

Package ‘AsioHeaders’

January 20, 2025

Type Package

Title 'Asio' C++ Header Files

Version 1.22.1-2

Date 2022-12-07

Author Dirk Eddelbuettel

Maintainer Dirk Eddelbuettel <edd@debian.org>

Description 'Asio' is a cross-platform C++ library for network and low-level I/O programming that provides developers with a consistent asynchronous model using a modern C++ approach. It is also included in Boost but requires linking when used with Boost. Standalone it can be used header-only (provided a recent compiler). 'Asio' is written and maintained by Christopher M. Kohlhoff, and released under the 'Boost Software License', Version 1.0.

Copyright file inst/COPYRIGHTS

License BSL-1.0

URL <https://github.com/eddelbuettel/asioheaders>,
<https://dirk.eddelbuettel.com/code/asioheaders.html>

BugReports <https://github.com/eddelbuettel/asioheaders/issues>

NeedsCompilation no

Repository CRAN

Date/Publication 2022-12-08 08:12:34 UTC

Contents

AsioHeaders-package	2
Index	3

AsioHeaders-package *The Asio C++ Library for Network and Low-Level I/O Programming*

Description

Asio is a cross-platform C++ library for network and low-level I/O programming that provides developers with a consistent asynchronous model using a modern C++ approach.

Details

Asio is a cross-platform C++ library for network and low-level I/O programming that provides developers with a consistent asynchronous model using a modern C++ approach.

Asio is also included in Boost but requires linking when used with Boost. Standalone it can be used header-only provided a recent-enough compiler.

Bug reports can also be registered at the GitHub issue tracker at <https://github.com/eddelbuettel/asioheaders/issues>.

Author(s)

Dirk Eddelbuettel

Maintainer: Dirk Eddelbuettel <edd@debian.org>

References

<https://think-async.com/Asio/>

See Also

The <https://github.com/eddelbuettel/rcppasioexample> package provides a simple illustration and example of using this package. It can be used to both assert compiler and setup are working correctly, and form a basis to extend work from. Generally speaking, only a 'LinkingTo: AsioHeaders' should be needed, plus on Windows only a very simple link instruction in src/Makevars.win adding `PKG_LIBS = -lws2_32 -lws2_32`.

Examples

None

Index

* **package**

AsioHeaders-package, [2](#)

AsioHeaders (AsioHeaders-package), [2](#)

AsioHeaders-package, [2](#)