

boost::asio Use of deprecated hardcoded Protocol

Name: boost::asio Use of deprecated hardcoded Protocol

Description: Using a deprecated hard-coded protocol using the boost::asio library.

ID: cpp/boost/use-of-deprecated-hardcoded-security-protocol

Kind: problem

Severity: error

Using boost::asio library but specifying a deprecated hardcoded protocol.

Recommendation

Only use modern protocols such as TLS 1.2 or TLS 1.3.

Example

In the following example, the `sslv2` protocol is specified. This protocol is out of date and its use is not recommended.

```
1 void useProtocol_bad()
2 {
3     boost::asio::ssl::context ctx_sslv2(boost::asio::ssl::context::sslv2); // BAD: outdated
protocol
4
5     // ...
6 }
```

In the corrected example, the `tlsv13` protocol is used instead.

```
1 void useProtocol_good()
2 {
3     boost::asio::ssl::context cxt_tlsv13(boost::asio::ssl::context::tlsv13);
4
5     // ...
6 }
```

References

- [Boost.Asio documentation.](#)