C++ Club UK

Gleb Dolgich

2019-08-15

Cologne Trip Report

- Timur Doumler

GCC 9.2 Released

https://gcc.gnu.org/gcc-9/changes.html

https://www.reddit.com/r/cpp/comments/cpiwfc/gcc_92_released/

Remember the Vasa! or, plus ça change, plus c’est la même chose

Ben Deane

> *C++ is growing. Change can be daunting, but I think we’re going to be fine. And when one day a specific little hammer is just the right tool for the task at hand, I’ll be thankful that someone added that hammer to my toolbox.*

https://www.reddit.com/r/cpp/comments/cpqzwk/remember_the_vasa_or_plus_%C3%A7a_change_plus_cest_la/

VxWorks uses Clang and C++14

https://www.windriver.com/products/vxworks/

https://resources.windriver.com/vxworks/vxworks-compilers-and-frameworks

VxWorks powers more than 2 billion devices.

Fixing C++ with epochs

Vittorio Romeo

> *The goal of this blog post is to convince you that we need an equivalent of Rust Editions in C++, and that it is possible and a good idea.*

https://www.reddit.com/r/cpp/comments/clcz08/fixing_c_with_epochs/

https://www.reddit.com/r/cpp/comments/cnsi6x/an_alternative_to_epochs/

Should not exceptions be finally deprecated?

https://www.reddit.com/r/cpp/comments/cliw5j/should_not_exceptions_be_finally_deprecated/

> *I have been programming in C++ for a long time, but I still do not understand how to use exceptions.*

A C++ acronym glossary

Arthur O'Dwyer

https://www.reddit.com/r/cpp/comments/cl7arc/a_c_acronym_glossary/

See also: https://en.cppreference.com/w/cpp/language/acronyms

SCARY Seemingly erroneous (appearing Constrained by conflicting generic parameters), but Actually works with the Right implementation (unconstrained bY the conflict due to minimized dependencies). From http://www.stroustrup.com/SCARY.pdf

Productivity Improvements for Visual C++

Visual Studio Blog

- New Default Semantic Colorization
- Template Argument Filtering in Call Stack Window
- IntelliCode On-By-Default

Free Book > Pro TBB

C++ Parallel Programming with Threading Building Blocks

- PDF
- Epub

https://www.reddit.com/r/cpp/comments/cov2xw/pro_tbb_c_parallel_programming_with_threading/

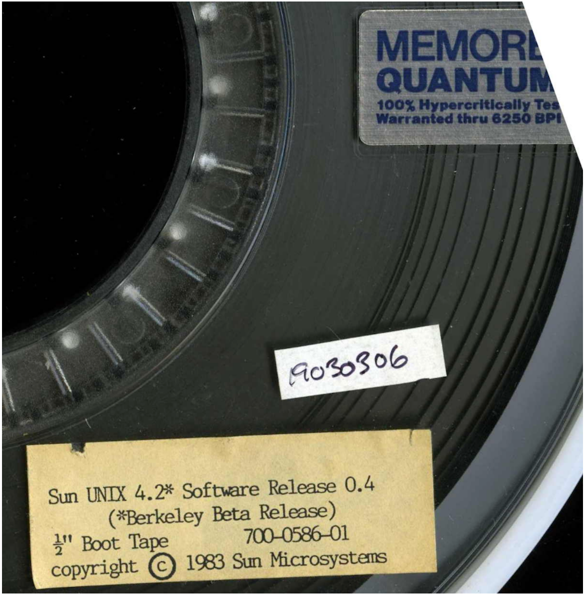
Stop using out arguments

Sean Parent: https://stlab.cc/tips/stop-using-out-arguments.html

out_ptr

- P1132R6
- Example
- Code: https://github.com/ThePhD/out_ptr (Boost)

Retro


MEMORE
QUANTUM
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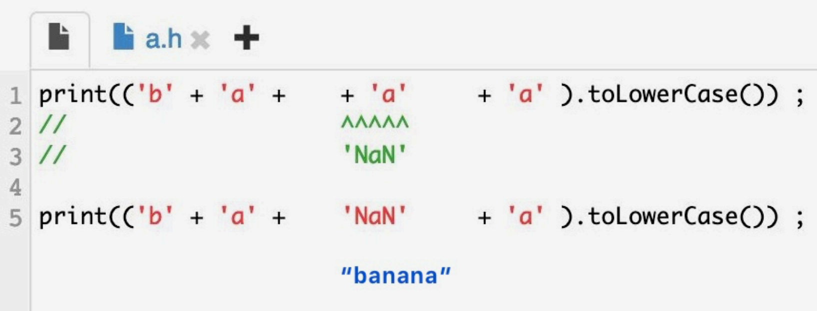
Warranted thru 6250 BPI
19030306
Sun UNIX 4.2* Software Release 0.4
(*Berkeley Beta Release)
½" Boot Tape 700-0586-01
copyright © 1983 Sun Microsystems

JavaScript is weird



```
print(('b' + 'a' +   + 'a'     + 'a' ).toLowerCase()) ;
//                   ^^^^^
//                   'NaN'

print(('b' + 'a' +   'NaN'     + 'a' ).toLowerCase()) ;

                     "banana"
```