

- Overview
- Installation
- User Guide
- Support
- Resources
- Developer Information**

- Architecture
- EclEmma 2.0
- Release Checklist

- Research
- JaCoCo
- Change Log
- License
- Contact

 [GitHub Home](#)



Developer Information

This section provides information for EclEmma contributors and ISVs using the EclEmma API. The project is hosted on the  [GitHub](#) platform, its organization page is  <https://github.com/jacoco>. The  [JaCoCo and EclEmma Users Group](#) is the place to discuss ideas, ask questions and get in touch with the developers.

Trunk Builds

The latest trunk build is always available at the update site URL <http://download.eclipselab.org/eclemma/trunk/update> (not browseable).

EclEmma API

The `com.mountainminds.eclemma.core` plug-in exposes a public API that is used by the UI plug-in. The same API may be used by third parties e.g. for alternative user interfaces, other use cases or functional extensions.

Hacking EclEmma

Interested to working with the EclEmma code base for new features and improvements? No problem, with basic PDE skills you should get started within a few minutes. Here is a quick start guide:

1. Setup an Eclipse IDE for EclEmma

- Have Eclipse installed including the *Plug-in Development Environment*. The PDE is for example included in the *Eclipse Classic*  [download](#) or can be added to your existing Eclipse installation via the *Update Manager*.
- Add  [Git](#) support to your Eclipse by installing the latest version of  [EGit](#).
- To ensure that your code complies with the [minimal requirements](#) you should have installed  [Java 1.5 JRE](#) and  [Eclipse 3.5](#). Configure these JDK and Eclipse versions as your development target in the Eclipse preferences.
- The EclEmma plug-ins depend on JaCoCo and ASM bundles. For these dependencies you can simply install the latest EclEmma trunk build into your target platform from this update site:
<http://download.eclipselab.org/eclemma/trunk/update>
- Clone from the repository URL <https://github.com/jacoco/eclemma.git> and import the Eclipse projects contained in the repository.
- The web site www.eclemma.org is also maintained a  [Git repository](#). A  [Python](#) interpreter is required to run the generator script `generator/eclemmasite.py`.

2. Get familiar with the code base

The high-level design principles and some implementation strategies are introduced in the [architecture description](#). Implementation details can be studied in the JavaDoc included with the EclEmma source base. A good understanding of Eclipse'  [launch and debug framework](#) will help to get behind the *Coverage* mode implementation.

3. Contribute back!

So you finally created a cool new feature or fixed some bug? Great, contribute it back to the official EclEmma releases! Open a  [feature request](#) or create a  [pull request](#) with your implementation.

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