README

June 3, 2024

1 Cpp Core Guidelines & Guidelines Support Library

2015 : Stroustrup and Sutter formalized a draft coding guidelines, established on an "informal" basis with a few experts. This tends to be now the reference for good practices.

1.0.1 Goals

- Facilitate the adoption of modern C ++.
- Reference and reinforce good practices.
- Favor automatically verifiable rules, and thus promote the emergence of verification tools.

The rules specify a header library called **Guideline Support Library (GSL)** * Microsoft implementation requires C++14. * The one implemented by Martin Moene, GSL-lite, is operational starting C++98. * Some of the GSL proposals have been incorporated into C++11/14/17/20.

A common point to many proposals is an increase of abstraction level. Instead of just exposing the implementation and the language mechanisms used, they strive to **better express the developer's intention**.

1.0.2 To be continued

- Pointers
- Arrays
- Utilities

© CNRS 2021

This document was created by David Chamont and translated by Olga Abramkina. It is available under the License Creative Commons - Attribution - No commercial use - Shared under the conditions 4.0 International