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# Home

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

build unknown quality gate passing

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# Documentation

# Documentation

# User manual

[manual.pdf](#)

The User Manuel is generated from this wiki by [Wikito Converter](#) [GitHub](#)

# Plugin Overviev

[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

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Required:

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

# Install development environment

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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 (Pereferences/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