

Title: Unable to use Maven BOM in gradle 5 with annotationProcessor configuration

Post Body:

I am trying to use maven BOM with gradle 5.1.1 as mentioned below

```
ext {
    set('spring-boot-dependencies.version', '2.1.2.RELEASE')
}
apply plugin: 'java'
group 'com.acme'
version '1.0.0-SNAPSHOT'
```

When I run `./gradlew dependencies --configuration=annotationProcessor` & `./gradlew dependencies --configuration=compileOnly`, I get the following respectively

annotationProcessor - Annotation processors and their dependencies for source set 'main'. \--- org.projectlombok:lombok FAILED

compileOnly - Compile only dependencies for source set 'main'. +--- org.projectlombok:lombok FAILED

Strangely, IntelliJ resolves `compileOnly` dependencies properly, but not `annotationProcessor`

I am quite confused as to what is going on. Any help is appreciated

Accepted Answer:

In Gradle, a platform, like regular dependencies, is scoped to a given configuration (and the configurations extending it).

In your example, the BOM is only used in `implementation` and thus will only provide recommendations for that configuration and the ones extending it, like `compileClasspath` or `runtimeClasspath`.

In order to solve your issue, you will need to declare the BOM to all the configurations where you want to benefit from its recommended versions.

You can achieve this by repeating the declaration:

```
compileOnly platform('org.springframework.boot:spring-boot-dependencies:${project.'spring-boot-dependencies.version'}')
annotationProcessor platform('org.springframework.boot:spring-boot-dependencies:${project.'spring-boot-dependencies.version'}')
```

or you could create a dedicated configuration and make all the configurations requiring constraints extend it:

```
configurations {
    springBom
    compileOnly.extendsFrom(springBom)
    annotationProcessor.extendsFrom(springBom)
    implementation.extendsFrom(springBom)
}
```

Highest Rated Answer: None