OAS, Configure log4j for Connector Logging

Necessary Steps to Configure the log4j.properties File

CollegeSource recommends using the **log4j.properties** file instead of the **log4j.xml** file due to it's simplified format. **NOTE: Either file may be used.**

*The configuration steps for the **log4j.xml** file are on the* OAS, Steps for log4j.xml Configuration *page.*

> ✅ **Permissions on Files and Directories**
>
> The Operating System owner (i.e., executor) of the OAS java process must have the following permissions:
>
> - Execute and Read permission for all directories in the fullpath to the **log4j.properties** file
> - Execute, Write, and Read permission for all directories in the fullpath to the **ceg4.log** file

Configuring log4j

1. Create Directories

> ⚠️ The **log4j.properties** file and **ceg4.log** file must reside in different directories.

   a. Create directory for the log4j.properties file
   b. Create directory for the ceg4.log file
2. Download log4j.properties
3. Copy the log4j.properites to the desired directory
4. Edit log4j.properties with a text editor
5. Revise **log4j.appender.fileout.File** lines
   a. Comment the line that contains **java.io.tmpdir** to look like the following:

   ```
   #log4j.appender.fileout.File=${java.io.tmpdir}ceg4.log
   ```

   b. Uncomment the line that contains **directoryxy** and replace **directoryxy** with the directory you created above in **step 1.a**.

   ```
   log4j.appender.fileout.File=/your/new/dir/ceg4.log
   ```

6. Save your changes

> ⚠️ **java.io.tmpdir**
>
> **Java guarantees a temporary directory** that is **identified by the java.io.tmpdir** System property. Many java runtimes default this location to the Linux **/tmp** or Windows **C:\TEMP** directory, however **OAS does NOT**.
> For this reason, CollegeSource recommends following Step 5 above to ensure the ceg4.log is created in a known directory of your choosing.