

best practices - deployment of aggregate JARs produced by the assembly plug-in

javz

We need a way to deploy aggregate JARs produced by the assembly plug-in. Some things to consider:

- 1) A new POM will need to be created to reflect the contents of the aggregate JAR
- 2) Do we want a standard name or classifier for these aggregate JARs, one standard name might not be enough as different assemblies for the same project might contain slightly different things.
- 3) Do we want assemblies like this to be in their own builds? Right now the J2EE JAR in the Geronimo build is like this whereas the assembly for the embedder is part of the embedder build. Would separating the build make it easier to deploy? Maybe.

brett

if this is done with a classifier or just a change in extension, then it would complicate the system to create a new POM.

Is anything in the POM changed other than the dependencies?

If it is just that, I'd like to enhance the current feature in the artifact handler that blocks transitive dependencies to become a filter out dependencies included in the archive but keep the rest as transitive. This could be information built into the JAR?

javz

We are going to have to do some legwork at the front-end or at the back-end. I think making a POM that actually represents what's in the JAR is a more simple approach and less confusing to users. If you looked at the POM for the embedder all-in-one JAR you wouldn't expect any dependencies. I think this would also more closely match the way someone not building with Maven would approach the situation: they would simply make JAR which aggregate anything desired and then create a POM to match. I don't think trying to use the same POM really makes sense here. I would say do the leg work up front and let people use the artifact as a simple JAR dependency.

We also have the information at hand in the assembly descriptor to accurately make the POM up front. What if the assembly wasn't a complete closure of all dependencies? Then the artifact handler gets even more complicated, or we're hunting around in JAR for special hinting.

javz

We have agreed on the mailing list that when new artifacts are created that a new POM will be created to accompany it.

[JIRA reference](#)