Subject: Re: Interest in a Mavenised form of the code?
Posted by mjw99 on Thu, 08 Feb 2024 14:16:15 GMT
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Dear Thomas,

I have recently been investigating JPackage[1] as a tool for creating platform dependent installers of Java programs. It first appeared in Java 15 (I think) and I have been using it in the LTS JDK 17. I have also found a Maven plugin for this [2] and have managed to apply it to a branch of my DataWarrior Maven fork[3].

An aspect of JPackage is that it can only build binary installers on the platform that it is executed on. Hence I have three different containers in my GitHub actions config for each platform[4]. The upshot is that these each build an installer[5] and this final binary installer is deposited as an artifact[5], which can be downloaded. This entire process is triggered every time one commits to the repository.

Further tuning of icons and file associations can also be done with JPackage[6,7]. I have tested Windows and Linux and it seems to work. I've not tested Mac yet, since I do not have access to one.

This needs a bit more optimisation at the moment, but I thought I would share this with you and please let me know what you think of this.

Thanks,

Mark

[1] https://docs.oracle.com/en/java/javase/19/jpackage/packaging -overview.html#GUID-C1027043-587D-418D-8188-EF8F44A4C06A

[2] https://github.panteleyev.org/jpackage-maven-plugin/

[3] https://github.com/mjw99/datawarrior/tree/jpackage

[4] https://github.com/mjw99/datawarrior/blob/1c459a7b23c69fbe1d e6c3fa112c081bd9e91ed1/.github/workflows/maven.yml#L14

[5] https://github.com/mjw99/datawarrior/actions/runs/7829134115

[6] https://github.com/mjw99/datawarrior/blob/1c459a7b23c69fbe1d e6c3fa112c081bd9e91ed1/pom.xml#L295

[7] https://github.com/mjw99/datawarrior/tree/jpackage/src/main/ resources/jpackage