

Dump Thread

Contact Support...

Show Log in Finder

Collect Troubleshooting Information

Compress Logs and Show in Finder

Change Memory Settings

Edit Custom Properties...

Edit Custom VM Options...

Debug Log Set

Data Sharing C

Debug Seca

**Open VM Options;
alternative:
bin/mps.vmoptions**

```
-Xverify:none  
-Dmps.internal=true  
-agentlib:jdwp=transport=dt_socket,server=y,suspend=n,address=5019
```

Add this line & SAVE; Close MPS

Search or jump to...

/

Pull requests Issues Marketplace Explore

JetBrains / MPS

Code

Pull requests 5

Actions

Projects

Security

Insights

master ▾

23 branches

149 tags

Go to file

Add file ▾

Code ▾

 mvvolkov1 Merge

Download MPS Sources (Optional)

 .idea

Merge branch '2021.1'

 .mps

Merge remote-tracking branch 'origin/main'

 IdeaPlugin

Drop ApplicationPluginHolder hac

 bin

Log4j configuration: proper separa

 build

Update.xml for MPS 2021.1 RC1

 Clone

HTTPS SSH GitHub CLI

<https://github.com/JetBrains/MPS.git> 

Use Git or checkout with SVN using the web URL.

 Open with GitHub Desktop

 Download ZIP

```
tree clean  
% git clone -b 2019.3 --single-branch https://github.com/JetBrains/MPS.git
```

MPS major branch

About 7 GB

● ● ●

Welcome to IntelliJ IDEA

 IntelliJ IDEA
2020.3.1

Search projects New Project Open Get from VCS

Projects

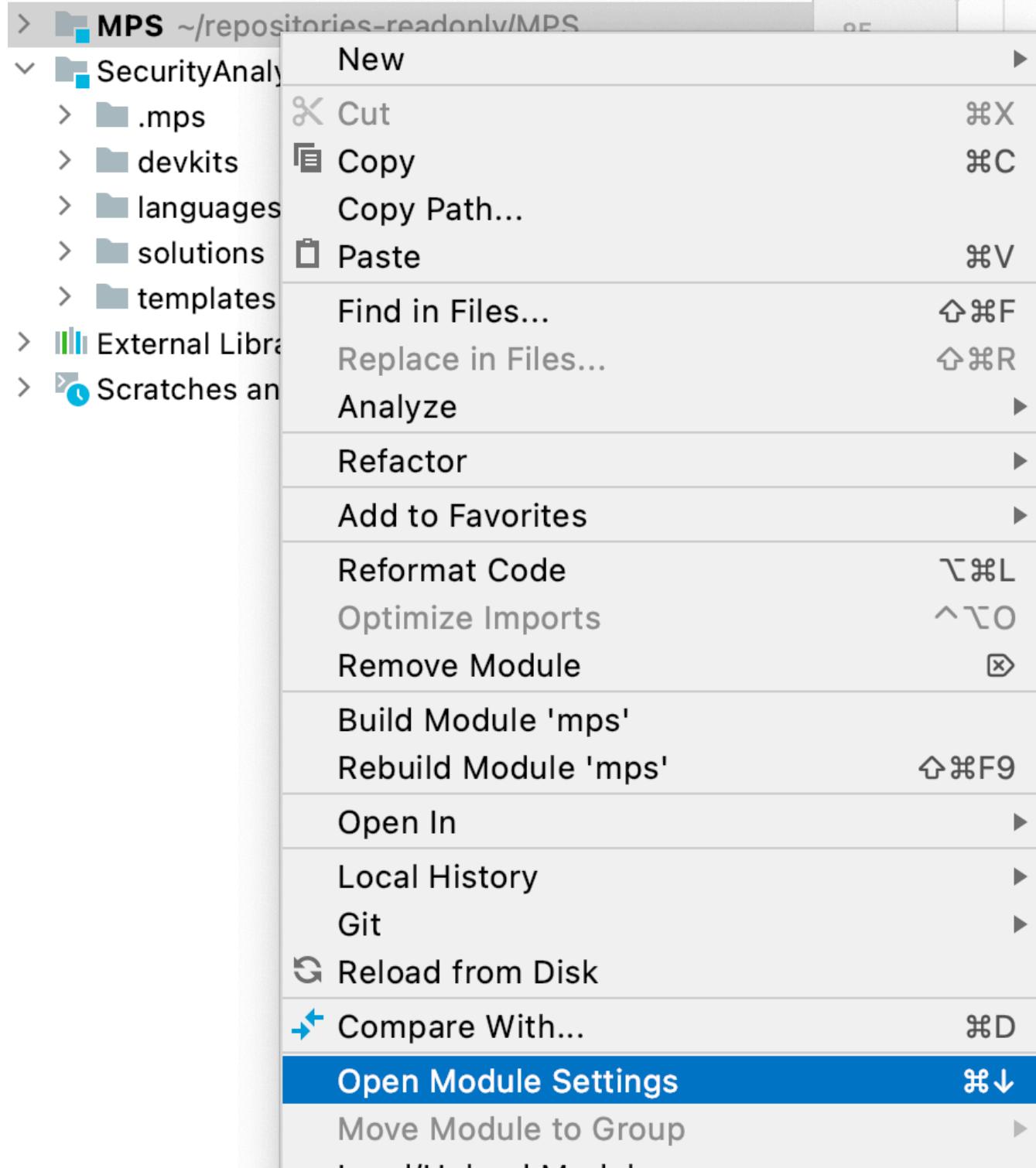
Customize

Plugins

MPS
~/repositories-readonly/MPS

xdiagram
~/repositories/seca/xdiagram

**Open MPS-Sources
IntelliJ-Project
(contains mps.iml file)**





-



Add

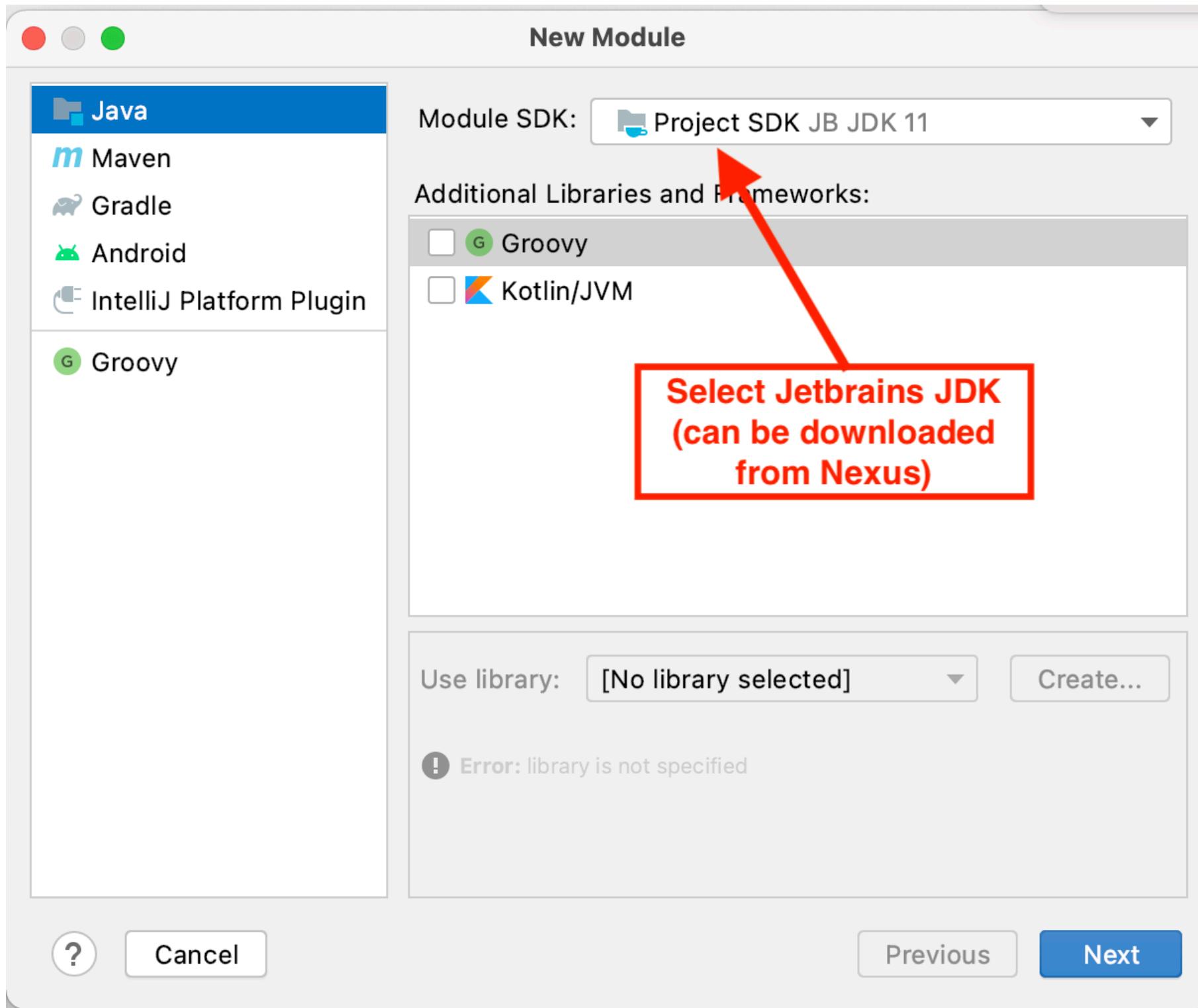


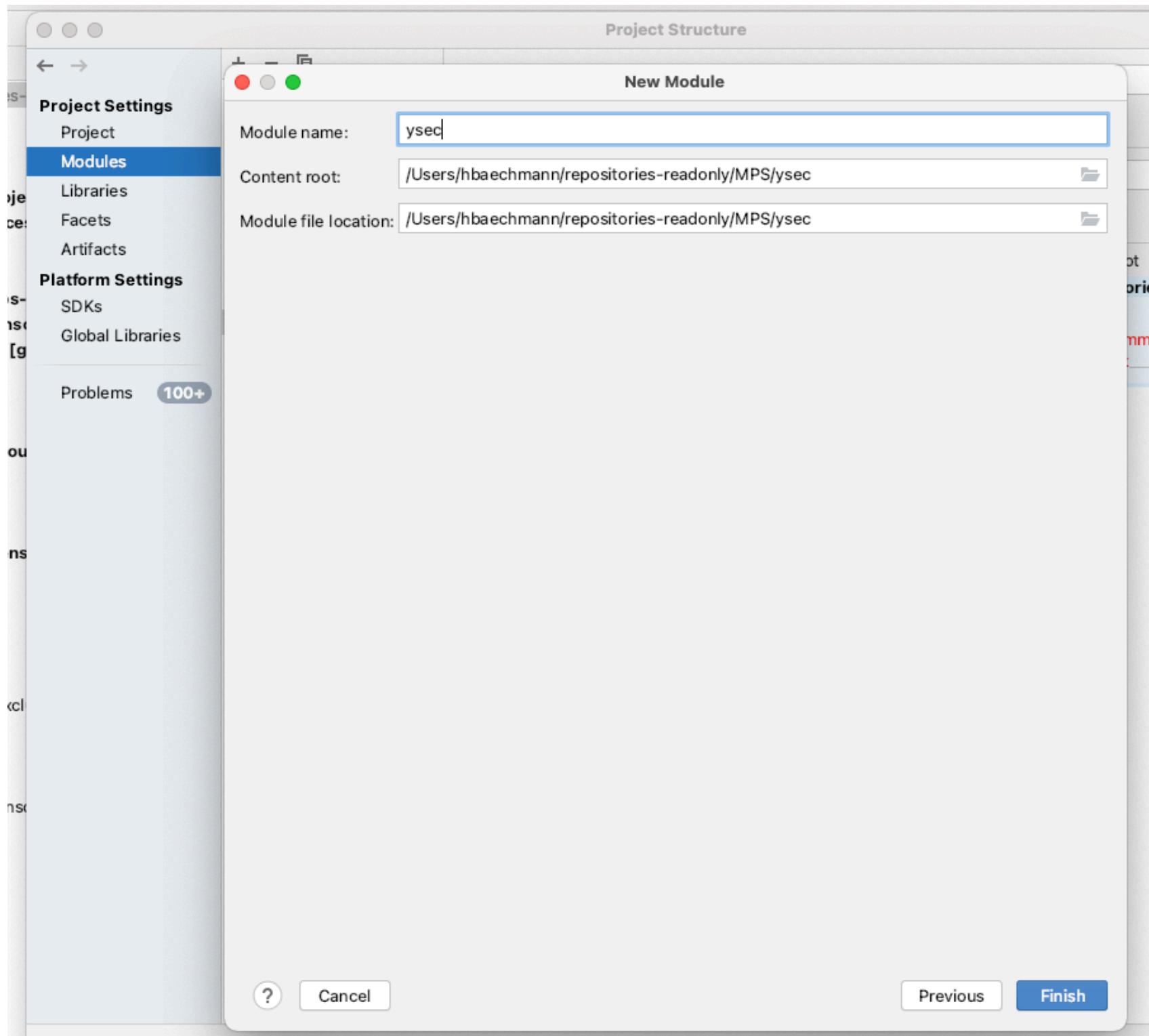
New Module



Import Module

Frameworks





 Excluded

+ Add Content Root

/Users/.../MPS/ysec



Source Folders

src

Delete content root

Remove co

Name:

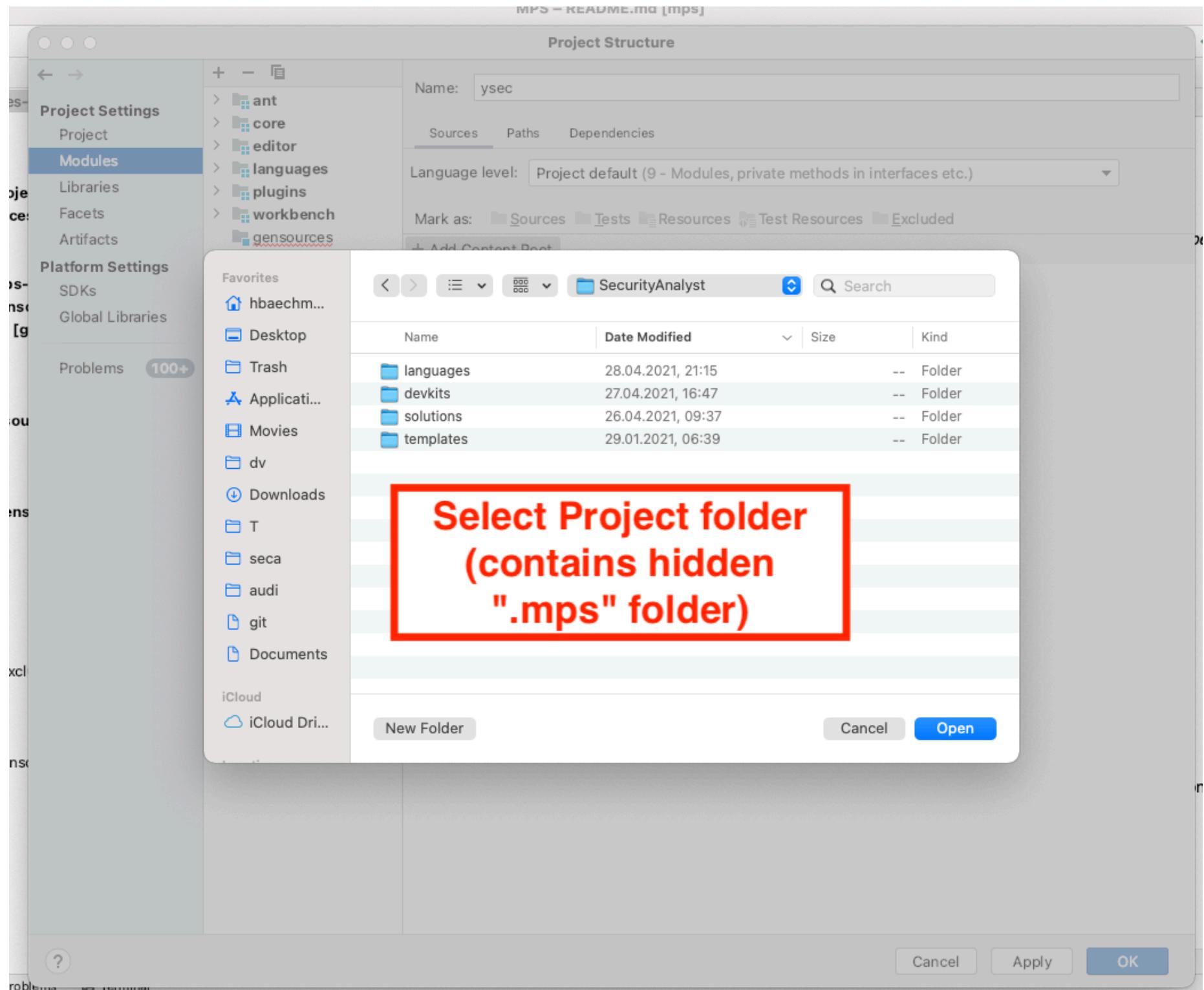
Sources Paths Dependencies

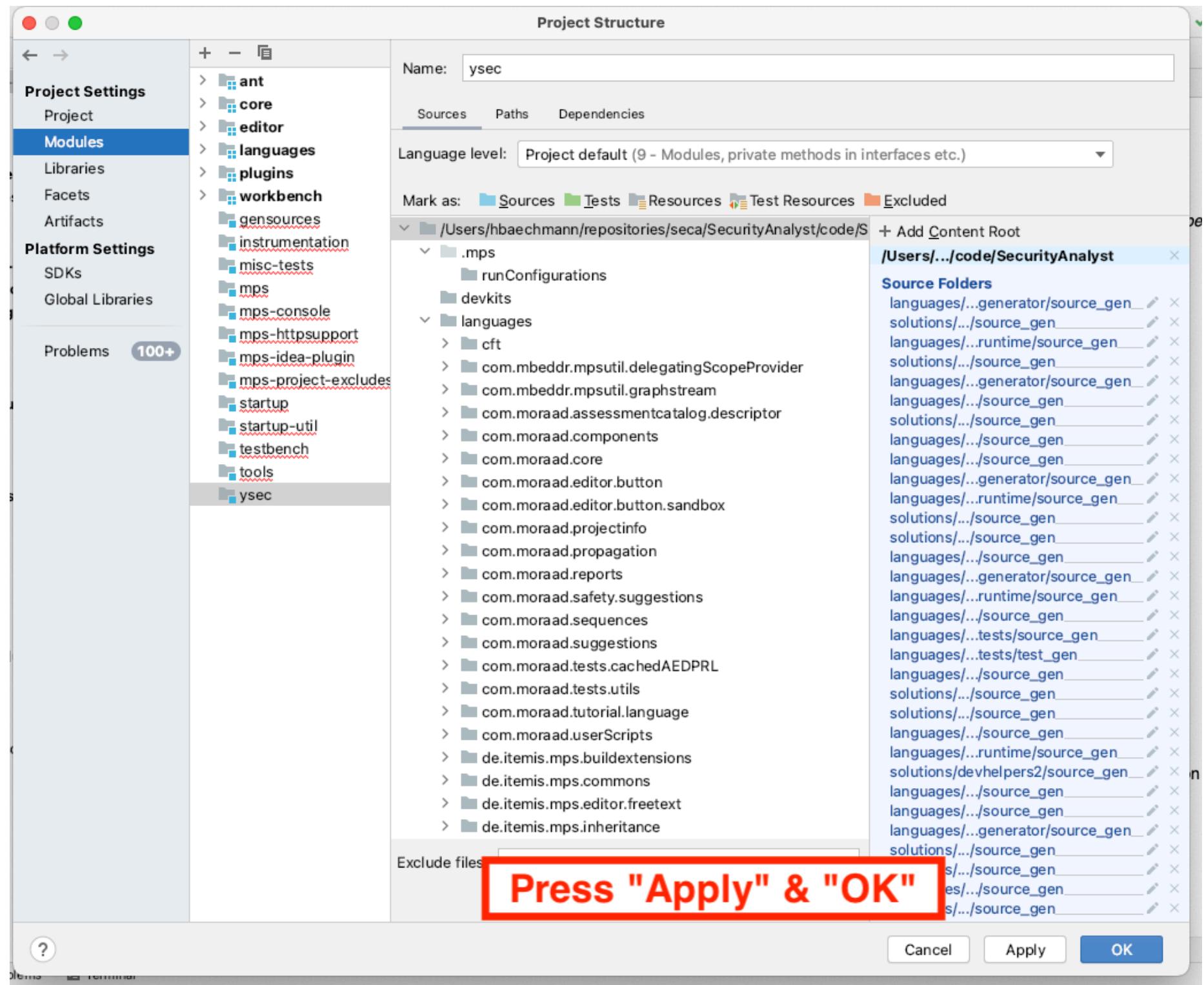
Language level: Project default (11 - Local variable syntax for lambda parameters) ▾

Mark as: Sources Tests Resources Test Resources Excluded

+ Add Content Root

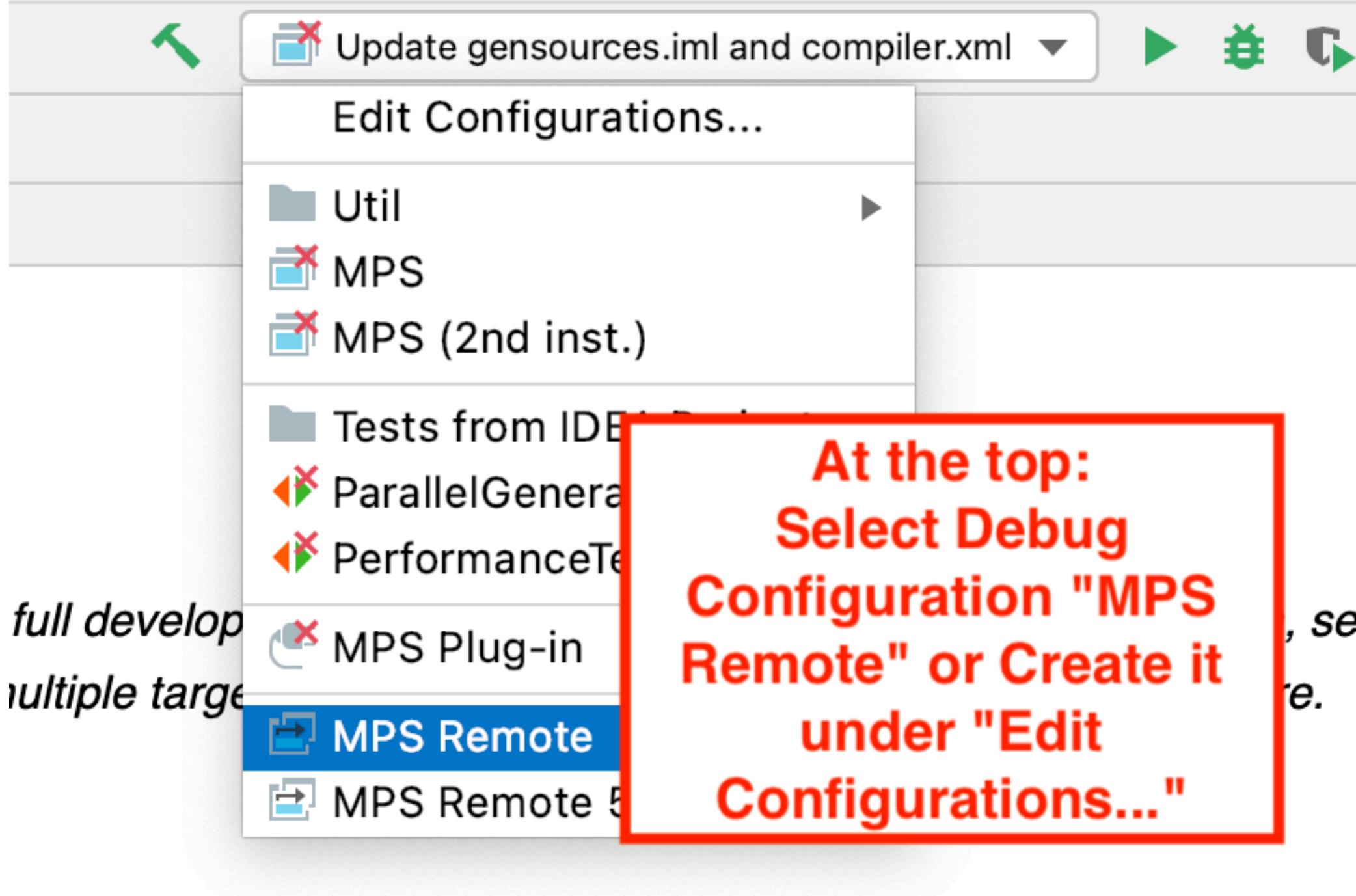
Then add new Content Root

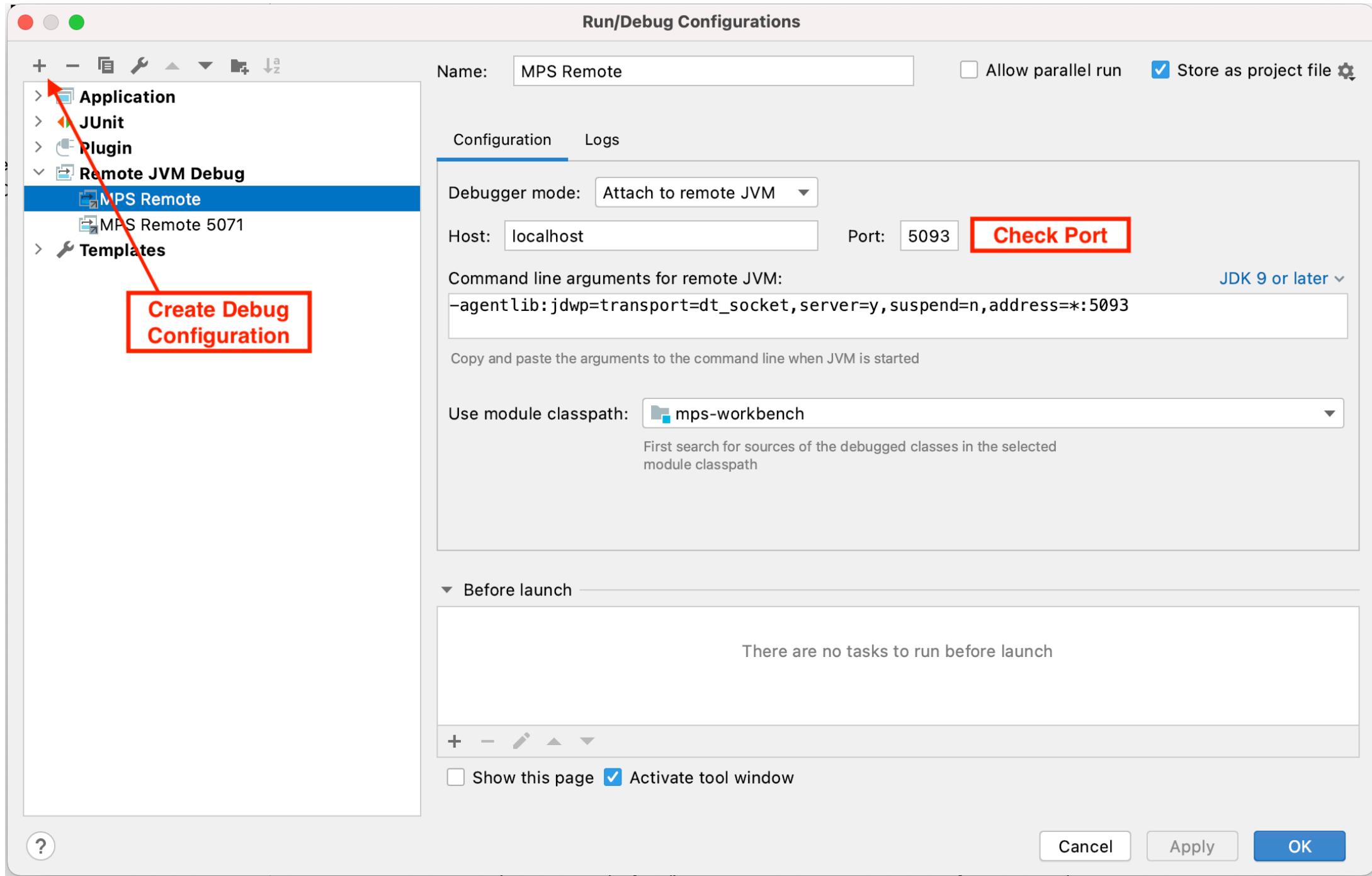




- >  MPS ~/repositories-readonly/MPS
- >  SecurityAnalyst [ysec] ~/repositories/seca/Securit
- >  External Libraries
- >  Scratches

You Should see
something like this





```
15  
16 -XX:+HeapDumpOnOutOfMemoryError  
17 -Xverify:none  
18 -Dmpss.internal=true  
19 -agentlib:jdwp=transport=dt_socket,server=y,suspend=n,address=5093
```

**Recheck the Port in the
"VM Options"**

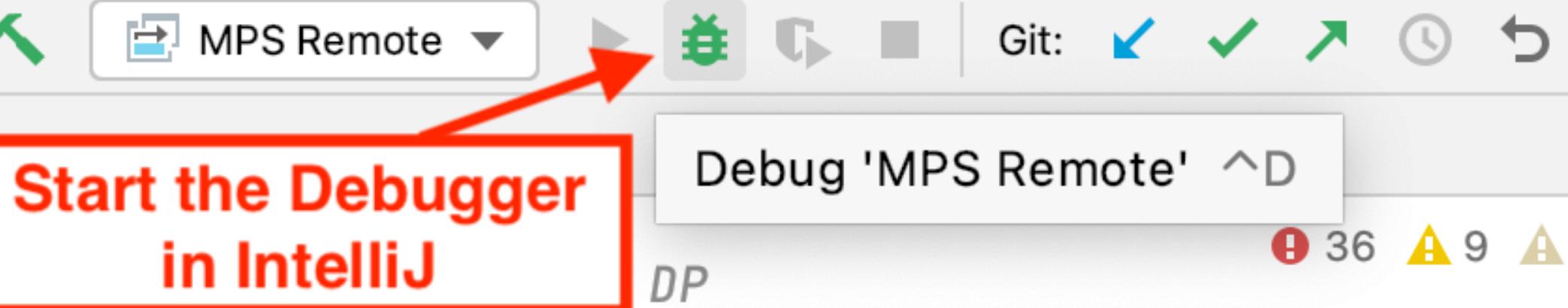


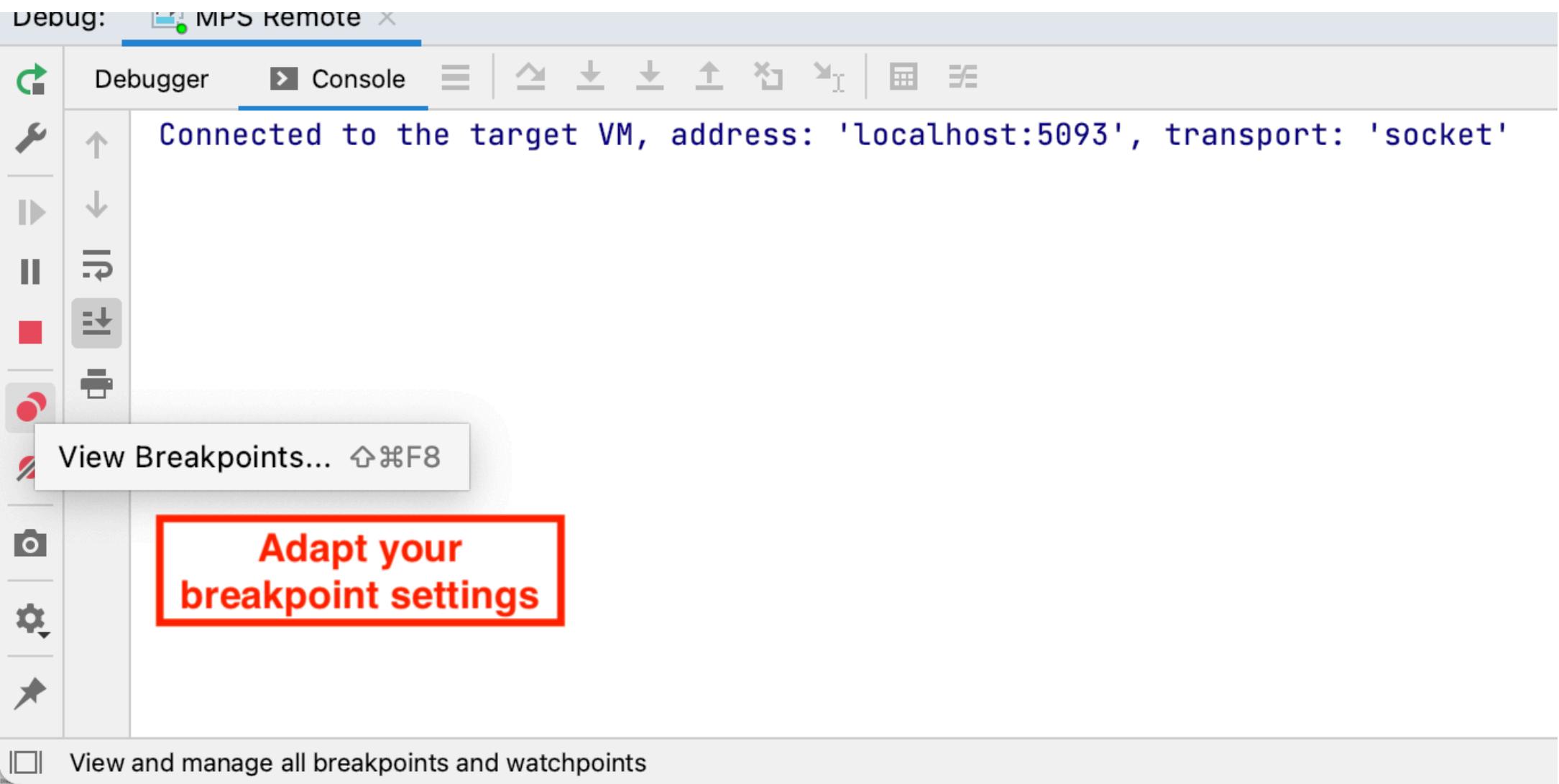
README.md ×

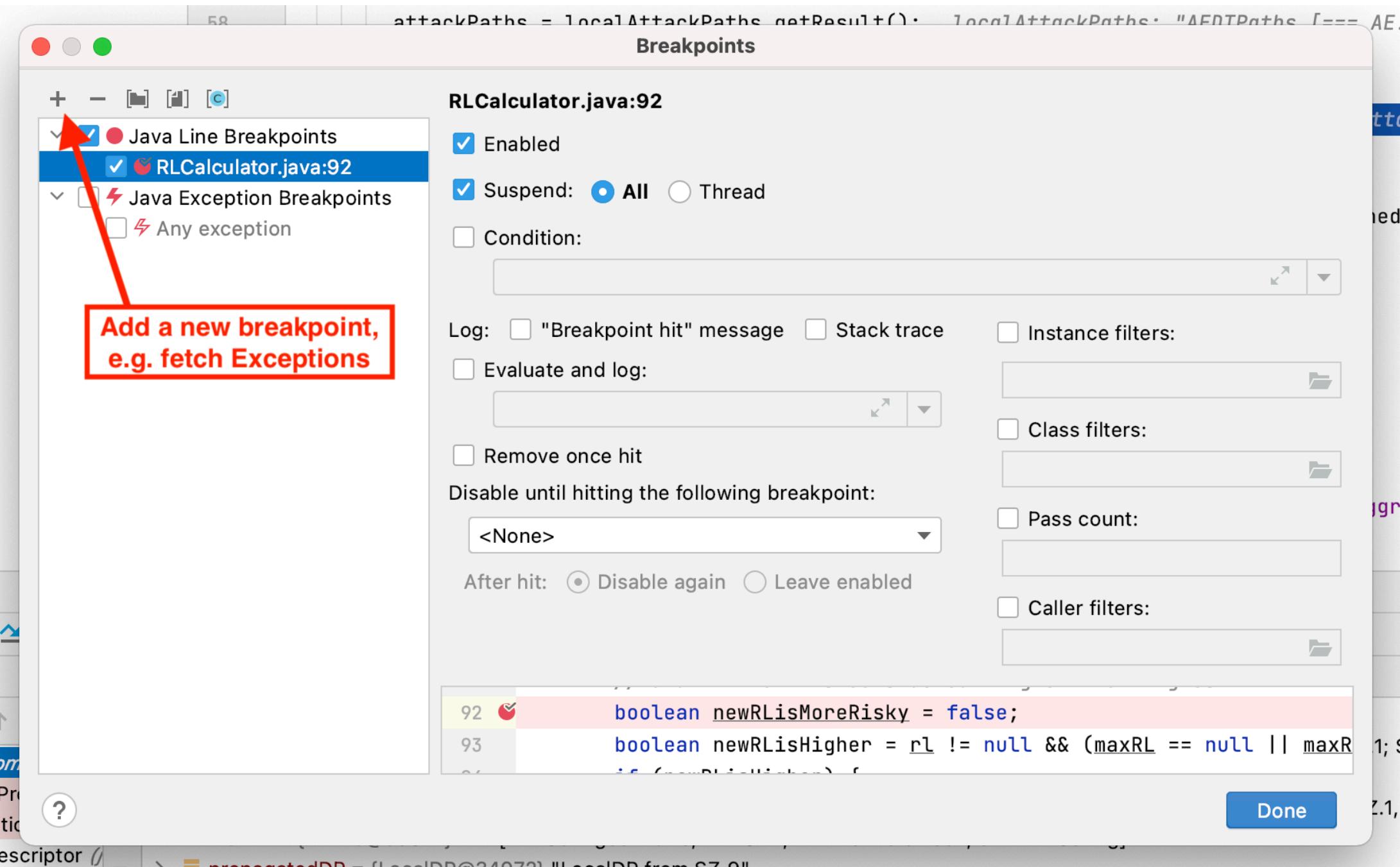


RLCalculator.java ×

```
85          // is not structured in methods cause of perf
86          // This can be a possible source, if we detect
87
88          // Let the brainfuck begin
89          Set a breakpoint in your project sources,
90          e.g. BL-class, behavior, editor-cell's "show
91          if", checking-rule, ...
92          boolean newRLisMoreRisky = false;
93          boolean newRLisHigher = rl != null && (maxRL :
94          if (newRLisHigher) {
95              // new RL is higher
96              newRLisMoreRisky = true;
97          } else {
98              boolean oldRLisHigher = maxRL != null && max
99              if (!oldRLisHigher) {
```







```
92  boolean newRLisMoreRisky = false;
93  boolean newRLisHigher = rl != null && (maxRL == null || maxR
...is higher than rl)
```

Done

+ - [] [] [c]

- ◆ 1. Java Method Breakpoints
- 2. Java Field Watchpoints
- ⚡ 3. Java Exception Breakpoints**
- 4. Kotlin Field Watchpoints



Enter Exception Class

Search by Name

Project

No matches found in project

Nullpointer ×

NullPointerException (java.lang)

< JB JDK 11 >

Cancel

OK

attackPaths = localAttackPaths.getResults(); LocalAttackPaths localAttackPaths; "AFDTPaths" --- A

Breakpoints

+ - [] [c]

Java Line Breakpoints
RLCalculator.java:92

Java Exception Breakpoints
Any exception

'com.moraad.core.runtime.propagation.NoRiskModelException'

Enabled

Suspend: All Thread

Condition:

'com.moraad.core.runtime.propagation.NoRiskModelException'

Log: "Breakpoint hit" message Stack trace

Evaluate and log:

Disable until hitting the following breakpoint:

After hit: Disable again Leave enabled

Catch class filters:

Instance filters:

Class filters:

Pass count:

Caller filters:

Notifications

Caught exception

Uncaught exception

?

Done

Security Chunk Security Objectives

RL Details - +

Security Objective S0.1 : Integrity of Switch Headlamp Off

<no description> [Edit](#)

{

Instantiates I: Integrity

Concerns OffFunc: Switch Headlamp Off

Depends on <none>

Damage Scenarios DS.1: Headla

Threatened by AS.2

Damped by <none>

} [Create](#) ▾

Security Objective S0.3 : Integ

<no description> [Edit](#)

{

Instantiates I: Integrity

Concerns OnFunc: Switch Headlamp On

Depends on <none>

Damage Scenarios DS.2: Headlamps turns on unexpectedly

Threatened by TS.1

Damped by <none>

}

Security Objective S0.2 : Availability of Switch Headlamp Off

+	IL	Severe
	AFL	Medium
	RL	4

Open MPS again and trigger an action, e.g. open a root-Node

MPS ~/repositories-readonly/MPS

SecurityAnalyst [ysec] ~/repositories/seca/Security

- .mps
- devkits
- languages
- solutions
- templates
- External Libraries
- Scratches and Consoles

```

89 // this can probably simplified, but
90 // that RL/DP==NULL is considered "l
91 // and AE==NULL is considered "high
92 boolean newRLisMoreRisky = false;
93 boolean newRLisHigher = rl != null &
94 if (newRLisHigher) {
95 // new RL is higher
96 newRLisMoreRisky = true;
97 } else {
98 boolean oldRLisHigher = maxRL != r
99 if (!(oldRLisHigher)) {
100 boolean newDPisHigher = dp != n
101 if (newDPisHigher) {
102 // new DP is higher
103 newRLisMoreRisky = true;
104 } else {
105 boolean oldDPisHigher = maxRL
106 if (!(oldDPisHigher)) {
107 boolean newAEisLower = ae !=
108 if (newAEisLower) {
109 // new AE is lower
110 newRLisMoreRisky = true;
}

```

And now you can
debug

