

Boost 1.88.0



113,499 commits up through 1.88.0

81,358 lines added, **43,059** lines removed

1,388 new commits in all library repositories

116 commit contributors, **49** new



318 issues opened, **210** closed

544 posts to the developer's mailing list

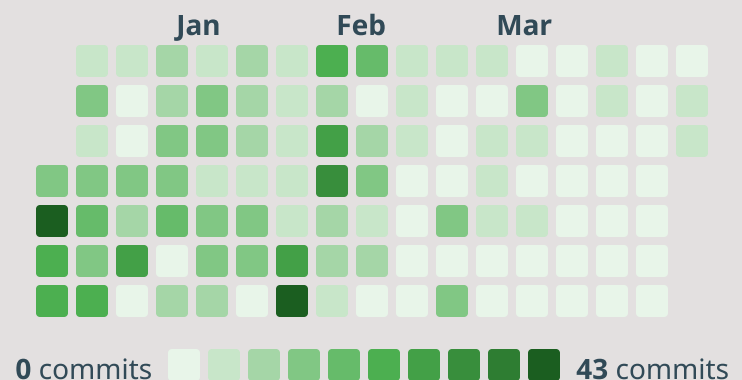
69 unique mailing list users, **10** new

2 libraries added



Download Now!	
 Unix	boost_1_88_0.tar.bz2
	boost_1_88_0.tar.gz
 Windows	boost_1_88_0.7z
	boost_1_88_0.zip

Commits from December '24 to April '25



From the Fiscal Sponsorship Committee

From the Fiscal Sponsorship Committee, we're happy to see these release reports grow nicer and more informative, and encourage everyone to give their feedback for further improvement. Boost 1.88 is an important release, with two new libraries and updates to 21 more. As the project advances into 2025, its reach extends into new application areas while improving the foundational core, and the backlog of upcoming proposals is cementing this trend for the rest of the year. None of this would be possible without the efforts from authors, contributors, the user community, and you.



Ion Gaztanaga



Joaquín M López
Muñoz



René Ferdinand
Rivera Morell

Git activity for this release

1,388 Commits Across **154** Repositories

49 First-time Contributors

Top Contributors



Peter Dimov

236 commits



Alexander Grund

153 commits



Rene Rivera

140 commits



Matt Borland

115 commits



Andrey Semashev

70 commits



Anarthal (Rubén Pérez)

52 commits



Antony Polukhin

50 commits



James E. King III

38 commits



Klemens Morgenstern

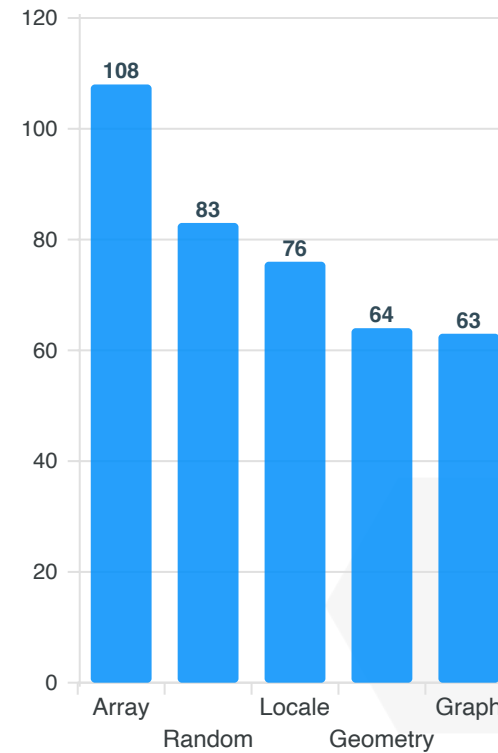
32 commits



Mohammad Nejati

27 commits

Most Committed Libraries



Mailing List

Top Contributors



Peter Dimov
73 posts



Matt Borland
63 posts



Anarthal (Rubén Pérez)
57 posts



Ivan Matek
45 posts



Vinnie Falco
32 posts



Christopher Kormanyos
24 posts



Andrey Semashev
19 posts



Chuanqi Xu
17 posts



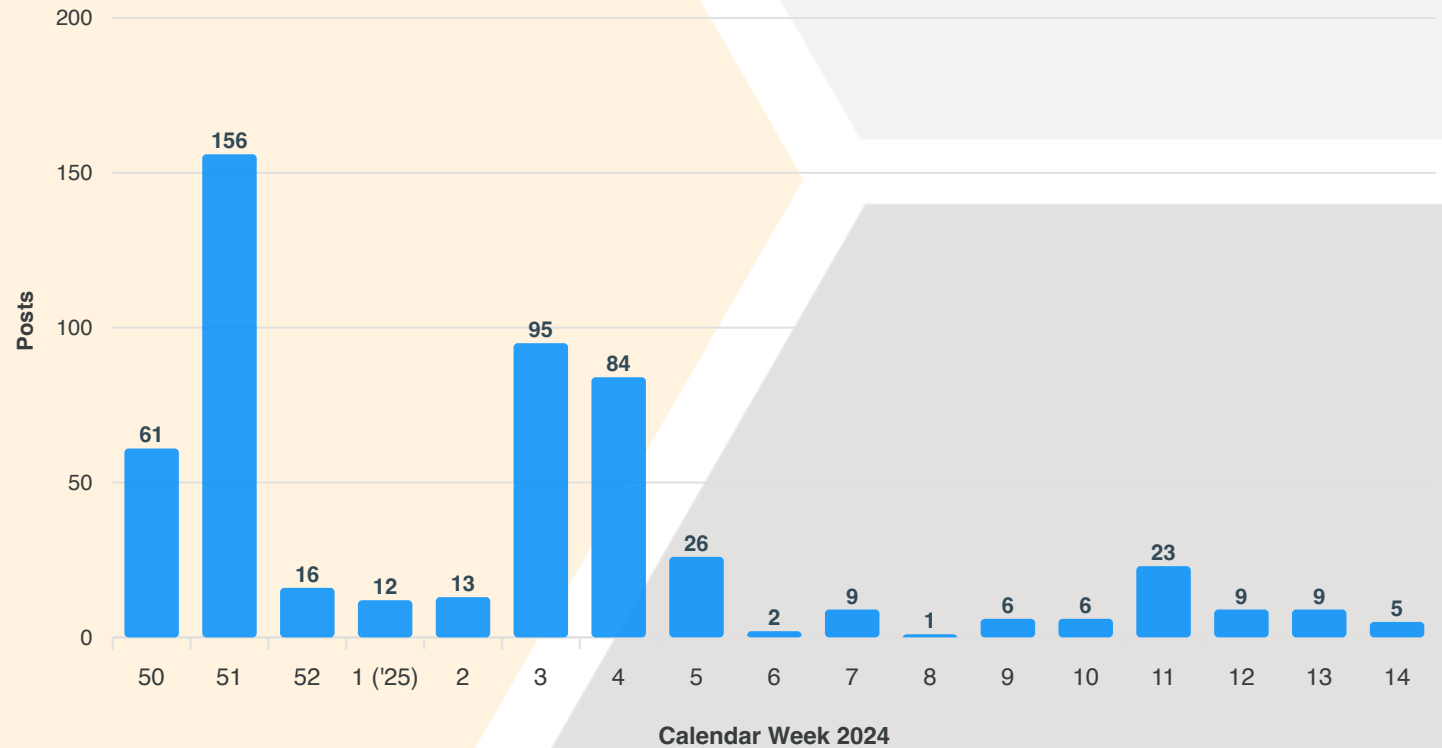
John Maddock
16 posts



Marshall Clow
16 posts

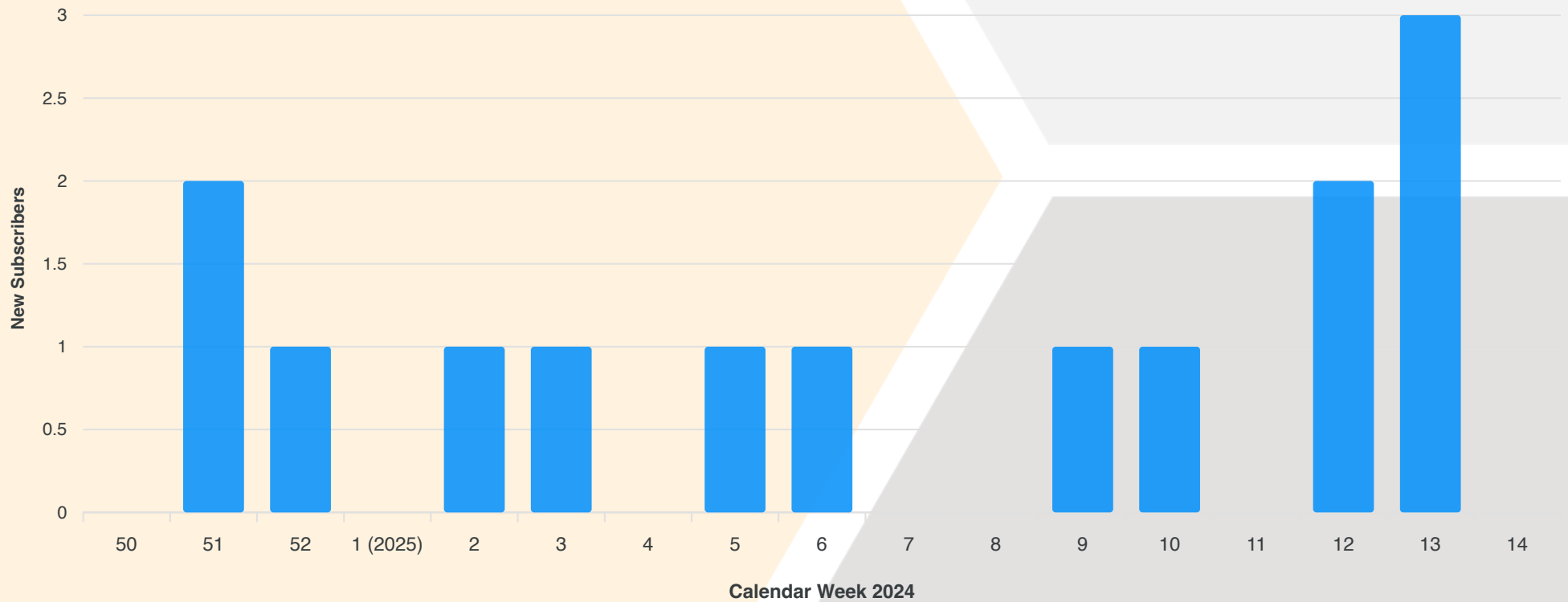
There were **544** mailing list posts in version 1.88.0 and **69** posters in this version. **(10 New)**

Weekly mailing list posts from Dec. 12, 2024 to April 3, 2025 on the Boost Developers mailing list.



Mailing List New Subscribers

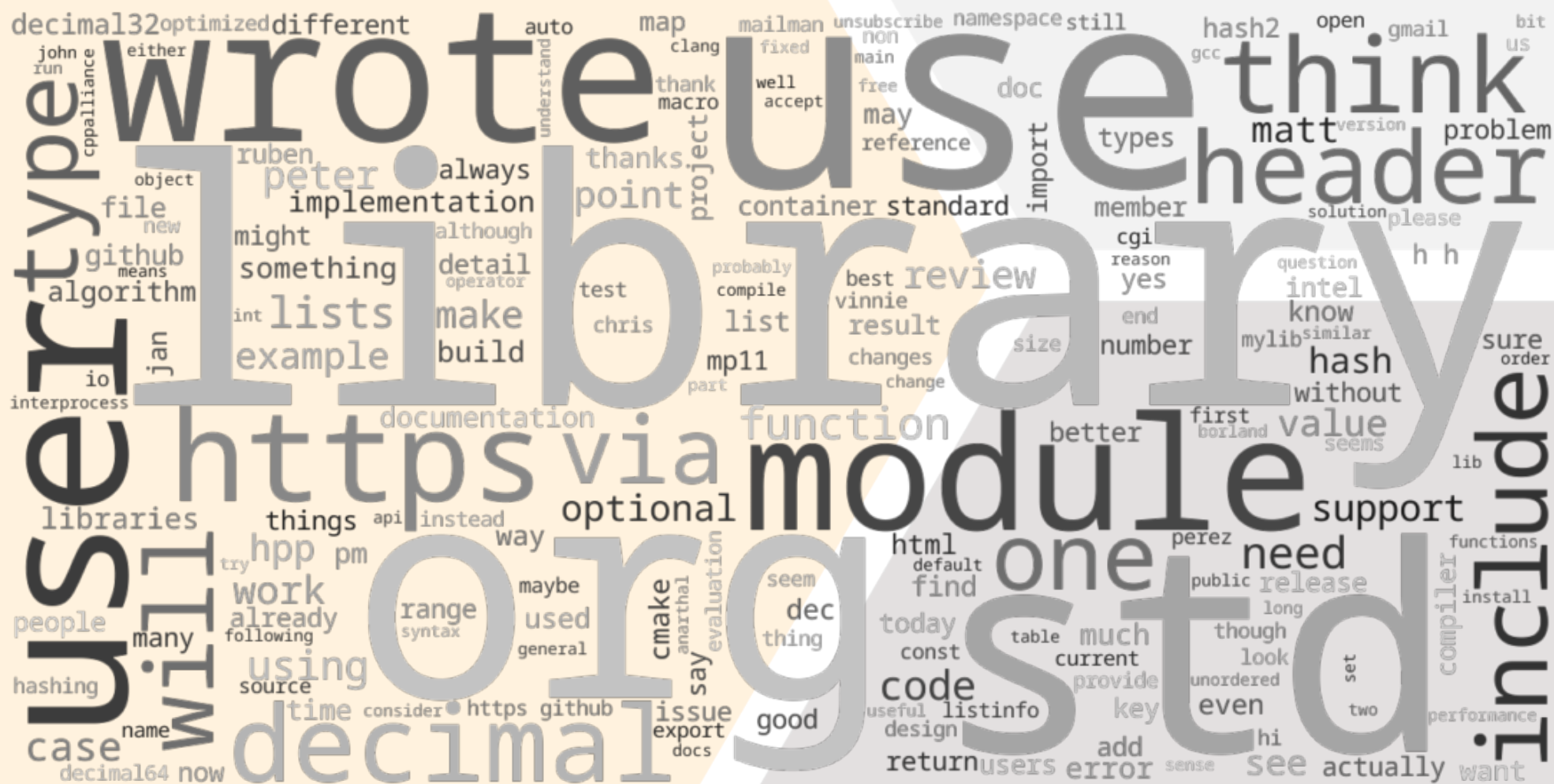
Mailing list new subscribers from from Dec. 12, 2024 to April 3, 2025 on the Boost Developers mailing list.



Mailing List Top 200 Most Frequently Used Words

accept	decimal	hash	macro	part	solution	users
actually	decimal32	hash2	mailman	people	something	using
add	decimal64	hashing	main	perez	source	value
algorithm	default	header	make	performance	standard	version
already	design	hi	many	peter	std	via
although	detail	hpp	map	please	still	vinnie
always	different	html	matt	pm	support	want
anarthal	doc	https	may	point	sure	way
api	docs	https github	maybe	probably	syntax	well
auto	documentation	implementation	means	problem	table	will
best	either	import	member	project	test	without
better	end	include	might	provide	thank	work
bit	error	install	module	public	thanks	wrote
borland	evaluation	instead	mp11	question	thing	yes
build	even	int	much	range	things	
case	example	intel	mylib	reason	think	
cgi	export	interprocess	name	reference	though	
change	file	io	namespace	release	time	
changes	find	issue	need	result	today	
chris	first	jan	new	return	try	
clang	fixed	john	non	review	two	
cmake	following	key	now	ruben	type	
code	free	know	number	run	types	
compile	function	lib	object	say	understand	
compiler	functions	libraries	one	see	unordered	
consider	gcc	library	open	seem	unsubscribe	
const	general	list	operator	seems	us	
container	github	listinfo	optimized	sense	use	
cppalliance	gmail	lists	optional	set	used	
current	good	long	order	similar	useful	
dec	h h	look	org	size	user	

Mailing List Word Cloud



Slack Channels

#boost

boost library discussions

#boost-asiobook

Discussion about the "Boost Asio Book," a detailed tutorial and reference for writing concurrent network programs using Boost.Asio:

<<https://github.com/cppalliance/asio-book>> Maintainers:

<@U27J6E2D9> <@U2G5N11JR> <@U8YHN7X5G>

#boost-decimal

IEEE 754 Decimal Floating Point in C++14

#boost-gil

Boost GIL (Boost Generic Image Library)

#boost-http

Repo: <https://github.com/CPAlliance/http_proto> Docs:

<<https://master.http-protocol.cpp.al/>> See Also:

<<https://github.com/libcpr/cpr>> RFCs <<https://www.rfc-editor.org/rfc/rfc9110.html>> <<https://www.rfc-editor.org/rfc/rfc9112.html>>

#boost-asio

#boost-charconv

#boost-docs

Talk about Boost documentation development

#boost-gsoc

Boost Google Summer of Code

#boost-json

Discussion of Boost.JSON, a proposed library not yet in Boost

#boost-multi

Multi library, multidimensional arrays for C++. Proposed for Boost.

<<https://github.com/correaa/boost-multi>>

<<https://gitlab.com/correaa/boost-multi>>

#boost-process

#boost-unordered

Boost.Unordered <<https://github.com/boostorg/unordered>>

<https://pdimov.github.io/articles/unordered_dev_plan.html>

#boost-website

Channel dedicated to all things related to the development and enhancement of the Boost website. Share updates, ask questions, and collaborate on best practices for web design and development here. Let's build something amazing together!

#boost-packaging

Chatting about how Boost is packaged and how to improve the packaging story for Boost.

#boost-requests

#boost-url

Boost.URL (not official) <<https://github.com/CPAlliance/url>>

#boost-zlib

Discussion for development of Boost.ZLib

#boost

2,707 slack messages in #boost

53 people were active for this release. (11 New)

Top Contributors



Peter Dimov
720 messages



Christian Mazakas
352 messages



Vinnie Falco
225 messages



Matt Borland
190 messages



Joaquín M López Muñoz
169 messages



René Ferdinand Rivera ...
148 messages



Rubén Pérez Hidalgo
103 messages



Dmitry Arkhipov
92 messages



ChuanqiXu
83 messages



Arnaud Becheler
63 messages

#boost-website

1,633 slack messages in #boost-website

16 people were active for this release. (0 New)

Top Contributors



Vinnie Falco
609 messages



Rob Beeston
403 messages



Sam Darwin
156 messages



René Ferdinand Rivera ...
153 messages



Greg Kaleka
139 messages



Christian Mazakas
46 messages



Dave O'Connor
30 messages



Rubén Pérez Hidalgo
21 messages



Brian Perrett
20 messages



Joaquín M López Muñoz
16 messages

#boost-asio

578 slack messages in #boost-asio

28 people were active for this release. **(11 New)**

Top Contributors



Gwynevere
117 messages



Rubén Pérez Hidalgo
76 messages



Mohammad Nejati
70 messages



Danijel Zlaus
48 messages



Klemens Morgenstern
47 messages



Borislav Stanimirov
32 messages



Vinnie Falco
32 messages



Eduard Rostomyan
26 messages



Peter Dimov
19 messages



Marcelo Zimbres Silva
18 messages

#boost-http

412 slack messages in #boost-http

5 people were active for this release. **(0 New)**

Top Contributors



Vinnie Falco
246 messages



Mohammad Nejati
155 messages



Peter Dimov
8 messages



Alan de Freitas
2 messages












Giver
1 message

#boost-unordered

293 slack messages in #boost-unordered
9 people were active for this release. (0 New)











Top Contributors

-  **Christian Mazakas**
109 messages
-  **Peter Dimov**
73 messages
-  **Joaquín M López Muñoz**
61 messages
-  **Braden Ganetsky**
22 messages
-  **Sam Darwin**
13 messages
-  **Nuno Goncalves**
6 messages
-  **martinus**
5 messages
-  **Dmitry Arkhipov**
3 messages
-  **Fernando Pelliccioni**
1 message

#boost-json

257 slack messages in #boost-json
11 people were active for this release. (2 New)

Top Contributors

-  **Dmitry Arkhipov**
92 messages
-  **Peter Dimov**
71 messages
-  **RoyBellingan**
33 messages
-  **Seth Bromberger**
31 messages
-  **Alfredo Correa**
9 messages
-  **Raziel Alphadios**
7 messages
-  **Brian Bang**
4 messages
-  **Darrell Wright**
3 messages
-  **Nicolás**
3 messages
-  **Vinnie Falco**
3 messages

#boost-multi

209 slack messages in #boost-multi

3 people were active for this release. (1 New)

Top Contributors



Raziel Alphadios

122 messages



Alfredo Correa

85 messages



Marc Viala

2 messages

#boost-url

197 slack messages in #boost-url

7 people were active for this release. (0 New)

Top Contributors



Alan de Freitas

94 messages



Peter Dimov

54 messages



Vinnie Falco

26 messages



Jarrod Smith

10 messages



Rubén Pérez Hidalgo

6 messages



Nicolás

6 messages



Me2

1 message

#boost-docs

36 slack messages in #boost-docs

6 people were active for this release. (0 New)

Top Contributors



Rubén Pérez Hidalgo

14 messages



Dmitry Arkhipov

10 messages



Rob Beeston

6 messages



Peter Turcan

3 messages



René Ferdinand Rivera ...

2 messages



Vinnie Falco

1 message

#boost-decimal

22 slack messages in #boost-decimal

2 people were active for this release. (0 New)

Top Contributors



Ray Manaloto

12 messages



Matt Borland

10 messages

#boost-gil

11 slack messages in #boost-gil

2 people were active for this release. (1 New)

Top Contributors



Olzhas

6 messages



Alfredo Correa

5 messages

#boost-charconv

2 slack messages in #boost-charconv

2 people were active for this release. (0 New)

Top Contributors



Sam Darwin

1 message



Matt Borland

1 message

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URL

Utility

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Variant

Variant2

VMD

Wave

WinAPI

Xpressive

YAP

Boost.Any

Safe, generic container for single values of different value types.

There were **2** commits in release 1.88.0

50 lines added, **50** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Antony Polukhin

2 commits

Boost.Array

STL compliant container wrapper for arrays of constant size.

There were **108** commits in release 1.88.0

3,703 lines added, **987** lines removed

There were **2** new contributors for this release!

There was **1** issue opened and was **1** issue closed

There were **0** dependencies added and **1** dependency removed

Top Contributors



Peter Dimov

98 commits



Rene Rivera

8 commits



Mohammad Nejati

1 commit



Christian Mazakas

1 commit

Boost.Asio

Portable networking and other low-level I/O, including sockets, timers, hostname resolution, socket iostreams, serial ports, file descriptors and Windows HANDLES.

There were **24** commits in release 1.88.0

3,394 lines added, **2,080** lines removed

There were **9** issues opened and were **3** issues closed

Top Contributors



Christopher Kohlhoff

24 commits



Boost.Assert

Customizable assert macros.

There were **7** commits in release 1.88.0

101 lines added, **53** lines removed

There was **1** new contributor for this release!

There were **2** issues opened and was **1** issue closed

Top Contributors



Peter Dimov

6 commits



T.Yamada

1 commit

Boost.Assign

Filling containers with constant or generated data has never been easier.

There were **19** commits in release 1.88.0

288 lines added, **148** lines removed

There was **1** new contributor for this release!

There were **0** issues opened and were **3** issues closed

Top Contributors



James E. King III

9 commits



Rene Rivera

8 commits



Alexander Grund

1 commit



Jim King

1 commit



Boost.Atomic

C++11-style atomic types.

There were **2** commits in release 1.88.0

60 lines added, **30** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Andrey Semashev

2 commits

Boost.Beast

Portable HTTP, WebSocket, and network operations using only C++11 and Boost.Asio

There were **28** commits in release 1.88.0

3,744 lines added, **3,650** lines removed

There were **2** new contributors for this release!

There were **27** issues opened and were **24** issues closed

Top Contributors



Mohammad Nejati
25 commits



Alexander Grund
1 commit



Edward Nolan
1 commit



Morten Minde Neergaard
1 commit

Boost.Bimap

Bidirectional maps library for C++. With Boost.Bimap you can create associative containers in which both types can be used as key.

There was **1** commit in release 1.88.0

0 lines added, **2** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

1 commit



Boost.Bind

`boost::bind` is a generalization of the standard functions `std::bind1st` and `std::bind2nd`. It supports arbitrary function objects, functions, function pointers, and member function pointers, and is able to bind any argument to a specific value or route input arguments into arbitrary positions.

There were **6** commits in release 1.88.0

75 lines added, **39** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

6 commits

Boost.CharConv

An implementation of <charconv> in C++11.

There were **41** commits in release 1.88.0

196 lines added, **107** lines removed

There was **1** new contributor for this release!

There were **7** issues opened and were **4** issues closed

Top Contributors



Matt Borland

19 commits



Alexander Grund

14 commits



Anarthal (Rubén Pérez)

8 commits

Boost.Chrono

Useful time utilities. C++11.

There were **2** commits in release 1.88.0

32 lines added, **15** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

2 commits



Boost.Cobalt

Coroutines. Basic Algorithms & Types

There were **13** commits in release 1.88.0

298 lines added, **383** lines removed

There was **1** new contributor for this release!

There were **2** issues opened and were **5** issues closed

There were **0** dependencies added and **1** dependency removed

Top Contributors



Klemens Morgenstern

12 commits



Richard Thomson

1 commit

Boost.Compat

C++11 implementations of standard components added in later C++ standards.

There were **6** commits in release 1.88.0

54 lines added, **28** lines removed

There were **3** issues opened and were **2** issues closed

Top Contributors



Christian Mazakas

3 commits



Peter Dimov

3 commits

Boost.ConceptCheck

Tools for generic programming.

There were **12** commits in release 1.88.0

321 lines added, **143** lines removed

There was **1** new contributor for this release!

There were **0** issues opened and were **0** issues closed

Top Contributors



Rene Rivera

8 commits



James E. King III

2 commits



Antony Polukhin

1 commit



Alexander Grund

1 commit

Boost.Config

Helps Boost library developers adapt to compiler idiosyncrasies; not intended for library users.

There were **3** commits in release 1.88.0

2 lines added, **2** lines removed

There were **2** issues opened and were **0** issues closed

Top Contributors



Glen Fernandes

2 commits



Marshall Clow

1 commit

Boost.ContainerHash

An STL-compatible hash function object that can be extended to hash user defined types.

There were **4** commits in release 1.88.0

54 lines added, **25** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

4 commits



Boost.Context

(C++11) Context switching library.

There were **33** commits in release 1.88.0

267 lines added, **414** lines removed

There were **12** new contributors for this release!

There were **11** issues opened and were **6** issues closed

Top Contributors



Oliver Kowalke
13 commits



Martin Vejborg
3 commits



Peter Dimov
2 commits



Andrey Semashev
2 commits



Harish Subramanian
2 commits



Anarthal (Rubén Pérez)
1 commit



Dmitry
1 commit



Ivan A. Melnikov
1 commit



Nat Goodspeed
1 commit



CBBBrother
1 commit

Boost.Conversion

Polymorphic casts.

There were **2** commits in release 1.88.0

12 lines added, **12** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Antony Polukhin
2 commits

Boost.Core

A collection of simple core utilities with minimal dependencies.

There were **17** commits in release 1.88.0

226 lines added, **62** lines removed

There were **2** new contributors for this release!

There were **4** issues opened and was **1** issue closed

Top Contributors



Peter Dimov
11 commits



Glen Fernandes
4 commits



Alexander Grund
1 commit



Qijia Liu
1 commit

Boost.Crc

The Boost CRC Library provides two implementations of CRC (cyclic redundancy code) computation objects and two implementations of CRC computation functions. The implementations are template-based.

There were **3** commits in release 1.88.0

47 lines added, **23** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

3 commits

Boost.Describe

A C++14 reflection library.

There were **3** commits in release 1.88.0

38 lines added, **17** lines removed

There was **1** issue opened and were **0** issues closed

Top Contributors



Peter Dimov

3 commits

Boost.Dll

Library for comfortable work with DLL and DSO.

There were **30** commits in release 1.88.0

1,621 lines added, **1,330** lines removed

There was **1** new contributor for this release!

There was **1** issue opened and were **8** issues closed

There were **0** dependencies added and **4** dependencies removed

Top Contributors



Antony Polukhin

29 commits



Vinícius dos Santos Oliv...

1 commit



Boost.DynamicBitset

The `dynamic_bitset` class represents a set of bits. It provides accesses to the value of individual bits via an `operator[]` and provides all of the bitwise operators that one can apply to builtin integers, such as `operator&` and `operator<<`. The number of bits in the set is specified at runtime via a parameter to the constructor of the `dynamic_bitset`.

There were **21** commits in release 1.88.0

342 lines added, **190** lines removed

There were **3** new contributors for this release!

There was **1** issue opened and were **0** issues closed

Top Contributors



Rene Rivera

9 commits



James E. King III

7 commits



Alexander Grund

2 commits



Anthony Eden

1 commit



Unix&Me

1 commit



twomice

1 commit

Boost.Endian

Types and conversion functions for correct byte ordering and more regardless of processor endianness.

There were **3** commits in release 1.88.0

49 lines added, **25** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

3 commits

Boost.Exception

The Boost Exception library supports transporting of arbitrary data in exception objects, and transporting of exceptions between threads.

There were **2** commits in release 1.88.0

72 lines added, **68** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Emil Dotchevski

1 commit



Andrey Semashev

1 commit



Boost.Fiber

(C++11) Userland threads library.

There were **3** commits in release 1.88.0

37 lines added, **3** lines removed

There was **1** new contributor for this release!

There were **2** issues opened and were **2** issues closed

Top Contributors



Oliver Kowalke

2 commits



Danil Sidoruk

1 commit

Boost.Filesystem

The Boost Filesystem Library provides portable facilities to query and manipulate paths, files, and directories.

There were **3** commits in release 1.88.0

53 lines added, **48** lines removed

There was **1** issue opened and was **1** issue closed

Top Contributors



Andrey Semashev

3 commits



Boost.Flyweight

Design pattern to manage large quantities of highly redundant objects.

There were **6** commits in release 1.88.0

18 lines added, **17** lines removed

There was **1** new contributor for this release!

There were **0** issues opened and were **0** issues closed

Top Contributors



Alexander Grund

4 commits



Joaquin M. López Muñoz

2 commits

Boost.Foreach

In C++, writing a loop that iterates over a sequence is tedious. We can either use iterators, which requires a considerable amount of boiler-plate, or we can use the `std::for_each()` algorithm and move our loop body into a predicate, which requires no less boiler-plate and forces us to move our logic far from where it will be used. In contrast, some other languages, like Perl, provide a dedicated "foreach" construct that automates this process. `BOOST_FOREACH` is just such a construct for C++. It iterates over sequences for us, freeing us from having to deal directly with iterators or write predicates.

There was **1** commit in release 1.88.0

1 line added, **0** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

1 commit

Boost.Format

The format library provides a type-safe mechanism for formatting arguments according to a printf-like format-string.

There were **3** commits in release 1.88.0

248 lines added, **170** lines removed

There were **0** issues opened and was **1** issue closed

Top Contributors



James E. King III

2 commits



Rene Rivera

1 commit

Boost.Function

Function object wrappers for deferred calls or callbacks.

There were **3** commits in release 1.88.0

40 lines added, **19** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

3 commits

Boost.Geometry

The Boost.Geometry library provides geometric algorithms, primitives and spatial index.

There were **64** commits in release 1.88.0

3,995 lines added, **2,808** lines removed

There was **1** new contributor for this release!

There were **12** issues opened and were **4** issues closed

Top Contributors



Barend Gehrels

25 commits



Vissarion Fisikopoulos

22 commits



Adam Wulkiewicz

15 commits



Tinko Sebastian Bartels

2 commits

Boost.Graph

The BGL graph interface and graph components are generic, in the same sense as the Standard Template Library (STL).

There were **63** commits in release 1.88.0

2,645 lines added, **1,716** lines removed

There were **11** new contributors for this release!

There were **3** issues opened and were **5** issues closed

There were **2** dependencies added and **0** dependencies removed

Top Contributors



Jeremy W. Murphy
25 commits



Joris van Rantwijk
19 commits



Anthony Van Herrewege
3 commits



Murray Cumming
3 commits



Daniel Yang
3 commits



hermann@stamm-wilbr...
2 commits



Peter Dimov
2 commits



Julien DELACROIX
1 commit



Georgy Guminov
1 commit



Tuukka Norri
1 commit

Boost.Heap

Priority queue data structures.

There were **10** commits in release 1.88.0

296 lines added, **462** lines removed

There were **2** new contributors for this release!

There were **2** issues opened and were **0** issues closed

There were **0** dependencies added and **2** dependencies removed

Top Contributors



Tim Blechmann

8 commits



Yuriy Chernyshov

1 commit



Phillip Keldenich

1 commit

Boost.Interval

Extends the usual arithmetic functions to mathematical intervals.

There were **10** commits in release 1.88.0

300 lines added, **145** lines removed

There was **1** issue opened and were **0** issues closed

Top Contributors



Rene Rivera

8 commits



James E. King III

2 commits

Boost.Iostreams

Boost.IOStreams provides a framework for defining streams, stream buffers and i/o filters.

There were **2** commits in release 1.88.0

29 lines added, **15** lines removed

There was **1** issue opened and were **0** issues closed

Top Contributors



Peter Dimov

2 commits



Boost.Iterator

The Boost Iterator Library contains two parts. The first is a system of concepts which extend the C++ standard iterator requirements. The second is a framework of components for building iterators based on these extended concepts and includes several useful iterator adaptors.

There were **50** commits in release 1.88.0

4,107 lines added, **4,447** lines removed

There was **1** new contributor for this release!

There was **1** issue opened and was **1** issue closed

There was **1** dependency added and **4** dependencies removed

Top Contributors



Andrey Semashev

49 commits



Georgy Guminov

1 commit

Boost.Json

JSON parsing, serialization, and DOM in C++11

There were **13** commits in release 1.88.0

1,395 lines added, **300** lines removed

There was **1** new contributor for this release!

There were **9** issues opened and were **9** issues closed

Top Contributors



Dmitry
12 commits



Roy Bellingan
1 commit



Boost.Lambda

Define small unnamed function objects at the actual call site, and more.

There were **3** commits in release 1.88.0

51 lines added, **25** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

3 commits

Boost.Lambda2

A C++14 lambda library.

There were **4** commits in release 1.88.0

33 lines added, **16** lines removed

There was **1** issue opened and were **0** issues closed

Top Contributors



Peter Dimov

4 commits



Boost.Leaf

A lightweight error handling library for C++11.

There were **6** commits in release 1.88.0

63 lines added, **53** lines removed

There was **1** new contributor for this release!

There was **1** issue opened and was **1** issue closed

Top Contributors



Emil Dotchevski

4 commits



Amber Ehrlich

2 commits



Boost.LexicalCast

General literal text conversions, such as an int represented a string, or vice-versa.

There was **1** commit in release 1.88.0

47 lines added, **47** lines removed

There were **2** issues opened and was **1** issue closed

Top Contributors



Antony Polukhin

1 commit

Boost.Locale

Provide localization and Unicode handling tools for C++.

There were **76** commits in release 1.88.0

2,052 lines added, **1,249** lines removed

There was **1** new contributor for this release!

There were **3** issues opened and were **7** issues closed

There was **1** dependency added and **1** dependency removed

Top Contributors



Alexander Grund

66 commits



Rene Rivera

9 commits



BrianWeed

1 commit

Boost.Lockfree

Lockfree data structures.

There were **9** commits in release 1.88.0

723 lines added, **187** lines removed

There were **4** issues opened and were **2** issues closed

Top Contributors



Tim Blechmann

9 commits



Boost.Log

Logging library.

There were **9** commits in release 1.88.0

196 lines added, **50** lines removed

There were **4** issues opened and were **3** issues closed

Top Contributors



Andrey Semashev

9 commits

Boost.Math

Boost.Math includes several contributions in the domain of mathematics: Floating Point Utilities, Specific Width Floating Point Types, Mathematical Constants, Statistical Distributions, Special Functions, Root Finding and Function Minimization, Polynomials and Rational Functions, Interpolation, and Numerical Integration and Differentiation. Many of these features are templated to support both built-in, and extended width types (e.g. Boost.Multiprecision)

There were **38** commits in release 1.88.0

107 lines added, **87** lines removed

There was **1** new contributor for this release!

There were **10** issues opened and were **4** issues closed

Top Contributors



Matt Borland

14 commits



Christopher Kormanyos

13 commits



warren

6 commits



Pavel P

2 commits



Alexander Grund

1 commit



Alejandro Baranek

1 commit



Youssef LAKHAL

1 commit

Boost.Move

Portable move semantics for C++03 and C++11 compilers.

There were **6** commits in release 1.88.0

18 lines added, **5** lines removed

There was **1** new contributor for this release!

There was **1** issue opened and was **1** issue closed

Top Contributors



Ion Gaztañaga

5 commits



Stephan Bergmann

1 commit



Boost.Mp11

A C++11 metaprogramming library.

There were **19** commits in release 1.88.0

148 lines added, **73** lines removed

There were **2** issues opened and was **1** issue closed

Top Contributors



Peter Dimov

15 commits



Joaquin M. López Muñoz

4 commits

Boost.Mpi

Message Passing Interface library, for use in distributed-memory parallel application programming.

There were **5** commits in release 1.88.0

140 lines added, **135** lines removed

There was **1** new contributor for this release!

There was **1** issue opened and were **2** issues closed

Top Contributors



Alain Miniussi

4 commits



Samuel Debione

1 commit



Boost.Mpl

The Boost.MPL library is a general-purpose, high-level C++ template metaprogramming framework of compile-time algorithms, sequences and metafunctions. It provides a conceptual foundation and an extensive set of powerful and coherent tools that make doing explicit metaprogramming in C++ as easy and enjoyable as possible within the current language.

There were **9** commits in release 1.88.0

458 lines added, **606** lines removed

There were **3** new contributors for this release!

There were **2** issues opened and were **3** issues closed

Top Contributors



Peter Dimov

4 commits



Jim King

2 commits



Rene Rivera

1 commit



aihao1007

1 commit



Ivan Komissarov

1 commit

Boost.MultiIndex

The Boost Multi-index Containers Library provides a class template named `multi_index_container` which enables the construction of containers maintaining one or more indices with different sorting and access semantics.

There were **3** commits in release 1.88.0

22 lines added, **21** lines removed

There was **1** new contributor for this release!

There were **3** issues opened and were **2** issues closed

Top Contributors



Joaquin M. López Muñoz

2 commits



Alexander Grund

1 commit

Boost.Multiprecision

Extended precision arithmetic types for floating point, integer, and rational arithmetic.

There were **19** commits in release 1.88.0

131 lines added, **18** lines removed

There were **4** new contributors for this release!

There were **5** issues opened and were **0** issues closed

Top Contributors



John Maddock
9 commits



Matt Borland
5 commits



Thomas Barbier
1 commit



Romain Geissler
1 commit



Alexander Grund
1 commit



Konstantin Khlebnikov
1 commit



stanislav.mikov
1 commit

Boost.MySQL

MySQL client library built on top of Boost.Asio.

There were **28** commits in release 1.88.0

8,461 lines added, **3,964** lines removed

There was **1** new contributor for this release!

There were **47** issues opened and were **28** issues closed

Top Contributors



Anarthal (Rubén Pérez)

26 commits



Dirk Stolle

2 commits

Boost.Nowide

Standard library functions with UTF-8 API on Windows.

There were **34** commits in release 1.88.0

257 lines added, **132** lines removed

There was **1** new contributor for this release!

There were **0** issues opened and was **1** issue closed

Top Contributors



Alexander Grund

31 commits



Dirk Stolle

3 commits

Boost.Outcome

A deterministic failure handling library partially simulating lightweight exceptions.

There were **13** commits in release 1.88.0

155 lines added, **73** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Niall Douglas

12 commits



Jenkins nedprod CI

1 commit



Boost.Parser

A parser combinator library.

There were **14** commits in release 1.88.0

5,400 lines added, **1,735** lines removed

There were **2** new contributors for this release!

There were **6** issues opened and were **9** issues closed

Top Contributors



Zach Laine

13 commits



necessarily-equal

1 commit

Boost.Pfr

Basic reflection for user defined types.

There was **1** commit in release 1.88.0

97 lines added, **97** lines removed

There was **1** issue opened and were **0** issues closed

Top Contributors



Antony Polukhin

1 commit

Boost.PointerContainer

Containers for storing heap-allocated polymorphic objects to ease OO-programming.

There were **10** commits in release 1.88.0

652 lines added, **158** lines removed

There was **1** issue opened and were **0** issues closed

Top Contributors



Rene Rivera

7 commits



James E. King III

2 commits



Alexander Grund

1 commit

Boost.PolyCollection

Fast containers of polymorphic objects.

There were **7** commits in release 1.88.0

4,477 lines added, **754** lines removed

There was **1** new contributor for this release!

There were **0** issues opened and were **0** issues closed

Top Contributors



Joaquin M. López Muñoz

6 commits



Alexander Grund

1 commit

Boost.Pool

Memory pool management.

There were **18** commits in release 1.88.0

370 lines added, **212** lines removed

There were **2** new contributors for this release!

There were **2** issues opened and were **0** issues closed

Top Contributors



Rene Rivera

9 commits



Vadim Zavalishin

3 commits



James E. King III

2 commits



John Maddock

2 commits



Alexander Grund

1 commit



cvspvr

1 commit



Boost.Predef

This library defines a set of compiler, architecture, operating system, library, and other version numbers from the information it can gather of C, C++, Objective C, and Objective C++ predefined macros or those defined in generally available headers.

There was **1** commit in release 1.88.0

85 lines added, **48** lines removed

There was **1** issue opened and was **1** issue closed

Top Contributors



Rene Rivera

1 commit

Boost.Preprocessor

Preprocessor metaprogramming tools including repetition and recursion.

There were **5** commits in release 1.88.0

240 lines added, **214** lines removed

There was **1** new contributor for this release!

There was **1** issue opened and was **1** issue closed

Top Contributors



Peter Dimov

4 commits



Marco Ribeiro

1 commit

Boost.Process

Library to create processes in a portable way.

There were **35** commits in release 1.88.0

3,381 lines added, **2,741** lines removed

There were **8** new contributors for this release!

There were **19** issues opened and were **17** issues closed

Top Contributors



Klemens Morgenstern
20 commits



Jonas Greitemann
4 commits



SimonMaracine
2 commits



Dirk Stolle
2 commits



js-nano
1 commit



Jens Diewald
1 commit



Alexander Grund
1 commit



Ryan Zoeller
1 commit



Klemens
1 commit



tomy2105
1 commit

Boost.PropertyMap

Concepts defining interfaces which map key objects to value objects.

There were **12** commits in release 1.88.0

322 lines added, **141** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Rene Rivera

7 commits



James E. King III

4 commits



Alexander Grund

1 commit

Boost.Python

The Boost Python Library is a framework for interfacing Python and C++. It allows you to quickly and seamlessly expose C++ classes functions and objects to Python, and vice-versa, using no special tools -- just your C++ compiler.

There were **7** commits in release 1.88.0

38 lines added, **5** lines removed

There were **2** new contributors for this release!

There were **7** issues opened and were **2** issues closed

Top Contributors



Stefan Seefeld

2 commits



Peter Dimov

2 commits



Aditya Pillai

2 commits



sdarwin

1 commit

Boost.Qvm

Generic C++ library for working with Quaternions Vectors and Matrices.

There were **3** commits in release 1.88.0

81 lines added, **81** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Emil Dotchevski

2 commits



Jan Niklas Hasse

1 commit



Boost.Random

A complete system for random number generation.

There were **83** commits in release 1.88.0

4,496 lines added, **136** lines removed

There was **1** new contributor for this release!

There were **3** issues opened and were **2** issues closed

There were **0** dependencies added and **2** dependencies removed

Top Contributors



Matt Borland

69 commits



Young Geun Kim

9 commits



Alexander Grund

5 commits

Boost.Range

A new infrastructure for generic algorithms that builds on top of the new iterator concepts.

There were **8** commits in release 1.88.0

34 lines added, **20** lines removed

There was **1** new contributor for this release!

There were **0** issues opened and were **0** issues closed

Top Contributors



Neil Groves

5 commits



Andrey Semashev

2 commits



Georgiy Guminov

1 commit

Boost.Ratio

Compile time rational arithmetic. C++11.

There were **2** commits in release 1.88.0

32 lines added, **15** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

2 commits

Boost.Rational

A rational number class.

There were **12** commits in release 1.88.0

657 lines added, **443** lines removed

There was **1** new contributor for this release!

There were **0** issues opened and were **0** issues closed

Top Contributors



Rene Rivera

8 commits



James E. King III

3 commits



Alexander Grund

1 commit

Boost.Redis

Redis async client library built on top of Boost.Asio.

There were **32** commits in release 1.88.0

1,749 lines added, **1,788** lines removed

There was **1** new contributor for this release!

There were **9** issues opened and were **6** issues closed

Top Contributors



Anarthal (Rubén Pérez)

17 commits



Marcelo Zimbres

13 commits



Dirk Stolle

2 commits



Boost.Scope

A collection of scope guards and a `unique_resource` wrapper.

There was **1** commit in release 1.88.0

55 lines added, **38** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Andrey Semashev

1 commit

Boost.Signals2

Managed signals & slots callback implementation (thread-safe version 2).

There were **6** commits in release 1.88.0

17 lines added, **16** lines removed

There was **1** new contributor for this release!

There were **0** issues opened and were **0** issues closed

Top Contributors



Alexander Grund

5 commits



Frank Mori Hess

1 commit

Boost.SmartPtr

Smart pointer class templates.

There were **8** commits in release 1.88.0

200 lines added, **28** lines removed

There were **2** issues opened and was **1** issue closed

Top Contributors



Peter Dimov

8 commits



Boost.Sort

High-performance templated sort functions.

There were **24** commits in release 1.88.0

1,678 lines added, **1,795** lines removed

There were **2** issues opened and were **0** issues closed

Top Contributors



Rene Rivera

18 commits



spreadsort

2 commits



Francisco Tapia

2 commits



Nigel Stewart

2 commits

Boost.Spirit

LL parser framework represents parsers directly as EBNF grammars in inlined C++.

There were **25** commits in release 1.88.0

1,851 lines added, **330** lines removed

There were **2** new contributors for this release!

There was **1** issue opened and was **1** issue closed

Top Contributors



Rene Rivera
13 commits



Joel de Guzman
7 commits



Nana Sakisaka
3 commits



Georg Gast
1 commit



Peter Dimov
1 commit

Boost.Stacktrace

Gather, store, copy and print backtraces.

There were **13** commits in release 1.88.0

422 lines added, **80** lines removed

There were **3** new contributors for this release!

There was **1** issue opened and were **3** issues closed

Top Contributors



Antony Polukhin
10 commits



Daniel Krügler
1 commit



Uilian Ries
1 commit



Maciej Czarnecki
1 commit



Boost.StlInterfaces

C++14 and later CRTP templates for defining iterators, views, and containers.

There were **5** commits in release 1.88.0

9 lines added, **9** lines removed

There were **2** new contributors for this release!

There was **1** issue opened and was **1** issue closed

Top Contributors



Zach Laine

2 commits



Dirk Stolle

2 commits



Laurent Rineau

1 commit

Boost.System

Extensible error reporting.

There were **4** commits in release 1.88.0

59 lines added, **50** lines removed

There were **0** issues opened and was **1** issue closed

Top Contributors



Peter Dimov

4 commits

Boost.Test

Support for simple program testing, full unit testing, and for program execution monitoring.

There were **15** commits in release 1.88.0

284 lines added, **16** lines removed

There were **3** new contributors for this release!

There were **3** issues opened and was **1** issue closed

Top Contributors



Matt Borland

8 commits



Alexander Grund

4 commits



ibis-hdl

1 commit



Sergey Fedorov

1 commit



Daniel Hannon

1 commit

Boost.Thread

Portable C++ multi-threading. C++11, C++14, C++17.

There were **5** commits in release 1.88.0

36 lines added, **17** lines removed

There was **1** new contributor for this release!

There were **0** issues opened and was **1** issue closed

Top Contributors



Peter Dimov

4 commits



Arvid Norlander

1 commit

Boost.ThrowException

A common infrastructure for throwing exceptions from Boost libraries.

There were **4** commits in release 1.88.0

69 lines added, **37** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

4 commits



Boost.Timer

Event timer, progress timer, and progress display classes.

There were **3** commits in release 1.88.0

29 lines added, **15** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

3 commits

Boost.Tokenizer

Break of a string or other character sequence into a series of tokens.

There were **11** commits in release 1.88.0

308 lines added, **159** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Rene Rivera

8 commits



James E. King III

2 commits



Alexander Grund

1 commit

Boost.Tribool

3-state boolean type library.

There were **12** commits in release 1.88.0

307 lines added, **145** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Rene Rivera

8 commits



James E. King III

3 commits



Alexander Grund

1 commit

Boost.Tuple

Ease definition of functions returning multiple values, and more.

There were **6** commits in release 1.88.0

15 lines added, **20** lines removed

There was **1** new contributor for this release!

There were **0** issues opened and were **0** issues closed

Top Contributors



Alexander Grund

5 commits



Joel de Guzman

1 commit

Boost.TypeIndex

Runtime/Compile time copyable type info.

There were **2** commits in release 1.88.0

38 lines added, **37** lines removed

There was **1** issue opened and was **1** issue closed

Top Contributors



Antony Polukhin

2 commits

Boost.Typeof

Typeof operator emulation.

There were **2** commits in release 1.88.0

60 lines added, **23** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Peter Dimov

2 commits



Boost.Unordered

Unordered associative containers.

There were **28** commits in release 1.88.0

3,594 lines added, **1,665** lines removed

There were **7** issues opened and were **2** issues closed

Top Contributors



Christian Mazakas

16 commits



Joaquin M. López Muñoz

10 commits



braden

1 commit



Peter Dimov

1 commit

Boost.Url

URL parsing in C++11

There were **21** commits in release 1.88.0

8,417 lines added, **3,084** lines removed

There was **1** new contributor for this release!

There were **6** issues opened and were **3** issues closed

Top Contributors



Alan de Freitas

17 commits



sdarwin

3 commits



Alexander Grund

1 commit

Boost.Uuid

A universally unique identifier.

There were **3** commits in release 1.88.0

64 lines added, **29** lines removed

There were **2** issues opened and was **1** issue closed

Top Contributors



Peter Dimov

3 commits



Boost.Variant

Safe, generic, stack-based discriminated union container.

There were **2** commits in release 1.88.0

47 lines added, **46** lines removed

There were **0** issues opened and were **0** issues closed

Top Contributors



Antony Polukhin

2 commits

Boost.Variant2

A never-valueless, strong guarantee implementation of `std::variant`.

There were **23** commits in release 1.88.0

383 lines added, **50** lines removed

There were **2** issues opened and was **1** issue closed

Top Contributors



Peter Dimov

22 commits



Andrey Semashev

1 commit



Boost.Yap

An expression template library for C++14 and later.

There were **10** commits in release 1.88.0

30 lines added, **3** lines removed

There was **1** new contributor for this release!

There was **1** issue opened and was **1** issue closed

Top Contributors



Rene Rivera

9 commits



Zach Laine

1 commit

