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Subject: IDL 7 on Ubuntu

Posted by [Haje Korth](#) on Thu, 20 Dec 2007 13:24:06 GMT

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Hi,

I have installed IDL 7 on an Ubuntu 7.10 virtual machine running in parallels on my Mac. While the command line version runs just fine, the DE unfortunately crashes. I need to sort out whether this is a VM issue or an Ubuntu problem. So, question here: Does anyone have experience with running IDL 7 on Ubuntu 7.10? Are there issues? Does it work?

The error message is attached below. Especially the line "Can't load IA 32-bit .so on a IA 32-bit platform" sounds absurd.

Haje

Configuration info

IDL : /usr/local/itt/idl70/idlde/./bin/bin.linux.x86 (Use default IDL)

BML : /usr/local/itt/idl70/idlde/bin.linux.x86 (Use default IDL)

DML : /usr/local/itt/idl70/idlde/bin.linux.x86 (Use default IDL)

JDML: /usr/local/itt/idl70/idlde/bin.linux.x86 (Use default IDL)

com.rsi.jdml.LibraryLoadException: Failed to load idl\_jdml from  
/usr/local/itt/idl70/idlde/bin.linux.x86

at

com.rsi.jdml.PlatformSupport.loadNeededLibrary(PlatformSupport.java:170)

at com.rsi.jdml.PlatformSupport.loadLibraries(PlatformSupport.java:371)

at com.rsi.jdml.DMLAccess.initializeDML(DMLAccess.java:178)

at

com.rsi.idl.core.IDLProcessManager.initializeDML(IDLProcessManager.java:236)

at

com.rsi.idl.core.IDLProcessManager.createIDLProcess(IDLProcessManager.java:105)

at

com.rsi.idl.core.IDLDTCorePlugin\$PostCoreBundleStartJob.run(IDLDTCorePlugin.java:242)

at org.eclipse.core.internal.jobs.Worker.run(Worker.java:55)

Caused by: java.lang.UnsatisfiedLinkError:  
/usr/local/itt/idl70/idlde/bin.linux.x86/libidl\_jdml.so: Can't load IA  
32-bit .so on a IA 32-bit platform

at java.lang.ClassLoader\$NativeLibrary.load(Native Method)

at java.lang.ClassLoader.loadLibrary0(ClassLoader.java:1751)

at java.lang.ClassLoader.loadLibrary(ClassLoader.java:1647)

at java.lang.Runtime.load0(Runtime.java:769)

at java.lang.System.load(System.java:968)

at  
com.rsi.jdml.PlatformSupport.loadExplicitLibrary(PlatformSupport.java:127)

at  
com.rsi.jdml.PlatformSupport.loadNeededLibrary(PlatformSupport.java:161)

... 6 more

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Subject: Re: IDL 7 on Ubuntu  
Posted by [Haje Korth](#) on Thu, 20 Dec 2007 20:12:22 GMT  
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Alright, Doug solved this one. If you do the default install of Ubuntu 7.10, library libstdc++.so.5 is not installed. You need to use the package manager to install it separately. Now it works just fine!

Thanks to ITTVIS,  
Haje

"Haje Korth" <haje.korth@nospam.jhuapl.edu> wrote in message  
news:fkdqdm\$64r\$1@aplnetnews.jhuapl.edu...

> Hi,  
> I have installed IDL 7 on an Ubuntu 7.10 virtual machine running in  
> parallels on my Mac. While the command line version runs just fine, the  
> DE unfortunately crashes. I need to sort out whether this is a VM issue  
> or an Ubuntu problem. So, question here: Does anyone have experience with  
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```

>
> Haje
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>   JDML: /usr/local/itt/idl70/idlde/bin.linux.x86 (Use default IDL)
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> com.rsi.jdml.LibraryLoadException: Failed to load idl_jdml from
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>   com.rsi.idldt.core.IDLProcessManager.initializeDML(IDLProcessManager.java:236)
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>   at
>   com.rsi.idldt.core.IDLProcessManager.createIDLProcess(IDLProcessManager.java:105)
>
>   at
>   com.rsi.idldt.core.IDLDTCorePlugin$PostCoreBundleStartJob.run(IDLDTCorePlugin.java:242)
>
>   at org.eclipse.core.internal.jobs.Worker.run(Worker.java:55)
>
> Caused by: java.lang.UnsatisfiedLinkError:
> /usr/local/itt/idl70/idlde/bin.linux.x86/libidl_jdml.so: Can't load IA
> 32-bit .so on a IA 32-bit platform
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>   at java.lang.ClassLoader$NativeLibrary.load(Native Method)
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```
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> com.rsi.jdml.PlatformSupport.loadNeededLibrary(PlatformSupport.java:161)
>
> ... 6 more
>
>
```

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Subject: Re: IDL 7 on Ubuntu  
Posted by [Rick Towler](#) on Thu, 20 Dec 2007 23:19:35 GMT  
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Thanks Haje (and Doug).

I'm sure you saved me (and many others) a bunch of head scratching.

Now I'll get to use it until NOAA implements the Federal Desktop Core Configuration which will ban all "unauthorized" operating systems from the network (I believe using NAP) which includes just about all linux distros, Windows 2000, and even OS X. Don't worry, Vista gets the thumbs up. Microsoft worked closely with NIST in developing the FDCC. Funny how that works out.

Not to wander OT, but I'm curious. Any other federal types know of the impending changes? (I don't think this is just DOC.) It hasn't been talked about much outside of IT and management here.

-r

Haje Korth wrote:

```
> Alright, Doug solved this one. If you do the default install of Ubuntu 7.10,
> library libstdc++.so.5 is not installed. You need to use the package manager
> to install it separately. Now it works just fine!
>
> Thanks to ITTVIS,
> Haje
>
>
> "Haje Korth" <haje.korth@nospam.jhuapl.edu> wrote in message
```

```
> news:fkdqdm$64r$1@aplnetnews.jhuapl.edu...
>> Hi,
>> I have installed IDL 7 on an Ubuntu 7.10 virtual machine running in
>> parallels on my Mac. While the command line version runs just fine, the
>> DE unfortunately crashes. I need to sort out whether this is a VM issue
>> or an Ubuntu problem. So, question here: Does anyone have experience with
>> running IDL 7 on Ubuntu 7.10? Are there issues? Does it work?
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>> IDL : /usr/local/itt/idl70/idlde/./bin/bin.linux.x86 (Use default
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>> com.rsi.idltd.core.IDLDTCorePlugin$PostCoreBundleStartJob.run
>> (IDLDTCorePlugin.java:242)
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```

```
>> at org.eclipse.core.internal.jobs.Worker.run(Worker.java:55)
>>
>> Caused by: java.lang.UnsatisfiedLinkError:
>> /usr/local/itt/idl70/idlde/bin.linux.x86/libidl_jdml.so: Can't load IA
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>> ... 6 more
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>>
>
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```

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Subject: Re: IDL 7 on Ubuntu  
Posted by [pgrigis](#) on Thu, 20 Dec 2007 23:48:34 GMT  
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Rick Towler wrote:

```
> Thanks Haje (and Doug).
>
> I'm sure you saved me (and many others) a bunch of head scratching.
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> Now I'll get to use it until NOAA implements the Federal Desktop Core
> Configuration which will ban all "unauthorized" operating systems from
> the network (I believe using NAP) which includes just about all linux
> distros, Windows 2000, and even OS X. Don't worry, Vista gets the
> thumbs up. Microsoft worked closely with NIST in developing the FDCC.
> Funny how that works out.
```

I wonder if this is the kind of ideas that comes from the Department  
of  
Homemade Security (DHS)... you'd better start to think how to smuggle

an apple laptop into your office ;-)

Ciao,

Paolo

>  
> Not to wander OT, but I'm curious. Any other federal types know of the  
> impending changes? (I don't think this is just DOC.) It hasn't been  
> talked about much outside of IT and management here.  
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