Building Obfuscated WACS JAR

for External Distribution

October 20, 2010

This document describes how to build a version of the WACS project for distribution to external entities. To protect JHU/APL intellectual property, distributed versions of the Swarm library must be obfuscated.

# Building

1. Copy the WACS\_Swarm.jar file from ../WACS\_Swarm/dist into the same directory as this document.
2. Open the copied WACS\_Swarm.jar file in a zip file reader program and delete the *edu\jhuapl\nstd\swarm\player* directory and overwrite WACS\_Swarm.jar with the modified version. Note: Do not overwrite the swarm.jar file with new version because the version in this directory is a modified version that has problematic classes removed.
3. Run .\proguard4.5.1\bin\proguardgui.bat file.
4. Click the *Load Configuration* button.
5. Load the *configuration.pro* file, which is in the same directory as this document.
6. Click the *Process* button in the left column of the ProGuard window.
7. Click the *Process!* Button on the bottom right of the ProGuard window.

This will create a new file, WACS\_Distributable.jar, in the same directory as this document.

# Running

To run the WACS Agent, execute the *run\_agent.bat* file.

The obfuscated version of the WACS Display does not currently work.

# Distributing

The following files/directories must be distributed together:

* config (directory)
* dted\_data (directory)
* images (directory)
* AETNAServiceInterface.jar (optional)
* comm.jar
* javax.comm.properties
* junit-4.1.jar
* swingx.jar
* WACS\_Distributable.jar
* Any DLLs required for whichever sensors will be used