
Subject: Re: Linux installation problems..

Posted by BLemire@ittvis.com on Mon, 23 Mar 2009 22:42:17 GMT

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Hi Jean,

Unfortunately the use of IDL is not as simple as the "installation" process. There are library issues occurring due to certain upgrades that the Operating Systems are making that have not been implemented in the IDL distribution yet. That is one of the issues. If you type "arch" at the command line what do you get?

This is being fixed for the upcoming release, but for now you have to define the arch variable as described in the post you linked above. This will ensure that you are running both the 32 and 64-bit versions of IDL.

What happens if you run "./idl" from the "/usr/local/itt/idl708/bin" directory?

What happens if you run "iplot" at the IDL command line (of course, only if you are able to get IDL to run:)?

Talk with you soon.

Brandon

Brandon Lemire
ITT Visual Information Systems
Technical Support Engineer
BLemire@ittvis.com

Subject: Re: Linux installation problems..

Posted by [Jean H.](#) on Tue, 24 Mar 2009 13:59:45 GMT

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BLemire@ittvis.com wrote:

> Hi Jean,

>

> Unfortunately the use of IDL is not as simple as the "installation"
> process. There are library issues occurring due to certain upgrades
> that the Operating Systems are making that have not been implemented
> in the IDL distribution yet. That is one of the issues. If you type
> "arch" at the command line what do you get?

Ok, I had nothing (command not found). I have read this command is not in used for a few years already... So, which file should I modify so

that uname is called instead? I have search for arch in the install files with no luck. The only place I have found it is in bridge_setup.bash (modified it, re-install, log out-in, still the same problem)

>
> This is being fixed for the upcoming release, but for now you have to
> define the arch variable as described in the post you linked above.
> This will ensure that you are running both the 32 and 64-bit versions
> of IDL.
>
> What happens if you run "./idl" from the "/usr/local/itt/idl708/bin"
> directory?
jean@ubuntu:/usr/local/itt/idl708/bin\$./idl
exec: 617: /usr/local/itt/idl708/bin/bin.linux.x86/idl: not found

Thanks a lot for your help!
Jean

>
> What happens if you run "ipplot" at the IDL command line (of course,
> only if you are able to get IDL to run:)?
>
> Talk with you soon.
>
> Brandon
>
> Brandon Lemire
> ITT Visual Information Systems
> Technical Support Engineer
> BLemire@ittvis.com

Subject: Re: Linux installation problems..
Posted by [Nigel Wade](#) on Tue, 24 Mar 2009 14:54:26 GMT
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Jean H. wrote:

> Hi,
>
> ok, I now have a fresh install of Ubuntu 8.10 (yes, I had a wonderful
> week-end full of recovery disks and tech support phone calls.. arg!)
>
> I downloaded the latest Envi+IDL (4.6 - 7.0.8) and installed it. I got
> no error message, just good messages. Surprisingly, the Installation
> guide talks about selecting a directory, choosing to install the license

> etc, but I had basically no choice (accept or quit). Anyways, I can see
> that all files have been copied, the links have been created. I have
> added the proper line to my .bashrc file...
>
> now, at the command line, whatever I type (idl, idlde, envi,
> ittlicense), I always get the same error:
>
> jean@ubuntu:~\$ idl
> exec: 617: /usr/local/itt/idl708/bin/bin.linux.x86/idl: not found
>
> jean@ubuntu:~\$ find /usr/local/itt/idl708/bin/bin.linux.x86/idl
> /usr/local/itt/idl708/bin/bin.linux.x86/idl
>
> funny he!
> Does anybody have any idea of what I (or ITT...) could have done wrong?
> If it helps, I am on a 64bits machine..

The above executable is the 32bit IDL. The 64bit version would be in bin.linux.x86_64. Have you installed a 32bit execution environment? (I don't use Ubuntu so I've no idea what's required for that).

Otherwise try downloading and installing 64bit IDL.

--

Nigel Wade

Subject: Re: Linux installation problems..
Posted by [JMB](#) on Tue, 24 Mar 2009 15:08:08 GMT
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Hi Jean,

I had exactly the same problem I think and I solved it using the trick mentioned here:

<https://lists.ubuntu.com/archives/ubuntu-users/2008-October/162350.html>

What I did:

Edit a one line file:

uname -m

save it as: arch

give it execution rights: chmod 755 arch

copy it to: /bin/arch not(anywhere else)

then type: idl

and:

IDL Version 7.0.8 (linux x86_64 m64). (c) 2009, ITT Visual Information
Solutions
IDL>

;-)

Hope it helps,

Jérôme

Subject: Re: Linux installation problems..
Posted by [Jean H.](#) on Tue, 24 Mar 2009 15:35:35 GMT
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JMB wrote:

> Hi Jean,
>
> I had exactly the same problem I think and I solved it using the trick
> mentioned here:
> <https://lists.ubuntu.com/archives/ubuntu-users/2008-October/162350.html>
>
> What I did:
>
> Edit a one line file:
> uname -m
>
> save it as: arch
> give it execution rights: chmod 755 arch
> copy it to: /bin/arch not(anywhere else)
> then type: idl
>
> and:
>
> IDL Version 7.0.8 (linux x86_64 m64). (c) 2009, ITT Visual Information
> Solutions
> IDL>
>
> ;-)
>
> Hope it helps,
>
> Jërôme

YESSS!!!! Thank you so much!!!

I have been fooling around this option for one hour... settings the
access rights made it work!!!! You made my day!!! merci merci merci!

Ok, now typing IDL works (it complains about the license, but that's normal.. I haven't installed it!). I can even plot things. Great.

BUT (of course), I still get the same error message if I type IDLDE
exec: 617: /usr/local/itt/idl708/bin/bin.linux.x86/idl: not found

Do you have any idea what else needs to be changed??

Jean

Subject: Re: Linux installation problems..
Posted by [Jean H.](#) on Tue, 24 Mar 2009 15:39:41 GMT
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```
>> jean@ubuntu:~$ idl
>> exec: 617: /usr/local/itt/idl708/bin/bin.linux.x86/idl: not found
>> if it helps, I am on a 64bits machine..
>
> The above executable is the 32bit IDL. The 64bit version would be in
> bin.linux.x86_64. Have you installed a 32bit execution environment? (I don't
> use Ubuntu so I've no idea what's required for that).
>
> Otherwise try downloading and installing 64bit IDL.
>
```

Hi Nigel,

hum, you bring a very good point here... I am very surprised indeed!

```
uname returns: Linux, x86_64
In IDL (with JMB trick): print, !version:
--> {x86_64 linux unix linux 7.0.8 Feb 9 2009 64 64}
```

```
at the prompt: idl -32
--> exec: 617: /usr/local/itt/idl708/bin/bin.linux.x86/idl: not found
```

weird....

Let's see what Brandon from ITTVIS says about that!!
Jean

Subject: Re: Linux installation problems..
Posted by [Nigel Wade](#) on Tue, 24 Mar 2009 16:42:25 GMT
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Jean H. wrote:

```
>
>>> jean@ubuntu:~$ idl
>>> exec: 617: /usr/local/itt/idl708/bin/bin.linux.x86/idl: not found
>>> if it helps, I am on a 64bits machine..
>>
>> The above executable is the 32bit IDL. The 64bit version would be in
>> bin.linux.x86_64. Have you installed a 32bit execution environment? (I don't
>> use Ubuntu so I've no idea what's required for that).
>>
>> Otherwise try downloading and installing 64bit IDL.
>>
>
> Hi Nigel,
>
> hum, you bring a very good point here... I am very surprised indeed!
>
> uname returns: Linux, x86_64
> In IDL (with JMB trick): print, !version:
> --> {x86_64 linux unix linux 7.0.8 Feb 9 2009 64 64}
>
> at the prompt: idl -32
> --> exec: 617: /usr/local/itt/idl708/bin/bin.linux.x86/idl: not found
>
> weird....
>
> Let's see what Brandon from ITTVIS says about that!!
> Jean
```

It looks like you've already found, and fixed, the problem here.

The problem is that the IDL startup script uses the "/bin/arch" command on "Linux" to determine the hardware architecture. Apparently Ubuntu doesn't provide that command so it tries to run the default 32bit version.

I don't know why idlde fails, idlde is the same script is idl.

--

Nigel Wade

Subject: Re: Linux installation problems..
Posted by [JMB](#) on Tue, 24 Mar 2009 16:46:15 GMT
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Hi Jean,

> BUT (of course), I still get the same error message if I type IDLDE
> exec: 617: /usr/local/itt/idl708/bin/bin.linux.x86/idl: not found

The same for me...

> Do you have any idea what else needs to be changed??

no... :-(

From what I understood, the actual script that runs to start IDL is located here by default:

/usr/local/itt/idl/bin/idl

what we did is to find a workaround so that the variable ARCH is set to .x86_64 and IDL 64bit version is run.

but there is still a problem with the 32bit IDL version that idlde is using in some way...

Regards,

Jérôme

Subject: Re: Linux installation problems..

Posted by [Foldy Lajos](#) on Tue, 24 Mar 2009 16:47:53 GMT

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On Tue, 24 Mar 2009, Nigel Wade wrote:

> It looks like you've already found, and fixed, the problem here.
>
> The problem is that the IDL startup script uses the "/bin/arch" command
> on "Linux" to determine the hardware architecture. Apparently Ubuntu doesn't
> provide that command so it tries to run the default 32bit version.
>
> I don't know why idlde fails, idlde is the same script is idl.

IMHO idlde is always 32 bit, so a lot of 32 bit system libraries are needed.

regards,
lajos

Subject: Re: Linux installation problems..

Posted by [Jean H.](#) on Tue, 24 Mar 2009 19:37:08 GMT

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JMB wrote:

```
> Hi Jean,  
>  
>> BUT (of course), I still get the same error message if I type IDLDE  
>> exec: 617: /usr/local/itt/idl708/bin/bin.linux.x86/idl: not found  
>  
> The same for me...  
>  
>> Do you have any idea what else needs to be changed??  
>  
> no... :-(  
>  
> From what I understood, the actual script that runs to start IDL is  
> located here by default:  
> /usr/local/itt/idl/bin/idl  
> what we did is to find a workaround so that the variable ARCH is set  
> to .x86_64 and IDL 64bit version is run.  
> but there is still a problem with the 32bit IDL version that idlde is  
> using in some way...  
>  
> Regards,  
>  
> Jřġ½řġ½me
```

Hum, it now automatically works (IDL and IDL -32)... strange.
I have installed a new version of Java and I don't get this error
message anymore when I type idlde ... but it still doesn't work.

In the terminal, I now get (same if I throw a -32 after):

```
jean@ubuntu:~$ idlde  
/usr/lib/gio/modules/libgioremove-volume-monitor.so: wrong ELF class:  
ELFCLASS64  
Failed to load module: /usr/lib/gio/modules/libgioremove-volume-monitor.so  
/usr/lib/gio/modules/libgiorefam.so: wrong ELF class: ELFCLASS64  
Failed to load module: /usr/lib/gio/modules/libgiorefam.so  
/usr/lib/gio/modules/libgvfsdbus.so: wrong ELF class: ELFCLASS64  
Failed to load module: /usr/lib/gio/modules/libgvfsdbus.so  
/usr/lib/gio/modules/libgiogconf.so: wrong ELF class: ELFCLASS64  
Failed to load module: /usr/lib/gio/modules/libgiogconf.so
```

all those library are there

On top of that, I have a pop-up window:

Title: idlde.linux.x86

message:

VM terminated. Exit code=13

/usr/bin/java

-Dorg.eclipse.swt.browser.XULRunnerPath=/usr/local/itt/idl70

```
8/idlde/bin.linux.x86/xulrunner-1.8.1.3
-jar
/usr/local/itt/idl708/idlde/plugins/org.eclipse.equinox.launcher_1.0.0.v20070606.jar
-os linux
-ws gtk
-arch x86
-showsplash
-launcher /usr/local/itt/idl708/idlde/idlde.linux.x86
-name Idlde.linux.x86
--launcher.library
/usr/local/itt/idl708/idlde/plugins/org.eclipse.equinox.launcher.gtk.linux.x86_1.0.0.v20070606/eclipse_1020.so
-startup
/usr/local/itt/idl708/idlde/plugins/org.eclipse.equinox.launcher_1.0.0.v20070606.jar
-exitdata 14c003d
-vm /usr/bin/java
-vmargs
-Dorg.eclipse.swt.browser.XULRunnerPath=/usr/local/itt/idl70
8/idlde/bin.linux.x86/xulrunner-1.8.1.3
-jar
/usr/local/itt/idl708/idlde/plugins/org.eclipse.equinox.launcher_1.0.0.v20070606.jar
```

I will contact ITT again and let you know here!

Jean

Subject: Re: Linux installation problems..
Posted by [Giorgio](#) on Wed, 25 Mar 2009 07:45:24 GMT
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Hi,
Idl workbench (idlde) uses the 32 libraries and not 64. To install them type: `sudo apt-get install ia32-libs`
This should allow to run idlde. Then you need to install the patch to avoid any interference with firefox: <http://www.ittvis.com/services/techtip.asp?ttid=4395>
Then to install the license use this tech-tip:
<http://www.ittvis.com/services/techtip.asp?ttid=4248>

Tell me if it works.

Giorgio

Subject: Re: Linux installation problems..
Posted by [Jean H.](#) on Wed, 25 Mar 2009 15:17:30 GMT
[View Forum Message](#) <> [Reply to Message](#)

Giorgio wrote:

- > Hi,
- > Idl workbench (idlde) uses the 32 libraries and not 64. To install
- > them type: `sudo apt-get install ia32-libs`
- > This should allow to run idlde. Then you need to install the patch to
- > avoid any interference with firefox: <http://www.ittvis.com/services/techtip.asp?ttid=4395>
- > Then to install the license use this tech-tip:
- > <http://www.ittvis.com/services/techtip.asp?ttid=4248>
- >
- > Tell me if it works.
- >
- > Giorgio

Thanks Giorgio,

indeed, it was not a 32 bits problem, but another 64 bit library problem, I will write a clean post with all the details, so it's easier to read!

Jean

Subject: Re: Linux installation problems..

Posted by [matteo86bo](#) on Sat, 02 May 2009 13:26:45 GMT

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-
- > Edit a one line file:
 - > `uname -m`
 - >
 - > save it as: arch
 - > give it execution rights: `chmod 755 arch`
 - > copy it to: `/bin/arch` not(anywhere else)
 - > then type: `idl`
 - >

when i write "uname -m" it writes "x86_64",
i copy this text and save it as arch
then I do the thing that you said but ...
typing idl makes the computer going crazy!
I wait for 5 minutes but nothing happens, not even an error
message
help?

Subject: Re: Linux installation problems..

Posted by [veenu3894](#) on Tue, 27 Jun 2017 13:00:12 GMT

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will this work for any version of idl?
