

## Using Hibernate 3 In Exo-Platform-Express Edition

In SpagoBI the persistence layer for metadata is implemented using hibernate 3.0 ORM technology.

There is a problem with exo-platform express edition because the exo-platform is built around hibernate version 2.0.

The jars of hibernate 2 are deployed on <EXO-TOMCAT-HOME>\common\lib. This doesn't cause problems to hibernate itself because hibernate 3 uses different package scheme than hibernate 2 so there is no conflict if we put hibernate 3 core classes in the directory \WEB-INF\lib of the jars that we deploy on exo.

The problems are in the hibernate dependencies. In fact hibernate 2 and hibernate 3 use different version of cglib and asm packages for dynamic proxies generation.

This problem is removing the files:

- asm-1.4.1.jar ( original from exo-platform express distribution )
- asm-util-1.4.1.jar ( original from exo-platform express distribution )
- cglib-full-2.0.1.jar ( original from exo-platform express distribution )

and substitute with these:

- asm.jar ( from hibernate 3.05 distribution )
- asm-attrs.jar ( from hibernate 3.05 distribution )
- cglib-2.1.jar ( from hibernate 3.05 distribution )

This seems to work well. Exo works and applications can use hibernate 3 without problems.