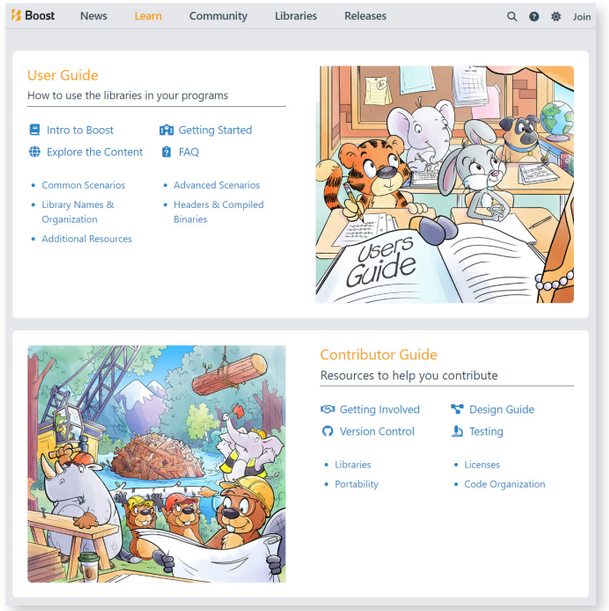


Keep up to date with news and announcements by following us on X at https://x.com/**@Boost_Libraries**

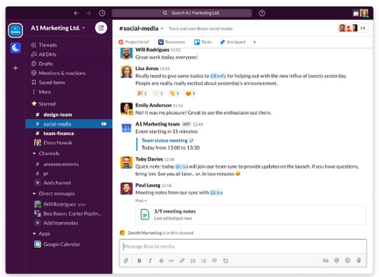
Cppcon 2024 September 15-20
The C++ Conference
Aurora, Colorado, USA

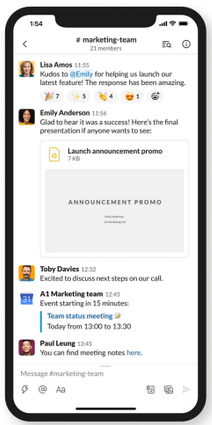
The Official C++ Language Slack Workspace

https://**cpp.al/slack**

- Live chat for C++ community
- All countries and time zones
- Meet both novices and experts
- Home to Boost contributors
- Video and audio group calls
- Phone, browser, and desktop
- Full message and media history
- GitHub integration, and more.

slack from Salesforce





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The C++ Alliance is a financial sponsor of Boost and a Bronze supporter of CppCon 2024.
Visit us at https://**cpp.al**

Boost

Boost C++ Libraries

https://**boost.org**

- Over 150 great libraries
- Three releases per year
- Often preinstalled
- Written by experts
- Fully documented
- Continuously tested

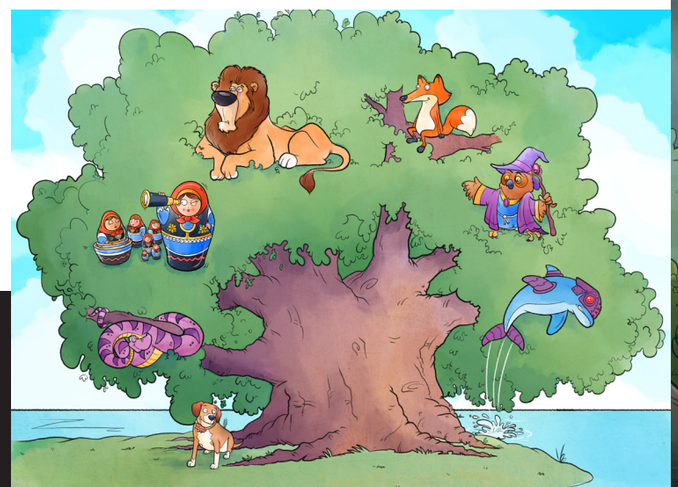
Using Boost will make your code portable, save you time, and increase your productivity at work or at home.

In the last seven years the collection has been revitalized by fresh volunteers and ideas. Join us as we discover the new Boost.

A Fresh Look!

boost.org

brand new



Boost Has Something for Everyone

Networking

Write portable, optimized web applications using coroutines (since C++20) or callbacks (since C++11) without waiting for the Standard Library to catch up.

Boost.Asio networking lets you connect to the Internet easily and efficiently

Boost.Beast speaks HTTP and WebSocket with an expertly designed interface

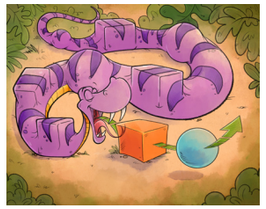
Boost.Redis is a client with unparalleled performance and scalability.

Boost.MySQL connects to external databases with an idiomatic API

Boost.JSON implements the web's standard for data interchange

Boost.URL does fast parsing and manipulation of URLs

Innovation



Why wait for the Standard Library?
Use these elegant solutions to common problems now.

Boost.Unordered is a family of best-in-class hash containers

Boost.Mp11 offers powerful metaprogramming tools since C++11 and later

Boost.Describe brings practical reflection since C++14

Boost.Parser will deliver modern, easy to use combinators (in 1.87.0)

Boost.Scope runs your code at scope exit. Based on P0052R10

Compatibility

Stuck on older toolchains? These libraries all work since C++11:

Boost.Assert has <source_location>

Boost.Charconv provides <charconv>

Boost.Variant2 is a never valueless <variant>

Boost.Optional is like <optional> and supports references!

Science

Boost is the industry leader for scientific applications where performance and correctness are paramount. These algorithms do the work so you don't have to.

Boost.Math speaks CUDA and is so good, even the STL uses it

Boost.Geometry contains precision-engineered spatial algorithms

Boost.Multiprecision has big numbers for big problems