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Home

Welcome to the sonar-frama-c-plugin wiki!

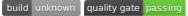




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Documentation

User manual

manual.pdf

The User Manuel is generated from this wiki by Wikito Converter GitHub

Plugin Overwiev

presentation.pdf

Architecture

Overview of Sonar Plug-in Frama-C architecture Packages

fr.cnes.sonarqube.plugins.framac

Defined all plug-in elements. These elements extends Sonar and add to it:

- · languages: Specific Plug-in language
- · measures: Metrics and computed measures definitions
- · report: Parse a Frama-C output report
- · rules: Frama-C rules definition
- sensor: Sensor executed by sonar-scanner into Frama-C projects
- · settings: Plug-in preferences

fr.cnes.sonarqube.plugins.framac.languages

Define a new specific language used to:

- · Aggregate Frama-C Metrics and Rules
- · Allow Sonar administrator to edit the plug-in preferences Define a default Quality Profile.

fr.cnes.sonarqube.plugins.framac.measures

Define Metrics and computed measures.

fr.cnes.sonarqube.plugins.framac.report

Frama-C output report parser and Frama-C sensor interfaces.

fr.cnes.sonarqube.plugins.framac.rules

Define all Frama-C rules.

fr.cnes.sonarqube.plugins.framac.sensor

Define how to read Frama-C output report and produce measures and issues.

fr.cnes.sonarqube.plugins.framac.settings

Define plugin preferences.

Contribute

Checkout and build

Requirements

Required:

- JDK 8 insatlled
- Eclipse installed
- Frama-C installed

Install development environment

Import Sonar plugin Github project into Eclipse:

- 1. Import Project From Github
- 2. Then import general project
- 3. Convert this project into Maven project if not...
- 4. Ensure your Eclipse use the right JDK (Perefences/Java/Installed JREs)

Make your plugin and deploy into sonar:

1. On project, right click: "Run As/Maven install"

Warning: If command Maven install failed with the message error: "No compiler is provided in this environment. Perhaps you are running on a JRE rather than a JDK?", follow this steps:

- On your Eclipse IDE, go into Window > Preferences > Java > Installed JREs > and check your installed JREs. You should have an entry with a JDK there.
- Select the Execution Env as show below. Click OK