

# 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 its 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.properties 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.