

# Revamping the `CallMonitor` listener

## Draft proposal

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### Goal

The listener `CallMonitor` of JPF prints for each method that is called

- the ID of the thread that executed the call,
- the depth of the stack,
- the name of the class,
- the name of the method, and
- its arguments.

### Milestones

The class lacks documentation and some of the variable names are cryptic. The class also does not use JPF's reporting system. In this project, I plan to

1. document and clean up the code,
2. modify the class so that it makes use of JPF's reporting system,
3. develop JPF tests, and
4. describe how to use the listener.

Milestone 2 will be attempted if time allows it.

### Deliverables

At the end of this project, I plan to submit

1. the documented and cleaned up `CallMonitor` class,
2. JPF tests for the `CallMonitor` class, and
3. a report that summarizes the changes made to the code and that describes how to use the listener.