Code Coverage Revised

EclEmma on JaCoCo

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Untested Code is the Dark Matter of Software

Apparently because it makes up 90% of the software universe

Robert C. Martin
Correctness

Test

Completeness

App
EclEmma 2.0

JaCoCo

Java 1.7
Metrics

Types

Methods

Lines

Instructions

Branches

Complexity
Plug-in Testing

No more Workspace Rebuilds!
Intermediate Dumps

Incremental Code Coverage
Java Code Coverage
Requirements

A Library
Framework
Agnostic
Freaking Fast

Tested
Scalable
Integrations

Ant
Maven
Eclipse
Sonar
Aquillian
GUIDancer
SBT
IDEA
Looking for Student

JaCoCo Integration for Hudson/Jenkins as GSoC Project

https://community.jboss.org/wiki/GSoC12Ideas
Java Byte Code Instrumentation

ALOAD probearray
ICONST probeid
ICONST_1
BASTORE
Java Agent

$ java -javaagent:jacocoagent.jar KillerApp
Fight Dark Matter in Your Software!

www.eclemma.org
Give Feedback on the Sessions

1. Try connecting to WIFI

2. Try opening www.eclipsecon.org

3. If it fails, try again. Try harder. Please!

Thank You