C++ Club UK

Gleb Dolgich

2019-09-05

Post-Cologne Mailing

http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2019/#mailing2019-08

▶ Reddit

Arthur O'Dwyer

https://quuxplusone.github.io/blog/2019/08/18/post-cologne-mailing/

► Reddit

CppCast: C++ Epochs with Vittorio Romeo

https://cppcast.com/vittorio-romeo-epochs/

https://www.reddit.com/r/cpp/comments/cxbkae/cppcast_c_epochs/

Article: https://vittorioromeo.info/index/blog/fixing_cpp_with_epochs.html

Rust vs. C++

Reddit: Is the C++ committee or any key influencers in the C++ community working on anything to tackle the advantages that Rust has over C++ (eg. Rust's borrow checking, compiler-checked concurrency safety and cargo package management)

Vcpkg: 2019.07 Update

https://devblogs.microsoft.com/cppblog/vcpkg-2019-07-update/

https://www.reddit.com/r/cpp/comments/cqta79/vcpkg_201907_update/

Hopefully you will not require specific versions of packages, as the workflow of vcpkg doesn't really support the (very common) scenario well.

{fmt} V6.0.0 released

https://github.com/fmtlib/fmt/releases/tag/6.0.0

https://www.reddit.com/r/cpp/comments/cvogos/fmt_60_released_with_format_string_compilation/

Cpp.Chat: https://youtu.be/PleLO-H9ZZE

CppCast: https://cppcast.com/victor-zverovich/

Boost 1.71 released

https://www.boost.org/users/history/version_1_71_0.html

- NEW: Variant2: A never-valueless, strong guarantee implementation of std::variant, from Peter Dimov.
- ▶ Reddit

OSes built using C++

Reddit

- ► TempleOS
- ► Haiku
- ▶ Google Fuchsia
- ► IncludeOS
- DistortOS (RTOS)
- Symbian OS (Dead)
- ► SerenityOS

Lambdas vs. Closures

Scott Meyers

► Reddit

Web Framework Benchmarks

https://www.techempower.com/benchmarks/#section=test&runid=26a79c95-5eec-4572-8c94-dd710df659d7&hw=ph&test=update

▶ Reddit

https://github.com/an-tao/drogon

Drogon: A C++14/17 based HTTP web application framework running on Linux/macOS/Unix

Introducing the Rule of DesDeMovA (1/4)

Blog post by Peter Sommerlad

https://blog.safecpp.com/2019/07/01/initial.html

https://accu.org/content/conf2014/Howard_Hinnant_Accu_2014.pdf

Rule of Zero:

Code that you do not write cannot be wrong.

Introducing the Rule of DesDeMovA (2/4)



Introducing the Rule of DesDeMovA (3/4)



Introducing the Rule of DesDeMovA (3/4)



Twitter: Neural Proposals



Simon Brand @TartanLlama

Threw every C++ proposal title in history into a recurrent neural network and some sound surprisingly legit

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Introducing the Proposal for an Resumable memory related initialization from string user enuming values
Integer C++ Function (Revision 9)
Fixing The Konates of Capture
feature lock view-expressions
GENDA, Tiny Proposed Regrogish to Standard Library
Transparentic atomic operations (rev. 3)
Editor's Report for Deprecate Vector Technical Specification and Allocation
Containers for Parflock Points
std::function without a requirement and optimization for the C++2 Defects Record
Propose-a the Generic Memory Modification
Equalized Interaction for the Model Proposal for P0107R2
Introduce types in computing and string that in C++
Contract Design Aliation for be Business
Gegropage initialization finesy policies in point memory scheduler be roding robot and enumerations
Reflection of noexcepts in C++20
std::::haluter tokence related (revision 1)
Meeting Not C++
Parallellative Intermate() and unlumbing cip
What madened: Propose-tight member of Painfreacted Default
Lookup Asiomation TS
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