GraalVM Advisory Board Meeting – January 2023

Date

January 31st, 2023

Participants

Aleksei Voitylov (BellSoft), Alina Yurenko (Oracle), Brian Clozel (Spring), Bruno Caballero (Microdoc), Johan Vos (Gluon), Max Rydahl Andersen (Red Hat), Paul Hohensee (Amazon), Sergio del Amo Caballero (Object Computing), Thomas Wuerthinger (Oracle)

Agenda

- Alina Yurenko, Thomas Wuerthinger: Project updates, release cadence change
  - Thomas: Should we consider enabling monitoring by default if the image size doesn't increase significantly?
- Aleksei Voitylov: ParallelGC update from BellSoft
  - https://github.com/oracle/graal/pull/5362
  - Thomas: We will take a look at the PR; seems like it can be ready to be integrated behind a flag.
- PR for native musl support in Graal? - will follow up
  - https://github.com/oracle/graal/pull/3141, we are reviewing it at the moment
- Max R. Andersen: Would like to get an update on native-image not being in Galahad? - impact on Security working group, Java 17/21 support, governance for GraalVM
    - Thomas: Galahad is now under the OpenJDK voting.
    - We add committer and reviewer roles and a governance document for GraalVM.
  - Supporting the latest JDK and preparing an upcoming release for Java 20.
    - There will be a release also for Java 17.
    - It would be helpful to have suggestions for features that absoutely have to be backported.
  - `native-image` will become a part of the base GraalVM JDK
- Johan Vos: status of polyglot (python support?)
  - We are actively working on GraalPy, in particular on compatibility.

    - We are also a main contributor to HPy, which will help execute Python native extensions.
    - We expect significant updates on GraalPy at the end of the year.
- Thomas: In other updates, we are have been actively working on improving throughput of Native Image to the point where it is better than JIT mode on some workloads. Expect results in upcoming releases.