

JAR Packaging report

Workgroup number: E8.01

Repository: <https://github.com/javiervaz01/Acme-Toolkits>

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Name	Corporate e-mail
Carrasco Núñez, Alejandro	alecarnun@alum.us.es
Durán Terrero, Andrés	anddurter@alum.us.es
López Benítez, Pablo Delfín	pablopben@alum.us.es
Núñez Moreno, Pablo	pabnunmor@alum.us.es
Robledo Campa, Pablo José	pabrobcam@alum.us.es
Vázquez Monge, Francisco Javier	fravazmon@alum.us.es

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Executive summary

The following document contains a report detailing, step-by-step, the approach that we have followed to package the Acme Framework (In this case the 22.7 version, the latest one until the date of the creation of the report).

Revision table

Revision number	Date	Description
v1	2022/05/27	Initial version

Introduction

The contents of this report detail the required steps for exporting the Acme Framework project as a standalone .jar file. This results in great benefits from the point of view of portability and compatibility, since we can ensure that we have a working version of the software in a compact file that we can deliver to the end user.

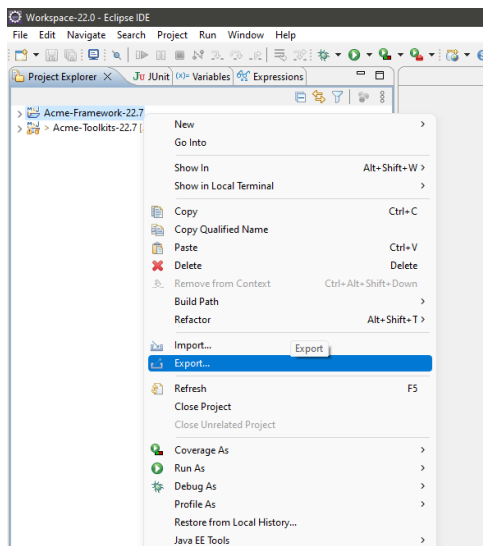
Contents

The procedure for packaging and using the Acme Framework project as a .jar is as follows:

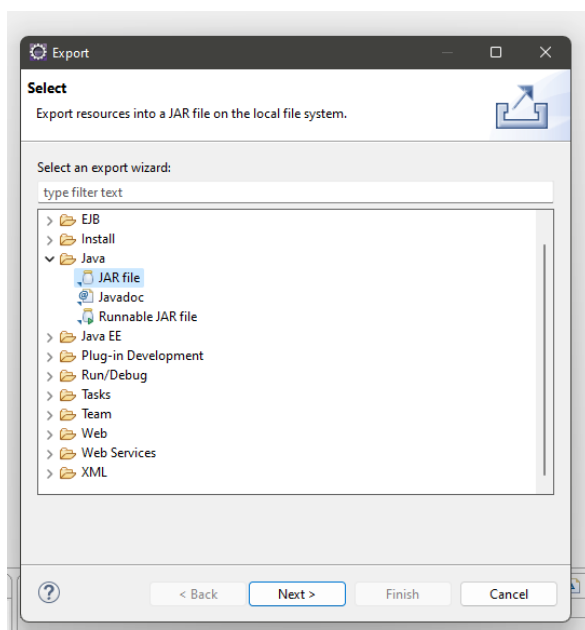
1. Open the Eclipse IDE



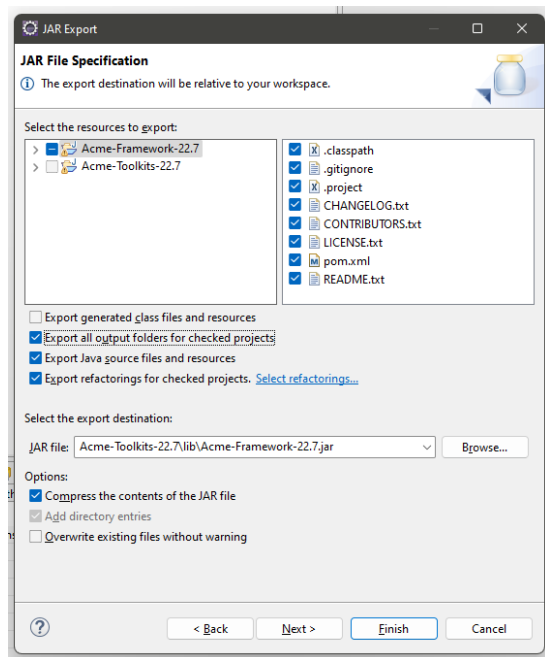
2. Right click on the corresponding Acme-Framework project and click on “Export”



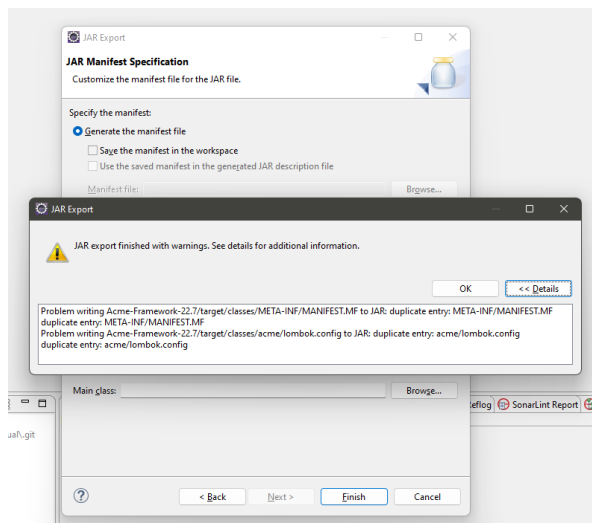
3. Click on “JAR file”



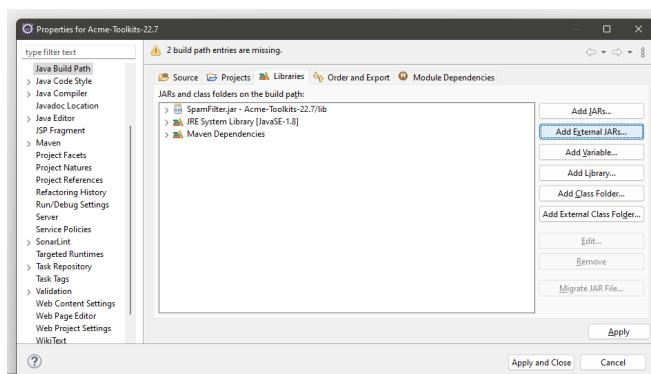
4. Leave the “JAR File Specification” as it is. Specify an export destination as a local route



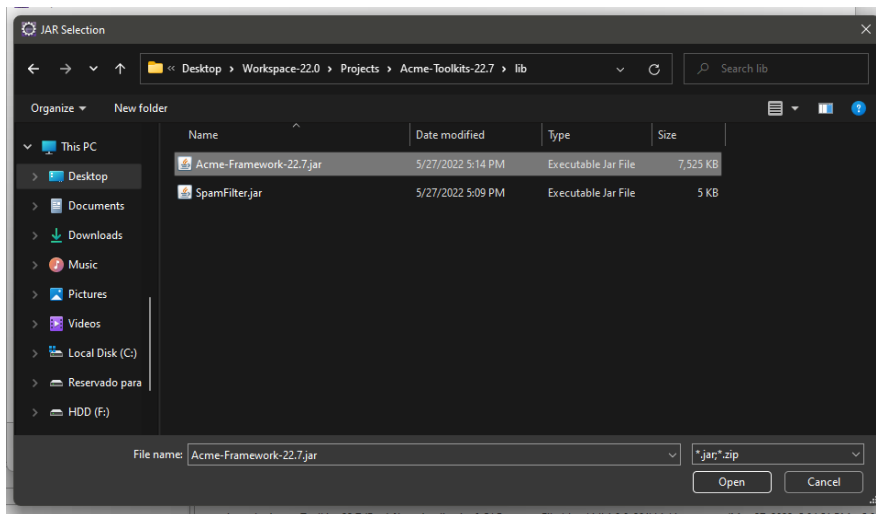
5. Click on “Finish”. Ignore the following warnings on duplicate entries.



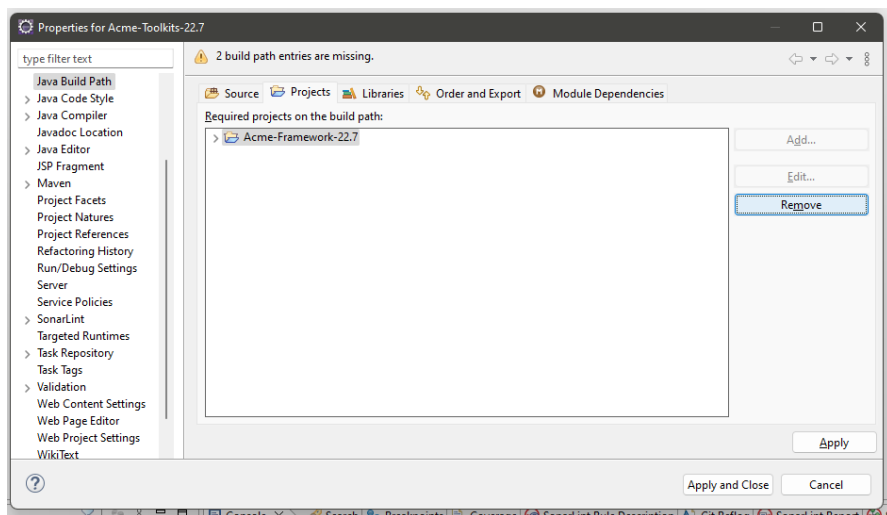
6. Click on “Libraries” > “Add External JARs...”



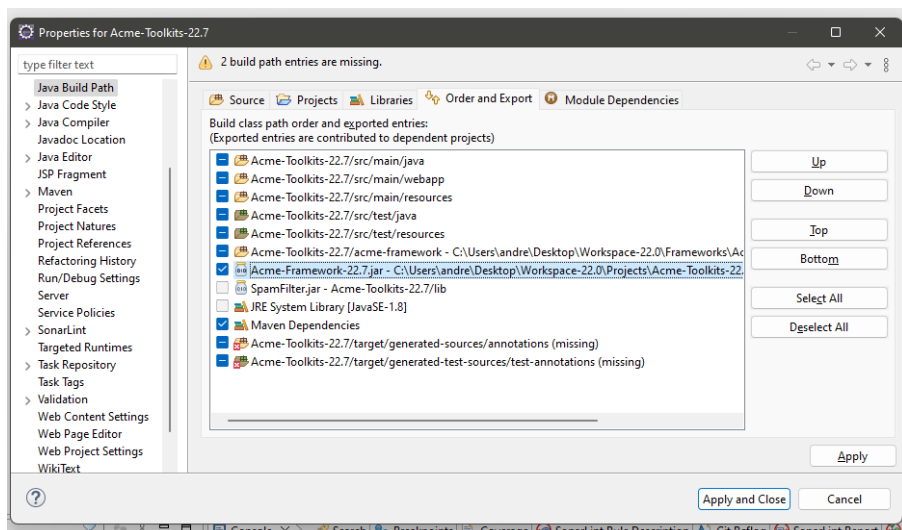
7. Select the Acme-Framework JAR file, which should be inside the project's folder



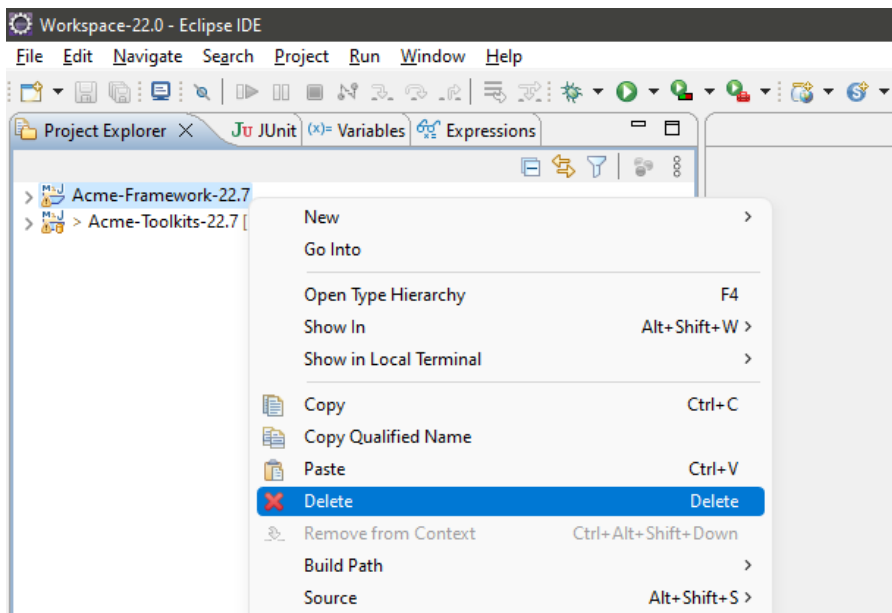
8. Click on “Projects” > “Remove” to remove the dependency to the Acme-Framework project



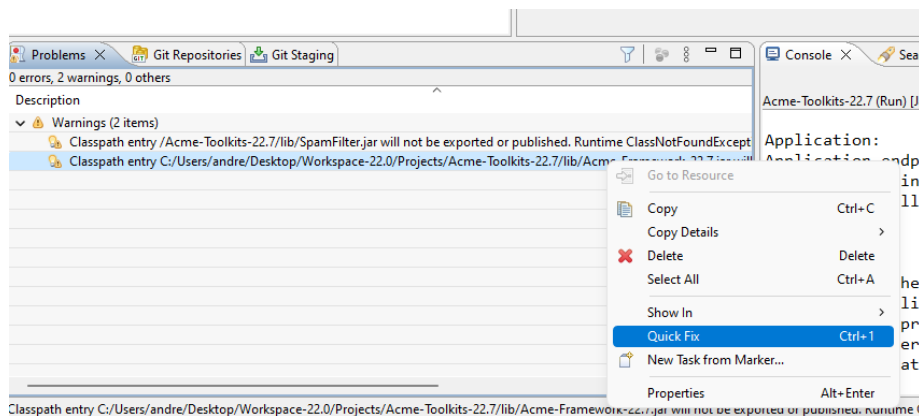
9. Click on “Order and export”, check the Acme-Framework JAR entry and, preferably, place it under the rest of Acme-Toolkits entries. Finally, click on “Apply and Close”



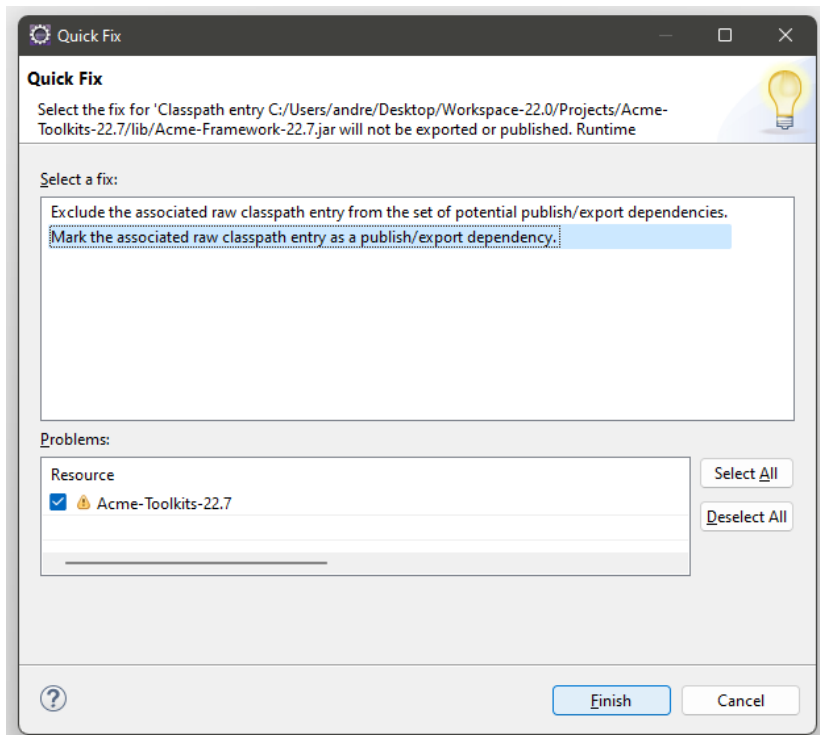
10. Delete the Acme-Framework project from Eclipse



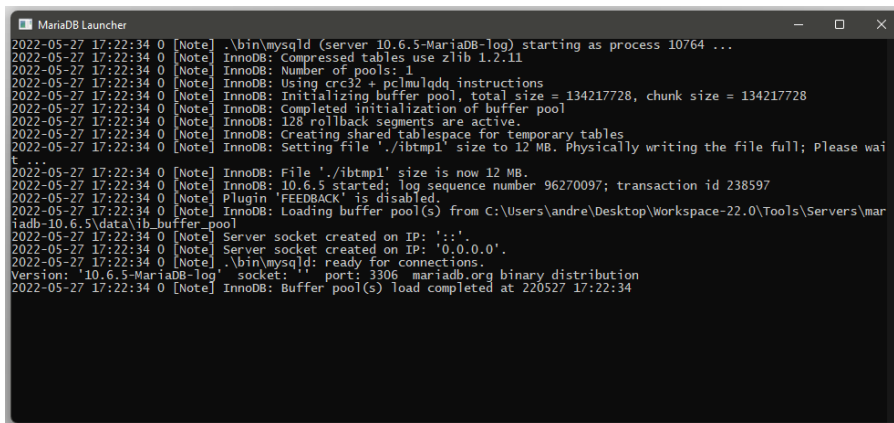
11. (Optional) Right click on the warnings and then on "Quick fix"



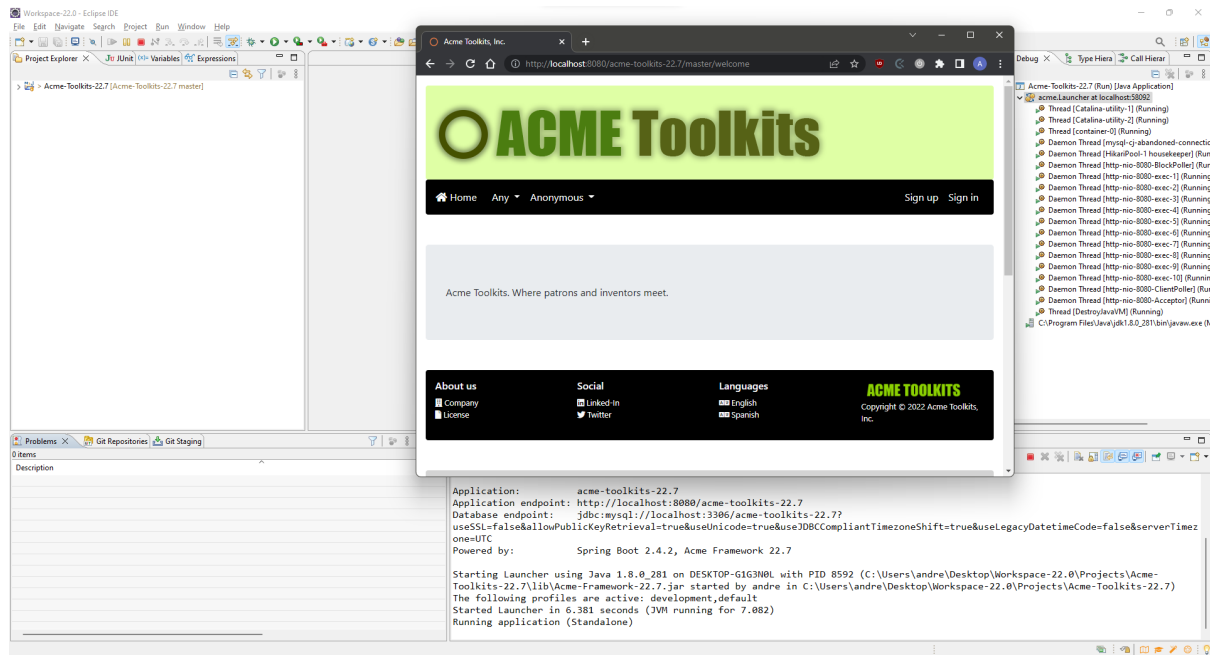
12. (Optional) Click on "Mark the associated raw classpath entry as publish/export dependency" and then "Finish" to mend the warning



13. Open the provided MariaDB Launcher



14. Run the application and ensure that everything is working as expected



Conclusions

In conclusion, exporting the framework has not involved a great amount of effort, and the benefits in portability of the software are crystal clear. However, we have had to learn this from the external sources mentioned in the bibliography due to the lack of explanations on this topic in the course slides.

Bibliography

Importing and Exporting Projects as JAR Files. (s. f.). University at Albany. Fetched on May 27, 2022, at <https://www.albany.edu/faculty/jmower/geog/gog692/ImportExportJARFiles.htm>