

# Implementation Notes

Some notes on the implementation of the Agent.

## JDK 9+

- We may need to add to make the `jdk.jfr` module readable from the module of the instrumented class. We should probably get the module of the class loader class provided by the transformation method, and see if can read the `jdk.jfr` module, if not, fix the problem with `Instrumentation#redefineModule`

## JDK 11+

- We do no longer have `Unsafe#defineClass` to define the event classes on the fly. There is a workaround though, in `jdk.internal.misc.Unsafe#defineClass`. This solution, however, requires `--add-exports java.base/jdk.internal.misc=ALL-UNNAMED` but perhaps that is okay for now. See <https://bugs.openjdk.java.net/browse/JDK-8205386> for a possible replacement.