

Java Update Problem

Since the recent Java update to version 8. 0.45, the blocking of unsigned applets has caused issues with sound on the SDR if your browser still uses Java for the sound and waterfall.

This is not relevant for browsers that use HTML5 audio and HTML5 for the waterfall (Chrome / Firefox etc).

The following information will allow listeners to use Java 8.0.45 with the HackGreen and most probably other Websdrs.

You will need to add a single line to the Java policy to allow the connection to each SDR you are having problems with).

Locate the **java.policy** file in the Java install folder and edit it with Notepad or a similar text editor.

For **32 Bit** versions of Windows, the file is located in
C:\Program Files\Java\jre1.8.0_45\lib\security

For **64 Bit** windows, the file is located in
C:\Program Files (x86)\Java\jre1.8.0_45\lib\security

Locate the following section in the '**java.policy**' file and add the lines marked in red text, NOTE. This is for the two SDR's at Hackgreensdr.org.

```
grant {
// Allows any thread to stop itself using the java.lang.Thread.stop()
// method that takes no argument.
// Note that this permission is granted by default only to remain
// backwards compatible.
// It is strongly recommended that you either remove this permission
// from this policy file or further restrict it to code sources
// that you specify, because Thread.stop() is potentially unsafe.
// See the API specification of java.lang.Thread.stop() for more
// information.
permission java.lang.RuntimePermission "stopThread";
// allows anyone to listen on dynamic ports
permission java.net.SocketPermission "localhost:0", "listen";

// allow HackGreenSDR
permission java.net.SocketPermission "hackgreensdr.org:8902", "connect,resolve";
permission java.net.SocketPermission "hackgreensdr.org:8901", "connect,resolve";

// "standard" properties that can be read by anyone
permission java.util.PropertyPermission "java.version", "read";
```

Save the file and try again

If you want to allow other SDR's, then add additional lines with the SDR URL and port number thus :-

```
// allow WhateverSDR
permission java.net.SocketPermission "WEBSDRURL:WEBSDRPORT", "connect,resolve";
```