SEI CERT Coding Standards

Welcome

This site supports the development of coding standards for commonly used programming languages such as C, C++, Java, and Perl, and the Android™ platform. These standards are developed through a broad-based community effort by members of the software development and software security communities.

For more information about this project and to see tips on how to contribute, please see the Development Guidelines.

Downloads

- The SEI CERT C Coding Standard, 2016 Edition (errata)
- The SEI CERT C++ Coding Standard, 2016 Edition (errata)

Standards Development Area

The following development areas enable you to learn about and contribute to secure coding standards for commonly used programming languages C, C++, Java, and Perl. Contact us to comment on existing items, submit recommendations, or request privileges to directly edit content on this site.

- SEI CERT C Coding Standard
- SEI CERT C++ Coding Standard
- Android™ Secure Coding Standard
- SEI CERT Oracle Coding Standard for Java

News

- We are hiring! View our Open Positions in the SEI CERT Secure Coding Team.

- September 2018: The CERT manifest files are now available for use by static analysis tool developers to test their coverage of (some of the) CERT Secure Coding Rules for C, using many of 61,387 test cases in the Juliet test suite v1.2.


- August 2018: SCALe has been released open-source as a new project on GitHub. This is the first time that SCALe has been released to the public. This initial release is SCALe 2.1.4.0.

- April 2018: Lori Flynn authored a blog post on Static Analysis Alert Test Suites as a Source of Training Data for Alert Classifiers.

- February 2018: David Svoboda talks about SCALe in an SEI Cyber Minute.

Secure Coding Newsletter

The Secure Coding eNewsletter provides timely information about CERT secure coding standards.

- The Summer 2018 Edition of the Secure Coding newsletter was published on 4 September 2018.
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