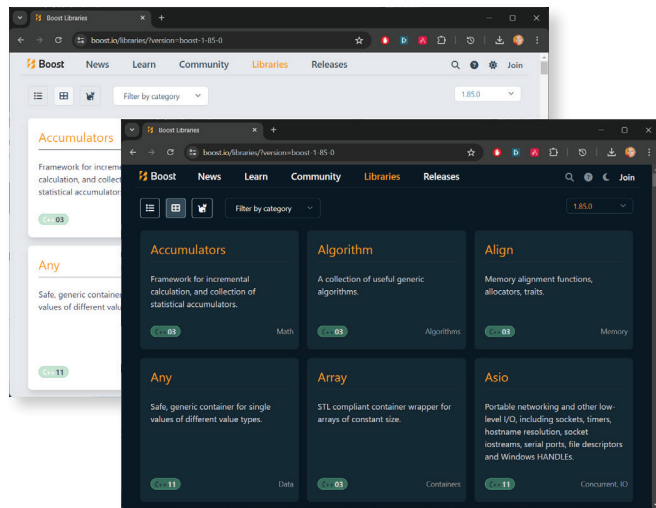


3.77 in w

Check out our new website at <https://boost.io>



Celebrate 26 years of Boost with us!

New Logo, Same Excellence



Our rigorous workflow enables hundreds of contributors working independently to create a single, well-tested release three times every year. Boost's founding principles deliver value for everyone using C++:

- Formal Review Process
- Boost Software License
- Robust Expert Discussion
- Broad Toolchain Support
- Technical Excellence
- Quality Control

back

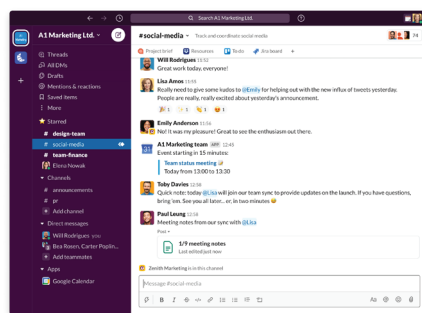
3.86 in w



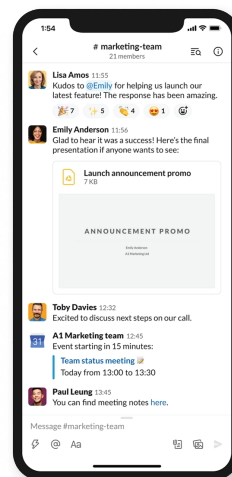
The Official C++ Language Slack Workspace

<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 is a registered trademark and service mark of Slack Technologies, Inc.



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



front

3.86 in w



The 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.



3.77 in w

New Website!

Boost's website has a brand new look which reimagines and improves the features of the previous site; including artwork lovingly drawn by a human, a database, GitHub integration showing insights into each library repository, and more, including:

- User Guide
- Contributor Guide
- Formal Review Guide
- Light and Dark Modes
- Library Documentation
- Track Release Schedule
- Full-text Search
- Live News Feed
- Option to Sign Up



Keep up to date by following us on X at https://x.com/@Boost_Libraries

Boost Has Something for Everyone

Networking

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

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

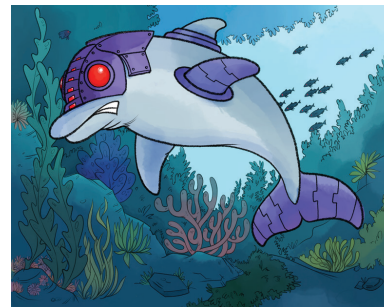
Boost.Beast speaks HTTP and WebSocket with an expertly designed interface

Boost.Redis is a high performing client with exceptional scaling

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

Boost delivers code, not papers; our libraries bring value to users by elegantly solving today's common problems.

Boost.Describe brings practical reflection since C++14

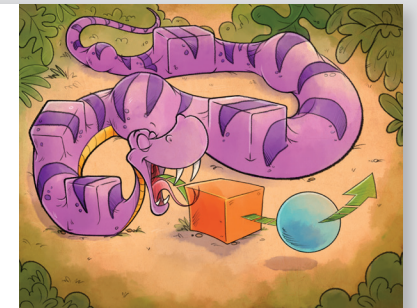
Boost.Unordered is a family of best-in-class hash containers

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

Boost.Cobalt makes C++20 coroutines easy with algorithms needed to succeed

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 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.Histogram is blazing fast and easy-to-use

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

Boost.Multiprecision has big numbers for big problems

Boost.Geometry contains precision-engineered spatial algorithms

