup>[1]</sup> [standard](#) <sup>[2]</sup>

Hi,

Two weeks ago I participated at the ISO C++ standard meeting. It was my and CERN's first one and a pleasant surprise. A few news items:

- The next two standards are planned for 2014 and 2017, with 2014 being a bit like 2003: mostly bug fixes and usability improvements.
- There is now (thanks to CERN's presence :) a working group on reflection in C++.
- The next meeting will be in April, in Bristol. I will try to give a CERN computing seminar beforehand, such that we can collect your feedback on the proposals that will be discussed in Bristol.
- There is a new web site on the future of the C++ standard: [isocpp.org](http://isocpp.org) <sup>[3]</sup>

Topics that were discussed in Portland were vectorization directives and parallel algorithms (sort etc). There were favorable votes on runtime-sized arrays `void f(int n) { int arr[n]; ...`, generic lambdas `[](auto a){ return ++a; }`, binary literals `0b10010001000001000` and digit separators to make for instance binary literals readable `0b1_0010_0010_0000_1000`. There were very annoying problems with digit separators versus user defined literals (think the UDL `_3d` and hex numbers with digit separators), so the whole digit separator business is not yet resolved. For the others it's likely that they will at least end up in the 2017 standard.

Is there anything else you want to know? Ask, or watch [Herb Sutter's live show](#) <sup>[4]</sup> tomorrow at 12:45 Pacific Time == 20:45 CERN time <sup>[5]</sup>.

Cheers,

© 1995-2013 The ROOT Team

---

Source URL: <http://root.cern.ch/drupal/content/c14>

## Links:

- [1] <http://root.cern.ch/drupal/category/package-context/c>
- [2] <http://root.cern.ch/drupal/category/package-context/standard>
- [3] <http://www.isocpp.org>
- [4] <http://herbsutter.com/2012/10/29/the-future-of-c-live-broadcast-this-friday/>
- [5] <http://www.timeanddate.com/worldclock/fixedtime.html?iso=20121102T1945>