Trace Compass Incubator

Progress Report Meeting,
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Why an incubator

Prototype → Gerrit → Trace Compass master

The cake is not a lie!!

Users
Why an incubator

Prototype → Incubator → Trace Compass master

Users ↔ Incubator

Users
Rules of the incubator

• Proposed features **must work** and **integrate well** with Trace Compass.

• **Unit tests** are highly suggested, if not mandatory in the medium term, and **must pass** for every commit.

• **Code style** should be **in line** with the rest of the project.

• **Software architecture and performance** are **not** criteria to accept or refuse a contribution.

• Only **one +2 from a maintainer** of a feature is required for commits.

• **People contributing** a new feature under development can be **nominated as committer** on the project.

• **Not a code dump.** Every feature should be actively maintained, by the original submitter or someone else. Code **IP clean.**

• Everything must **work with** current **master.**
What’s in the incubator

- Almost ready to commit:
  - Virtual machine analyses  (Cédric Biancheri, Mohamad Gebai(!))
  - Application profiling (generic callstacks, for instrumented or sampled applications, dependency analysis)  (Geneviève Bastien)
  - Perf sampling  (Geneviève Bastien)
What’s in the incubator

- In the queue:
  - Google trace-event format (Matthew Khouzam)
  - Uftrace trace format (Matthew Khouzam)
  - Trace Compass Tracing (using JUL, analyses using application profiling) (Matthew Khouzam and Geneviève Bastien)
  - Extended Application Feature (XaF) (Raphaël Beamonte)
  - Web application profiling (Naser Ezzati)

- Suggestions:
  - Experimentations on new UX
  - Analyses and views, eg. JavaFX views ;(-)
Demo

DEMO
Resources

- Trace Compass Incubator web page: https://projects.eclipse.org/projects/tools.tracecompass.incubator
  - Mailing list: https://dev.eclipse.org/mailman/listinfo/tracecompass.incubator-dev

- Sources:
  - As of today, still awaiting IP review for initial commit, but http://git.eclipse.org/c/tracecompass.incubator/org.eclipse.tracecompass.incubator.git

- Traces used in this demo:
Screenshots: VM analysis
Screenshots: Perf trace stack trace