

Welcome to C++ Edinburgh

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Want to do a talk?

Want to do a talk at C++ Edinburgh?

Doing something interesting with C++ and would like to tell us about it at C++ Edinburgh? We'd love to see anything C++-related, whether personal projects, things you've learnt recently, or work you've done for your occupation. You'll be contacted at a later date to see if you'd be up for speaking at a particular event and don't worry, you can always change your mind. For questions, please contact cppedinburgh@gmail.com.

***Required**

What is your full name? *

What is your email address? *
Are you located within or around Edinburgh? *

Yes
 No

Where do you work/study and what do you do?
(Optional)

<http://goo.gl/forms/bhS0M2mtGN>

Keep up-to-date

with C++ Edinburgh happenings.

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C++ Edinburgh



Mailing List

C++ Update

July 2016

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Status of C++17

Even more things have made it in!

Language

- Class template argument deduction
- `template <auto>`
- `auto [x, y, z] = f();`
- `if (init; condition)`
- `constexpr if`
- Inline variables
- Forward progress guarantees

Library

- `variant<>`
- Memory management algorithms
(`destroy`,
`uninitialized_value_construct`,
...)
- Splicing for maps and sets
- `std[0-9]+ reserved`

Status of Technical Specifications

See here for details: <http://en.cppreference.com/w/cpp/experimental>

Parallelism TS	Merged into C++17
Filesystem TS	Merged into C++17
Special Math TS	Merged into C++17
Library Fund. TS	Part merged into C++17
Concepts TS	Published
Concurrency TS	Published
Transac. Memory TS	Published
Ranges TS	Working draft
Networking TS	Working draft
Modules TS	Working draft
Coroutines TS	Working draft

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Numerics TS	Early development
Concurrency TS 2	Early development
Parallelism TS 2	Early development
Transac. Memory TS 2	Early development
Graphics TS	Early development

Who's Hiring?

Regular job opening posts on Reddit



The screenshot shows a Reddit post in the r/cpp subreddit. The post title is "Who's Hiring C++ Devs - Q3 2016" (self.cpp), submitted 23 days ago by user STL MSVC STL Dev [M] - announcement. The post has 109 upvotes. Below the title is a section titled "Rules For Individuals" with a bullet point: "• Don't create top-level comments - those are for emr".

reddit CPP comments

↑ 109 ↓

Who's Hiring C++ Devs - Q3 2016 (self.cpp)
submitted 23 days ago by STL MSVC STL Dev [M] - announcement

Rules For Individuals

- Don't create top-level comments - those are for emr

<https://reddit.com/r/cpp/>

GCC 6.1 is out

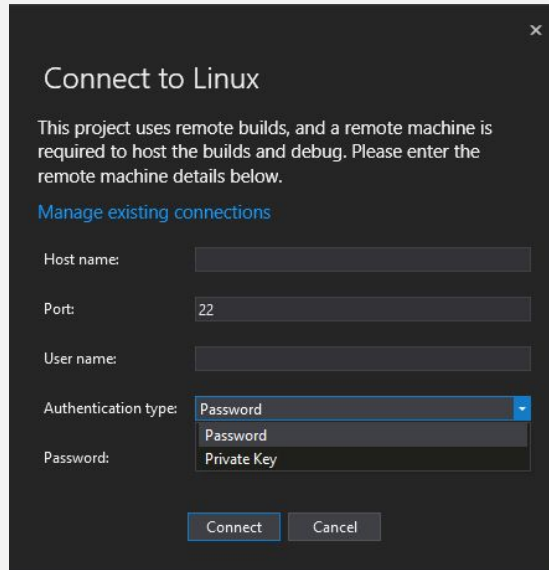
With plenty of C++17 support

Language Feature	Proposal	Available in GCC?
Removing trigraphs	N4086	5.1
u8 character literals	N4267	6
Folding expressions	N4295	6
Attributes for namespaces and enumerators	N4266	4.9 (namespaces) 6 (enumerators)
Nested namespace definitions	N4230	6
Allow constant evaluation for all non-type template arguments	N4268	6
Extending static_assert	N3928	6
<code>[[fallthrough]]</code> attribute	P0188R1	No (bug 7652)
<code>[[nodiscard]]</code> attribute	P0189R1	4.8 (<code>[[gnu::warn_unused_result]]</code>) 7 (P0189R1)
<code>[[maybe_unused]]</code> attribute	P0212R1	4.8 (<code>[[gnu::unused]]</code>) 7 (P0212R1)
Extension to aggregate initialization	P0017R1	No
Wording for <code>constexpr</code> lambda	P0170R1	No
Unary Folds and Empty Parameter Packs	P0036R0	6
Generalizing the Range-Based For Loop	P0184R0	6
Lambda capture of <code>*this</code> by Value	P0018R3	No
Construction Rules for <code>enum class</code> variables	P0138R2	No
Hexadecimal floating literals for C++	P0245R1	3.0

Technical Specification	Document	Available in GCC?
Concepts	N4377	6
Transactional Memory	N4514	6 (no <code>atomic_cancel</code>)

Visual C++ for Linux Development

Remote building on Linux



Connect to Linux

This project uses remote builds, and a remote machine is required to host the builds and debug. Please enter the remote machine details below.

[Manage existing connections](#)

Host name:

Port:

User name:

Authentication type:

Password:

<https://blogs.msdn.microsoft.com/vcblog/2016/03/30/visual-c-for-linux-development/>

Awesome C++

Awesome C++

A curated list of awesome C/C++ frameworks, libraries, resources, and shiny things

Find the software you need

<https://cpp.libhunt.com/>

Lots of interesting new tools/libraries

Standardese

magnum

μWebSockets

str_to_integer

doctest

Vulkan C++ API

Video++

And many more...

Announcements?
Questions?