Subject: Re: IDL java bridge
Posted by Melissa A. Jackson on Fri, 12 Sep 2003 20:18:21 GMT
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It appears on linux there is a problem with the IDL-Java bridge using jar
files created with ZIP compression. The IDL-Java bridge works fine with ZIP
compressed Jar files on Mac OS X, Solaris Sparc 8, and Windows 2000.

I have logged an issue here at RSI for development to look into the problem.

For now the workaround is:
Unjar the file
or
Build the jar file without ZIP compression(use the 0 flag). The
jbexamples.jar file provided in the distribution that works on linux was
built with the following command:
jar cf0

-Melissa Jackson
Research Systems, Inc.

"Nigel Wade" <nmw@ion.le.ac.uk> wrote in message
news:bjq126ibt1@south.jnrs.ja.net...
> Has anyone used the IDL java bridge on Linux to access classes in a jar
> file?
>
> I'm trying to access a class in one of my jar files, but I keep getting an
> error message in the /tmp/jb_whatever file which says the jar file doesn't
> exist.
>
> The CLASSPATH I have set which points to the jar works fine for a pure
Java
> application so CLASSPATH is correct as far as Java is concerned. Does
> anyone know how IDL locates jar files?
>
>
> This is my CLASSPATH:
> .:/home/nigel/Spear/Java/fitData.jar
>
> this is the attempt to create the Java object:
>
> IDL> fitReader = OBJ_NEW('IDLJavaObject$FITDATA_FITFILEREADER',
> 'fitData.FitFileReader', '2003022616f.fit.gz')
> % Class fitData.FitFileReader not found
> % Execution halted at: $MAIN$
>
> and this is the resulting error message:
> /home/nigel/Spear/Java/fitData.jar: No such file or directory

>
> and checking the file really exists:
>
> $ls -l /home/nigel/Spear/Java/fitData.jar
> -rw-rw-r--   1 nigel   nigel   14979 Aug 5 17:41
> /home/nigel/Spear/Java/fitData.jar
>
> --
> Nigel Wade, System Administrator, Space Plasma Physics Group,
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Subject: Re: IDL java bridge
Posted by Nigel Wade on Mon, 15 Sep 2003 13:57:07 GMT

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Melissa A. Jackson wrote:

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> built with the following command:
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> -Melissa Jackson
> Research Systems, Inc.
>

Ok, thanks. Now I can access the jar file. It was the error message that
threw me as it doesn't in any way indicate what the error might be.

Do you think this is related to why I can't create a Java object of type
GZIPInputStream? When I try to do this an exception is thown and the log
file contains:

EXCEPTION cJBExceptJavaException : NewObjectA

ERR <IDL_JBCreateJavaObject return=(nil)
0x821c618 IDL_JBDeleteCharBuffer Del

--
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