
Subject: Re: IDL Java Bridge and bio-format
Posted by [biophys](#) on Tue, 01 Oct 2013 00:03:47 GMT
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A bit more details for you guys to reproduce the error.

1. visit Bio-format website

<http://www.openmicroscopy.org/site/products/bio-formats>

2. download the loci_tools.jar file and save to path\to\myjava\.

http://cvs.openmicroscopy.org.uk/snapshots/bioformats/4.4.8/loci_tools.jar

or

<http://hudson.openmicroscopy.org.uk/job/BIOFORMATS-daily/las>

tSuccessfulBuild/artifact/artifacts/loci_tools.jar

3. download the ij_read_bio_formats.pro from Karsten Rodenacker's IDL Goodies

http://www.helmholtz-muenchen.de/ibb/homepage/karsten.rodenacker/IDL/_pro/ij_read_bio_formats.pro

cker/IDL/_pro/ij_read_bio_formats.pro

4. modify ij_read_bio_formats.pro, insert SETENV right before objnew() like,

```
SETENV, 'IDLJAVAB_CONFIG=path\to\myjava\idljavabrc'
```

```
m = obj_new('IDLJavaObject$LOCI_FORMATS_IMAGEREADER','loci.formats.ImageReader')
```

5. copy idljavabrc from IDL82\resource\bridges\import\java to path\to\myjava\.

6. modify path\to\myjava\idljavabrc

```
JVM Classpath = path\to\myjava\loci_tools.jar;C:\Program
```

```
Files\Exelis\IDL82\resource\bridges\import\java\jbexamples.jar
```

also for logging

```
Log Location = path/to/myjava/LOG/
```

```
Bridge Logging = CONFIGFINE
```

7. copy the following and save as demo.pro

```
fn='path\to\data\test.tif'
```

```
a = ij_read_bio_formats(fn, info, /verbose, /raw)
```

```
help, info /str
```

```
end
```

8. start/restart idl workbench and run demo.pro, check error msgs and maybe logging info look like path\to\myjava\LOG\jb_logXXXXX.txt

That's it. The test.tif can be loaded into ImageJ with the same loci_tools.jar with any problem. I also tried jvm server from the ImageJ distro, same issue. Thank you so much for reading this.

On Monday, September 30, 2013 2:17:53 PM UTC-7, bio...@gmail.com wrote:

> Hi, Folks

>

>

>

> I have been trying to use bio-format via java bridge with IDL 8.2.3 under 64bit windows 7. And I am getting "Exception thrown java.lang.NullPointerException" during objnew() call to create the loci.format.ImageReader class. I also tried to enable logging and only get the following

>

>

>

> #####jb_log15000.txt#####

>

> IDL-Java Bridge : May 3 2013 01:45:38

>

> Log Location : C:/Users/bp/idl_source/lab/bioformat/java/LOG/

>

> Bridge Logging : CONFIGFINE

>

> Config file : C:\Users\bp\idl_source\lab\bioformat\java\idljavabrc

>

> Exit Strategy : <null>

>

> Restart Bridge : FALSE

>

> EXCEPTION cJBExceptJavaException : NewObjectA

>

> ERR <IDL_JBCreateJavaObject return=0000000000000000

>

>

>

>

>

> The bio-format distribution of both 4.4.8 and 4.4.9 worked perfectly in ImageJ(Fiji). So I guess the problem is most likely the java bridge. But I don't know how to pursue further at this point. Any suggestions is highly appreciated!

>

>

>

> Thank you,

>

> BP