Dev Environment Set Up Micro-Service

1. Copy the below zip files from
   \\korvm039\Revtool_Files\softwares\2021_ReviewTool_Dev_SetUp and unzip them in a separate folder (say software).
   a. eclipse-jee-oxygen-3a-win32-x86_64.zip
   b. java-11-openjdk-11.0.10.9-1.windows.redhat.x86_64.zip
   c. apache-maven-3.8.2-bin.zip
2. Copy RTC-Client-p2Repo-6.0.5.zip from \\korvm039\Revtool_Files\softwares
3. Search environment variables in the windows search and open **Edit the system environment variables** -> **Environment Variables -> Under System Variables Select Path -> click Edit -> select New-> add the Maven bin file path from the extracted folder** (example: C:\Users\tgh1cob\Desktop\Softwares\apache-maven-3.8.2\bin) **-> click ok and apply.**
4. Open CMD end ***mvn -v*** if maven install properly you will see something like this.


5. Go to C:\Users\<your ntid>\.m2 folder. Delete repository folder (in .m2) and add settings.xml from \\korvm039\Revtool_Files\softwares\2021_ReviewTool_Dev_SetUp in the .m2 folder. **Note:** In settings.xml file replace xxxx with your username (NTID) and password
6. Open **eclipse.exe** from the extracted folder.
7. Then select **Help -> Install New Software -> local -> select the RTC-Client-p2Repo-6.0.5 folder -> click okay.** Give name as RTC-Client-p2Repo-6.0.5. Click the check box and click finish. Restart the workspace.
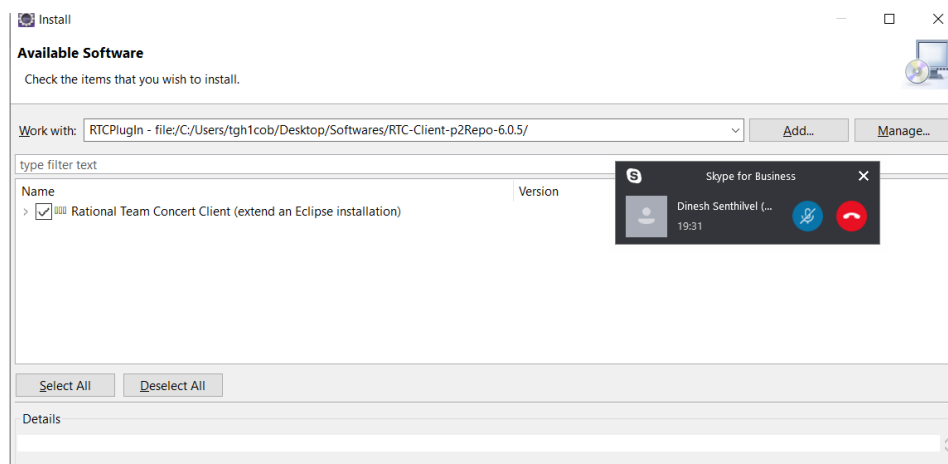
8. Select **Windows -> Show View -> Others -> Team Artifacts**
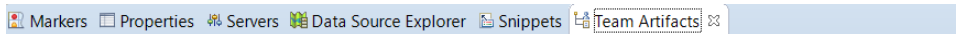
9. Select **Create a Repository Connection -> URI ->** paste https://rb-ubk-clm-02.de.bosch.com:9443/ccm/ and enter your NTID and password. Click Finish
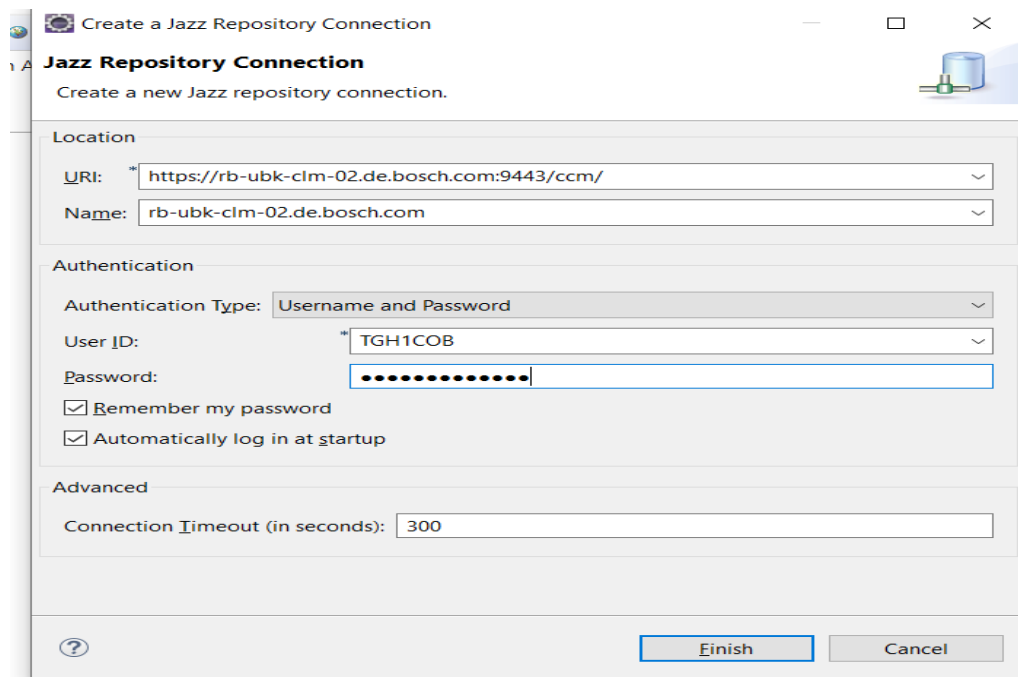
10. Right click on the connection -> select manage connected project area
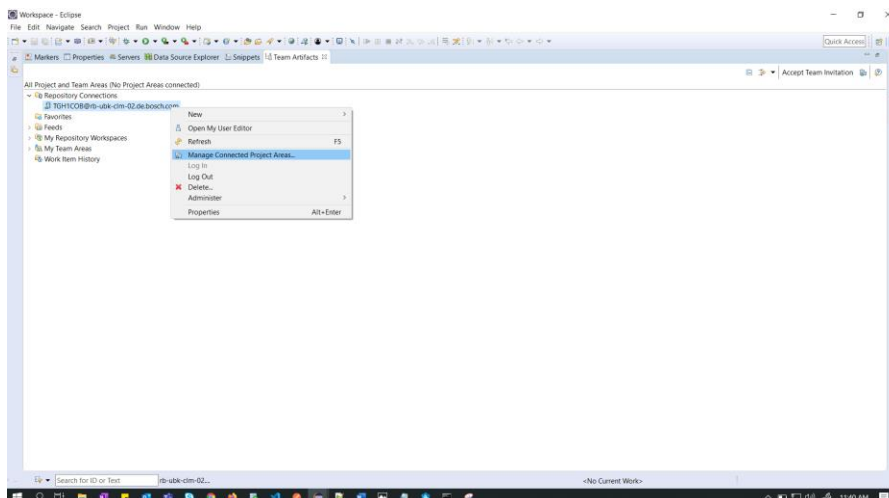
11. Select BBM Review Tool (CCM)
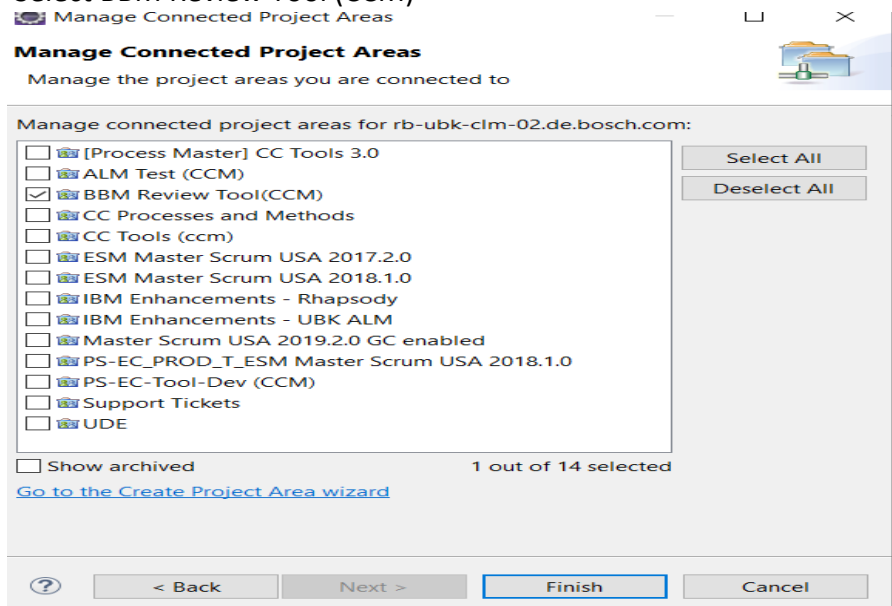
12. Expand BBM Review Tool (CCM) -> Source Control -> BBM_ReviewTool(BBM Review Tool(CCM)) -> Right click -> New -> Repository Workspace -> Finish

13. Select Find and Load Eclipse Project

Load Repository Workspace

Load Repository Workspace

Load all the projects within the components. Select how project folders are defined.

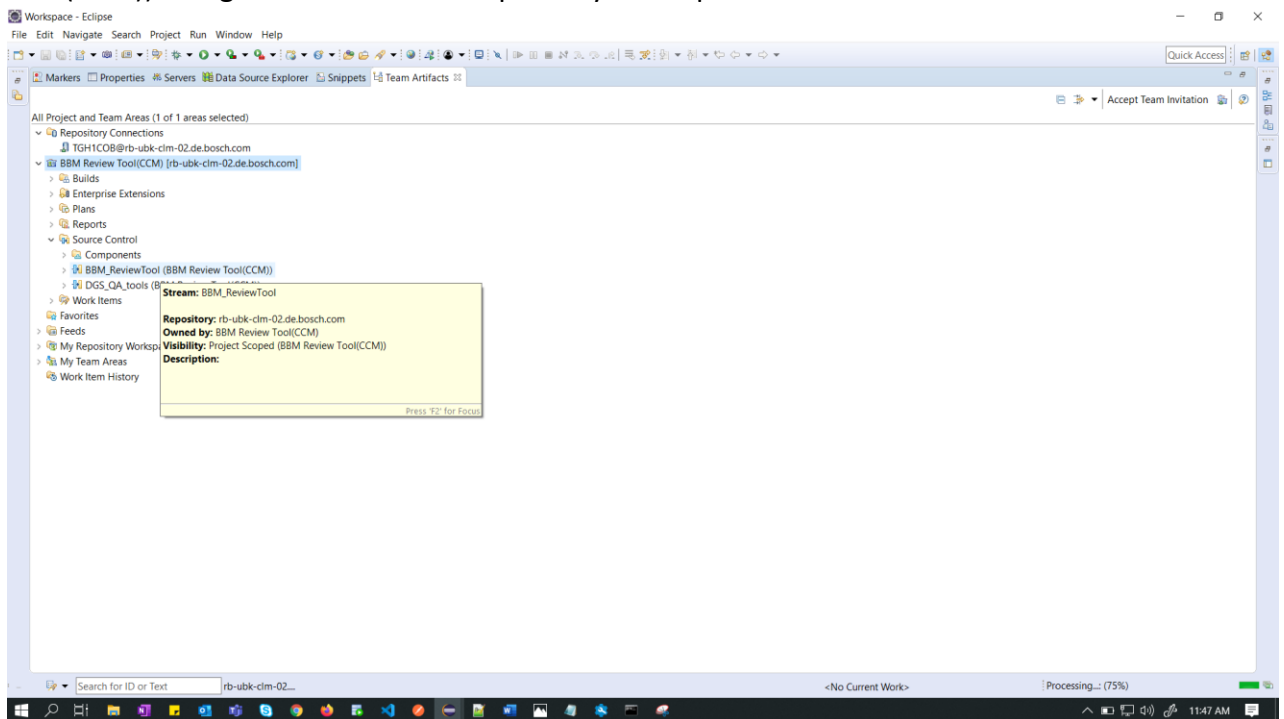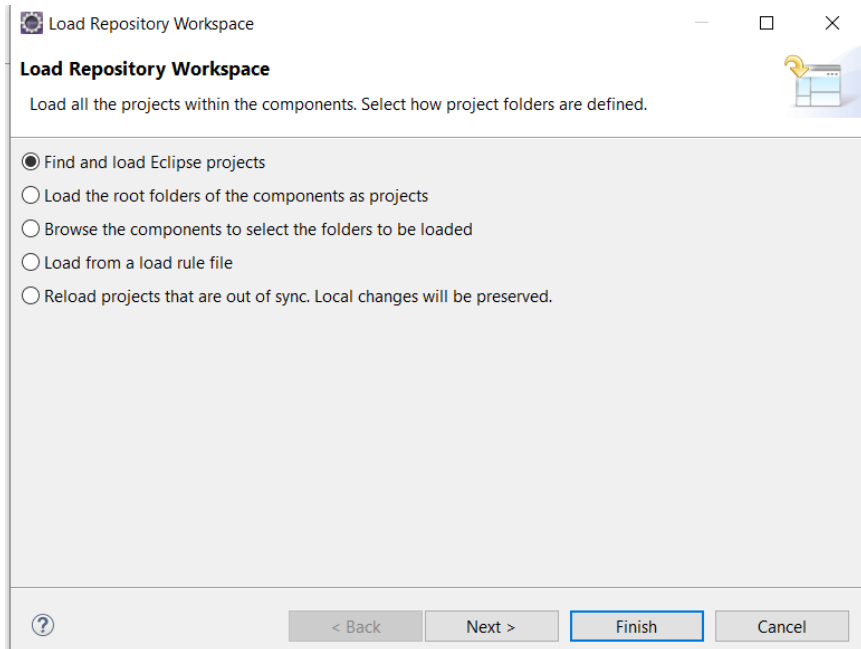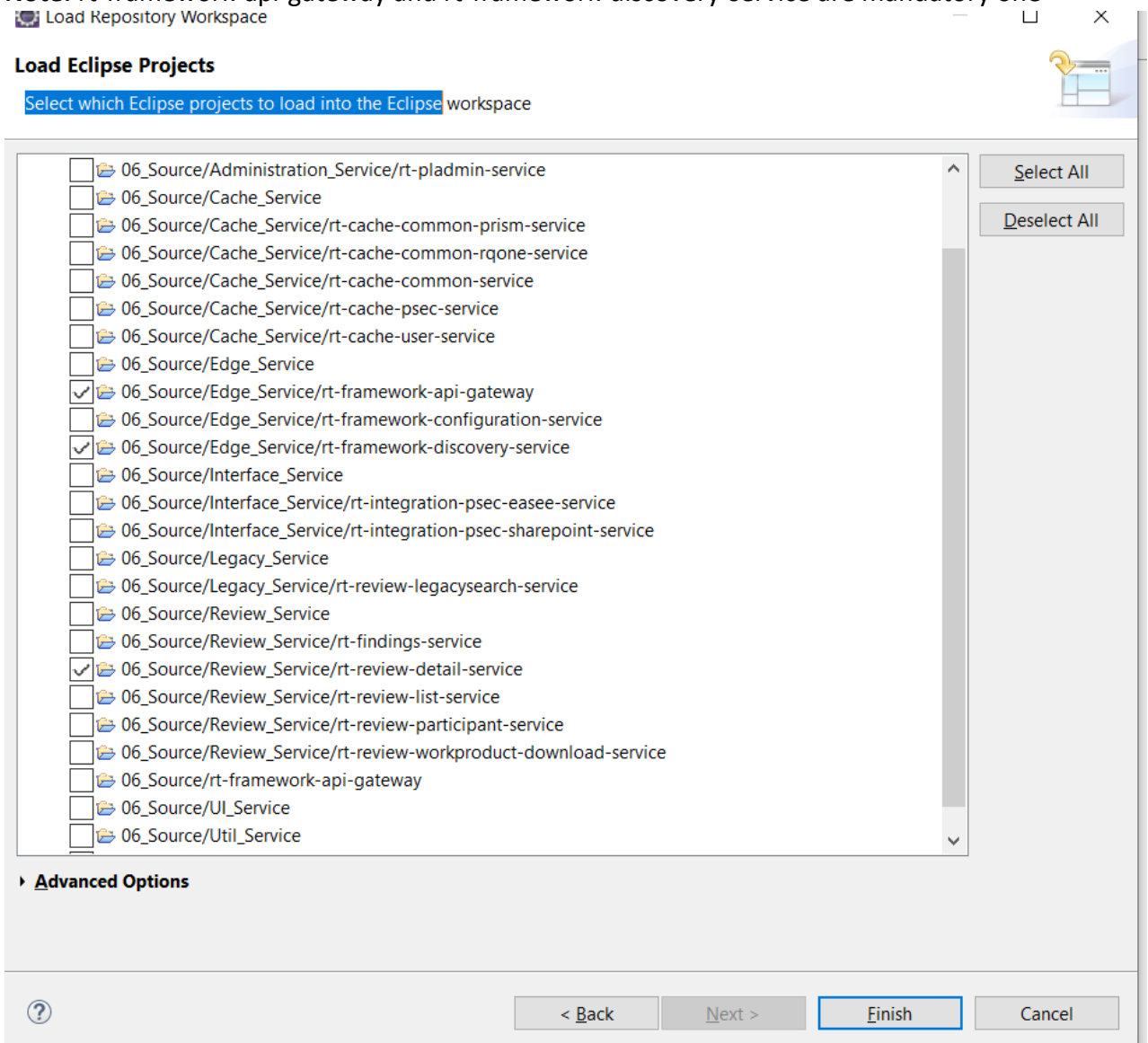- ● Find and load Eclipse projects
- ○ Load the root folders of the components as projects
- ○ Browse the components to select the folders to be loaded
- ○ Load from a load rule file
- ○ Reload projects that are out of sync. Local changes will be preserved.

| < Back | Next > | Finish | Cancel |

14. Select Required project from the list and select finish

Note: rt-framework-api-gateway and rt-framework-discovery-service are mandatory one

Load Repository Workspace

Load Eclipse Projects

Select which Eclipse projects to load into the Eclipse workspace

- ☐ 06_Source/Administration_Service/rt-pladmin-service
- ☐ 06_Source/Cache_Service
- ☐ 06_Source/Cache_Service/rt-cache-common-prism-service
- ☐ 06_Source/Cache_Service/rt-cache-common-rqone-service
- ☐ 06_Source/Cache_Service/rt-cache-common-service
- ☐ 06_Source/Cache_Service/rt-cache-psec-service
- ☐ 06_Source/Cache_Service/rt-cache-user-service
- ☐ 06_Source/Edge_Service
- ☑ 06_Source/Edge_Service/rt-framework-api-gateway
- ☐ 06_Source/Edge_Service/rt-framework-configuration-service
- ☑ 06_Source/Edge_Service/rt-framework-discovery-service
- ☐ 06_Source/Interface_Service
- ☐ 06_Source/Interface_Service/rt-integration-psec-easee-service
- ☐ 06_Source/Interface_Service/rt-integration-psec-sharepoint-service
- ☐ 06_Source/Legacy_Service
- ☐ 06_Source/Legacy_Service/rt-review-legacysearch-service
- ☐ 06_Source/Review_Service
- ☐ 06_Source/Review_Service/rt-findings-service
- ☑ 06_Source/Review_Service/rt-review-detail-service
- ☐ 06_Source/Review_Service/rt-review-list-service
- ☐ 06_Source/Review_Service/rt-review-participant-service
- ☐ 06_Source/Review_Service/rt-review-workproduct-download-service
- ☐ 06_Source/rt-framework-api-gateway
- ☐ 06_Source/UI_Service
- ☐ 06_Source/Util_Service

Select All

Deselect All

▸ **Advanced Options**

| < Back | Next > | Finish | Cancel |

15. Then select **Project -> properties -> java build path -> select libraries tab -> select add library -> JRE System Library -> Installed JREs -> select Java 1.8 and select remove -> Add -> Standard VM -> Directory -> select the** java-11-openjdk-11.0.10.9-1.windows.redhat.x86_64 folder in the extracted folder **-> Select Finish -> select the check box near Java 11 -> Apply and close -> Finish -> Apply and close**

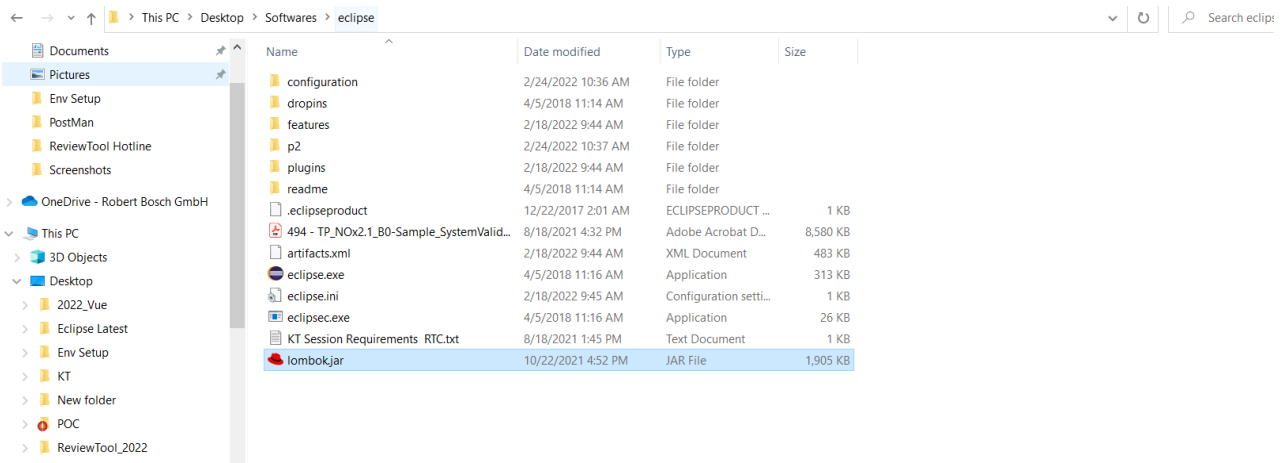16. Right click on each project -> build path -> configure build path.
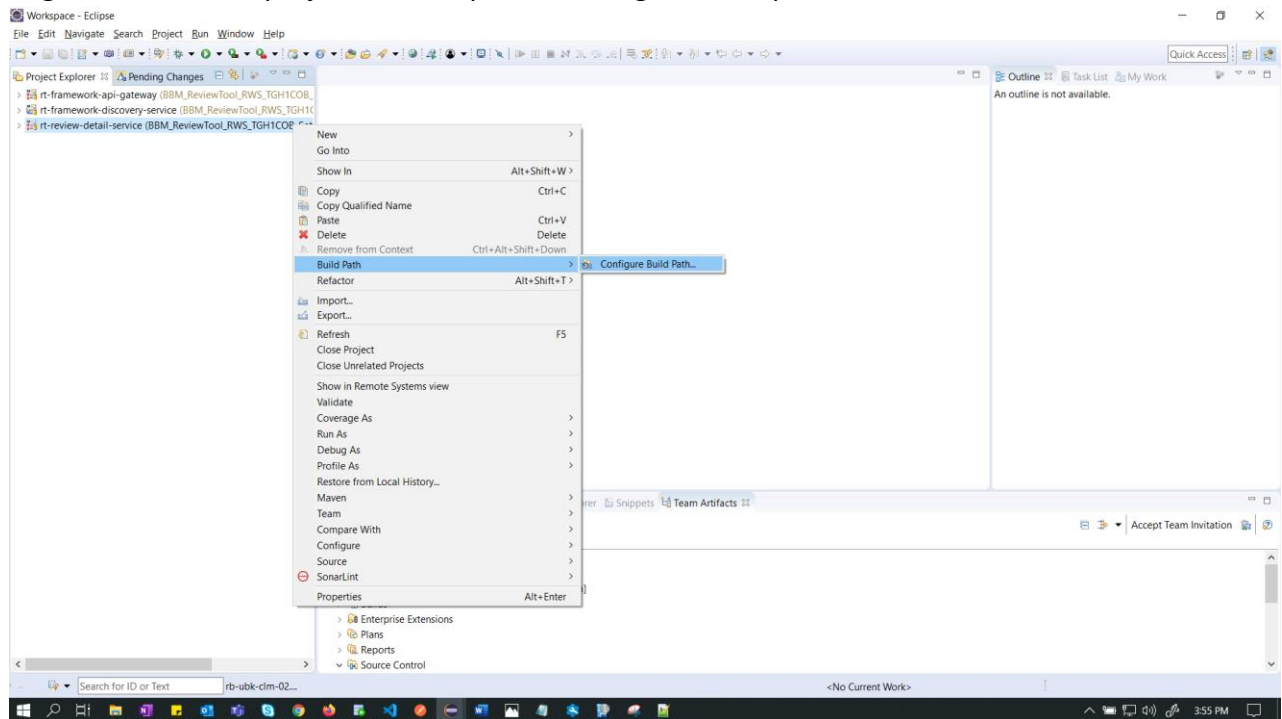
17. If you find unbound library select the library -> select remove -> apply and close.
   **Note:** Do step 16 and 17 this for all the checked-out projects.
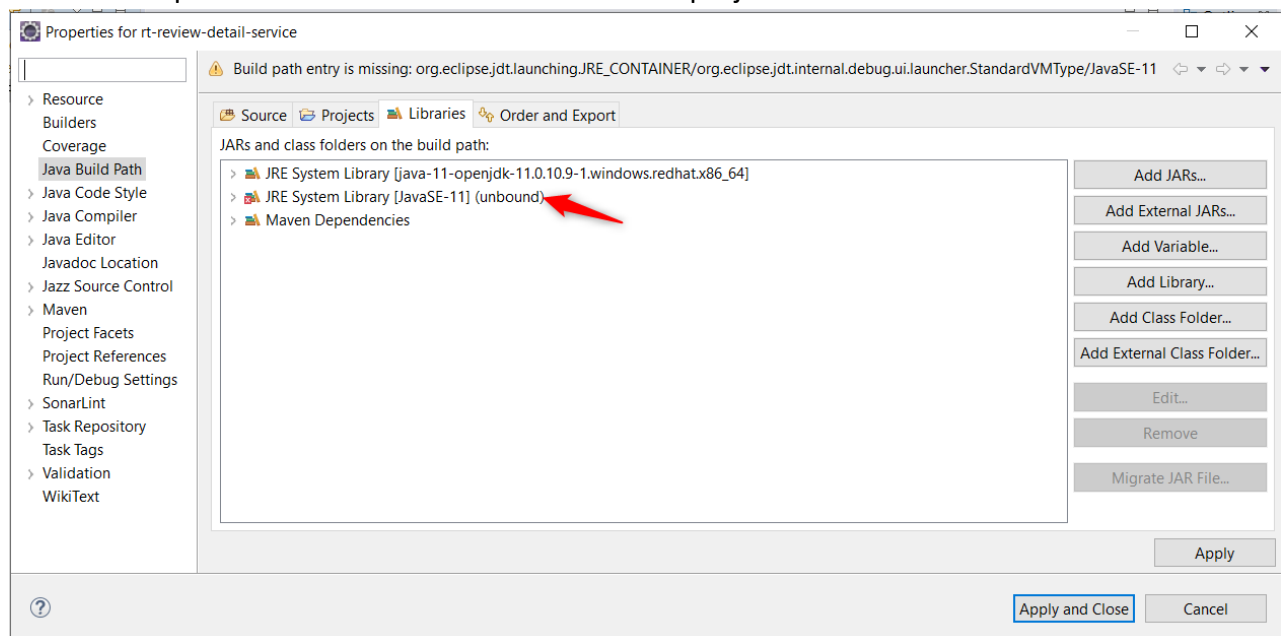
18. Copy lombok.jar from
    \\korvm039\Revtool_Files\softwares\2021_ReviewTool_Dev_SetUp into you eclipse folder.

19. Double click on lombok.jar -> Click okay if you get Can't find IDE pop up -> select specific location -> navigate to the eclipse folder and select eclipse.exe and select Install/Update. Once Installation completed restart your eclipse workspace.
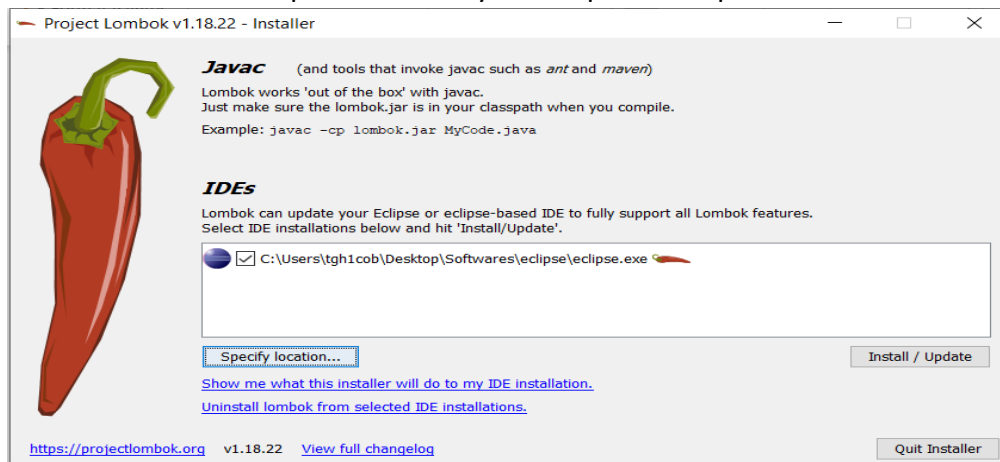

20. In Eclipse select **Windows -> Preference -> search for Network Connection -> Set Active Provider to Manual -> Set the values as below. Use your username password**
**Host:** rb-proxy-de.bosch.com
Port: 8080
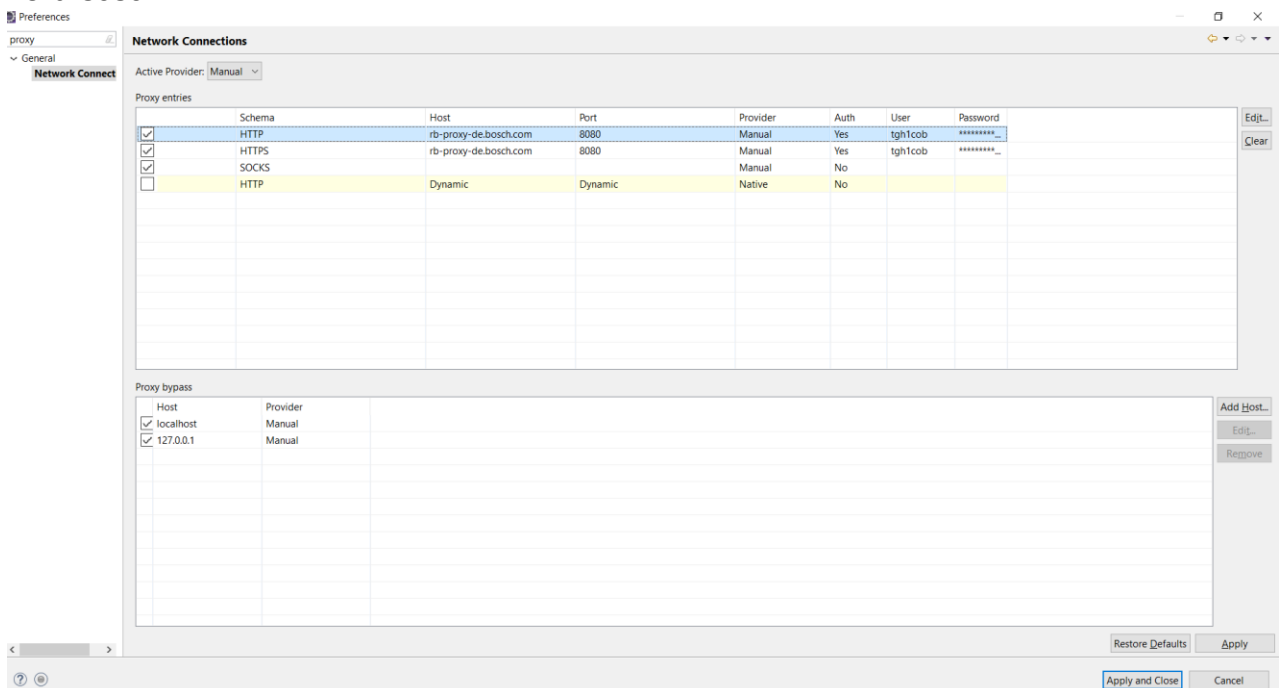
21. In eclipse if you have an unknown error in pom.xml file (only in first line) in your projects then select **Help -> Install New Software -> Add -> Location** https://download.eclipse.org/m2e-wtp/releases/1.4/ paste this and click okay. Select all the software and click finish. Once Installation gets completed restart the workspace.
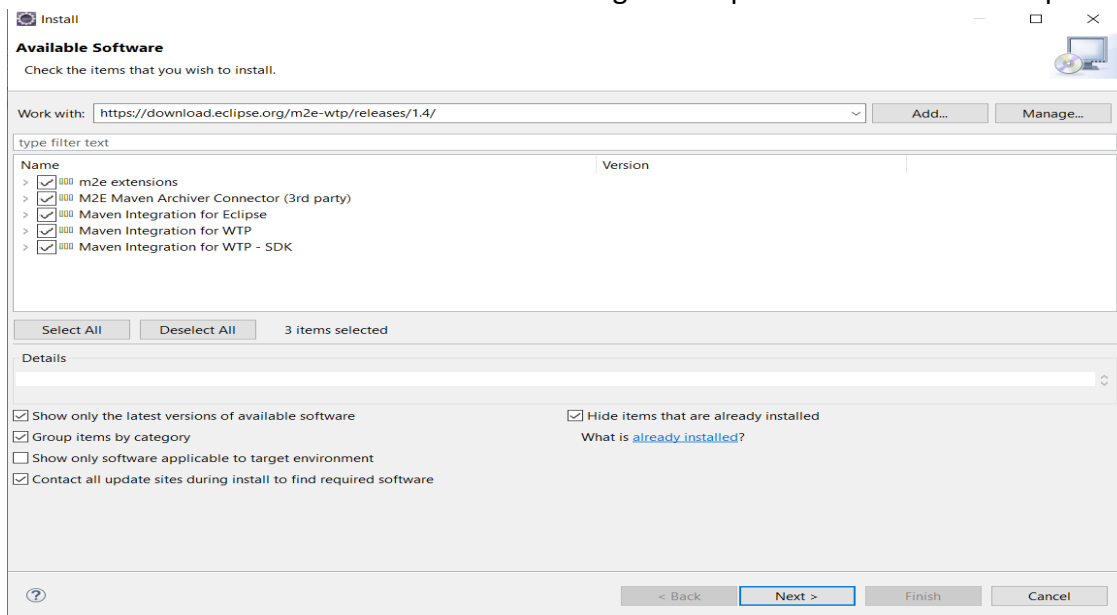

22. Right click on any project -> Maven -> update project
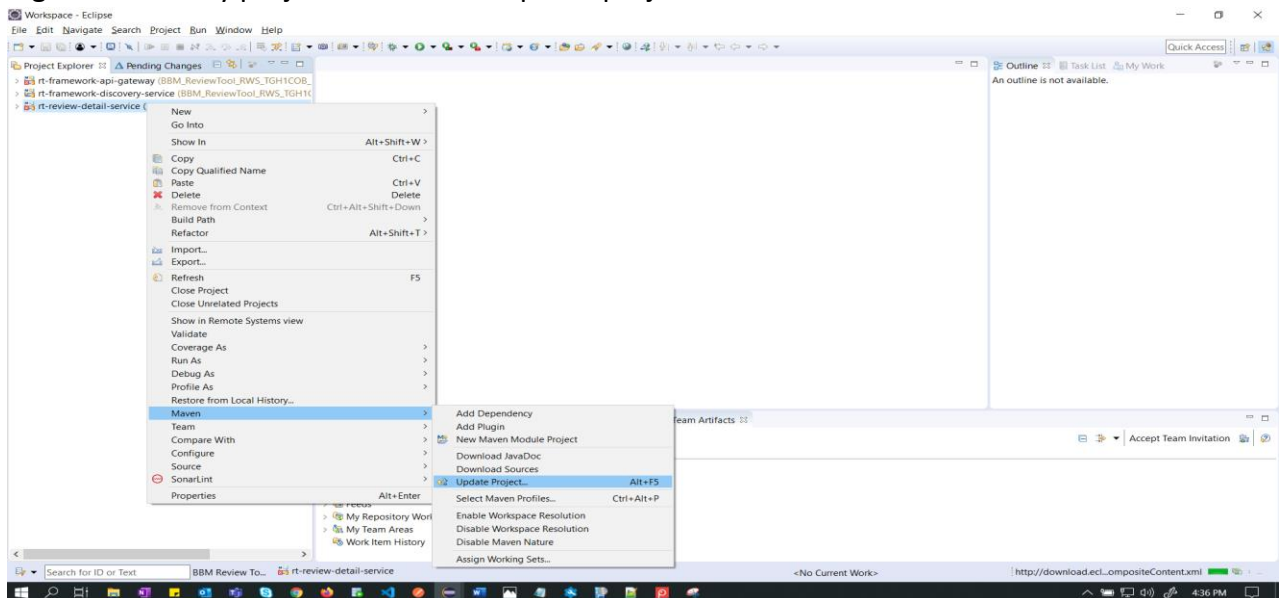
23. Select all projects and select Force update of snapshots/ releases and click okay
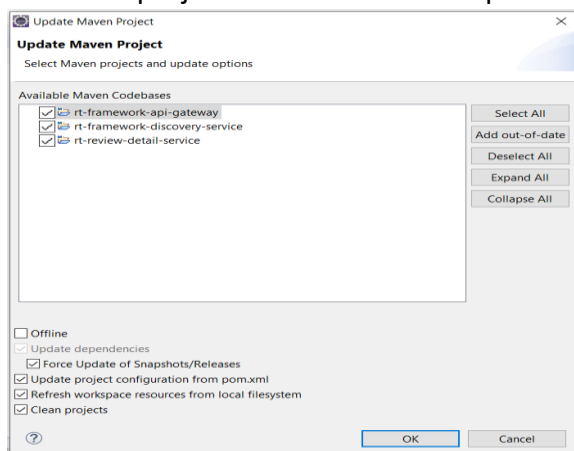
24. Right click on each project -> build path -> configure build path. Remove Unbound library and JRE System library [J2SE-1.5]. And select add library -> Workspace default -> finish -> apply.
25. On the same preference pop up select java complier in the left pan and select 1.8. Repeat Step 24 and 25 for all projects
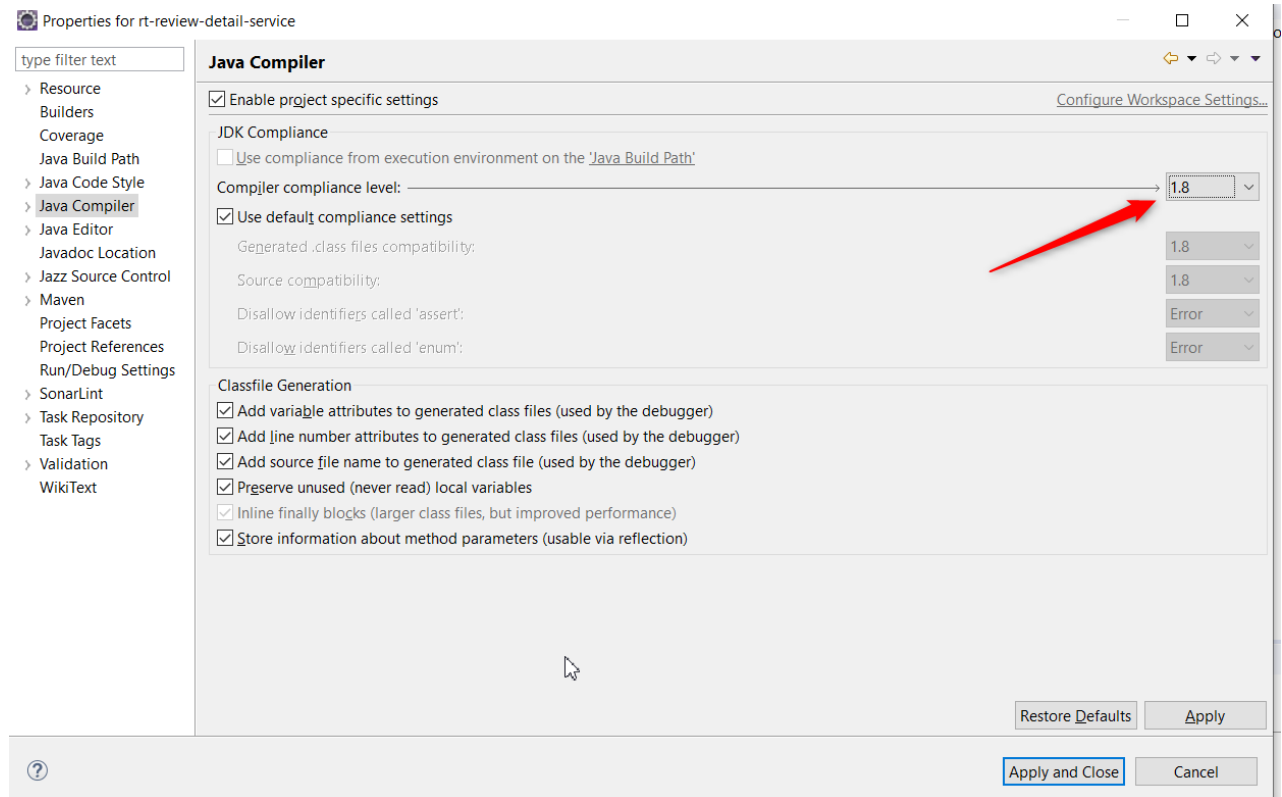
26. Right click on a Project -> Run As -> Maven Clean
27. Right click on a Project -> Run As -> Maven Install
28. Right click on Project -> Run As -> Maven Build Alt+Shift+X,M and in goals give *clean install package* and click run. Once build success. Repeat step 26 , 27 and 28 for all projects
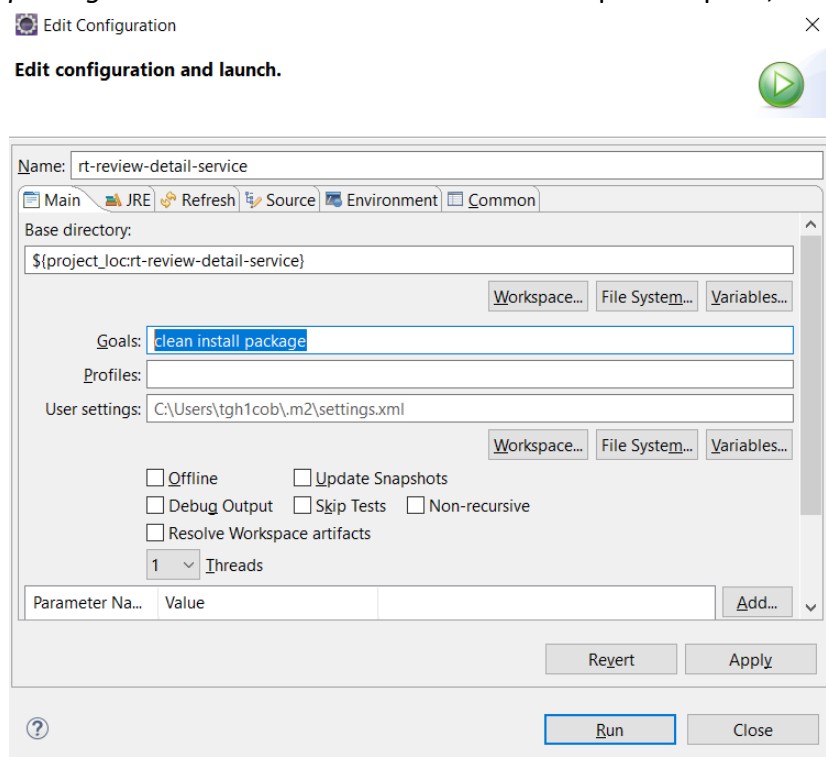
29. Now Right click on the discovery service -> Run as -> Java Application -> Select DiscoveryServerApplication and click run.
30. Right click on the api gateway service -> Run as -> Java Application -> select ApiGatewayServiceApplication and click run.

Note: Before starting any other micro service discovery and api gateway should be started first. And Discovery service should be always started first and then api gateway