

Security.

Plugin/extension / Whatever that checks for all dependencies if A) SBOM is published publicly, B) Security information like OpenSSF Scorecard is published publicly and show warnings / throw errors if not applied (Hendrik)

Idea: CRA is coming. It should help collect information about the dependencies based on SBOM and OpenSSF score card for example. Possible solution: new report plugin

New Frontend for refactoring the current one) for Dependency-Track that does not need any login to search and find results for libs (Hendrik)

Maintenance

Migration of JUnit 4 based tests to JUnit 5/6 (JUnit 4 EOL) (Sandra)

Migrate all Apache Plugins to Maven 4 APIs and standards to move forward (Hendrik)

Finish (if not finish yet, there will be bug fixes for long time so need maintenance and migration) Surefire junit platform migration (Olivier)

Refactor all maven Core parts and dependencies to full JPMS modules (if not possible for a dependency, at least automodule is a must) (Hendrik)

A good way to define a Maven 4 module that contains multiple JPMS modules without the need to configure each JPMS module individually (Hendrik)

Based on discussion from Gerd about multi-subprojects vs multi java Module

Maybe already solved. Has to be checked

New Features / Modernisation

Set up logging/tracing policy (Gerd). Which events should be logged on which level (in the future)? The underlying logger allows for trace logging, though there is not yet a CLI switch. It can be activated anyway by system properties. On the other hand, we see plenty of logs on the INFO level which do not (yet) add much value. So on the one hand, I would like to make Maven (a little) less verbose, but allow for deep inspection on problems (trace level logging) on the other hand. Additionally, we might consider support metrics for measuring throughput of goal executions etc.

Maybe a relationship between both

some devvelocity like tool (build reporting time, test reporting, performance, cache usage....) (Olivier)

MCP support (Gerd)

Extend current INCP solution by Gerd make information more accessible

Extension for dependency definition in POM to add hash to a dependency that will be checked at buildtime to make bad dependency injection not possible (Hendrik)

Possibility to download and use Eclipse Temurin if no Java on PATH exists. (Hendrik) <- cant wrapper do that with the JDK feature? (not sure about the no java on path)

Already a PR exists

A best practice way for testFixtures (https://blog.cronn.de/en/testing/java/gradle/2023/04/20/gradle-testFixtures.html) in Maven 4. Solution for JPMS and classic classpath should be provided (Hendrik)

Maven Initializer V2 (Hendrik)

Lifecycle Replacement

Global Replacements for dependencies

Warning/ Errors on duplicate lifecycle phases

Documentation

one entry point for all apache plugin

Maven homepage should be a benefit for every project that is build by maven to host an easy documentation page of the project (Hendrik)

Make it easy (documentation?) to automatically host Maven site for a GitHub hosted project as GitHub page, same for Codeberg/ Forgejo (Hendrik)

Update Look and Feel of generated Maven Sites (Hendrik)

Maybe something that is independet from the current Homepage that is generated by Maven Site plugin

Modern landing page for Maven Homepage (Hendrik)

Mainly for examples

Support Versions in hosted Maven sites (Hendrik)

Provide rich (HTML, nice print/pdf support, including graphs, ...) reporting for important plugins like surefire, jaccoco, spotbugs, ... (Hendrik)

Report Output in general independent of the maven site plugin

Some future requests of first funding still open. We should do them in the 2nd round (Hendrik)

Gerd Aschmann 2nd 11, 2023 @ 9:50 AM Added as purple cards to the top