

---

Subject: Re: Linux installation problems.. - Solution  
Posted by [Jean H.](#) on Wed, 25 Mar 2009 15:41:17 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hello all,

ok, here is the solution that worked, for my case.  
Thank you to everybody that brought a piece to this solution! It is indeed much appreciated! (Brandon, Fernando, JMB, Giorgio, Nigel, Foldy and a few unnamed Linux posters)

So, the problem was that IDL 7.0.8 + ENVI 4.6.1 would not work on a Linux box, with a 64 bits processor, running a fresh install of Ubuntu 8.10. The installation seems to be good, but if I type "IDL" in the terminal, I get a nice error message:  
exec: 617: /usr/local/itt/idl708/bin/bin.linux.x86/idl: not found  
while the file do exist.

When looking for help online, you will find some comments about XULRunner. Do not worry, this problem has been fixed in this version.

The first problem is that the IDL run-time script relies on a function that has been removed from Linux several years ago.

To fix it: create a file on your desktop, name it "arch" (without the quotation marks.. this is valid for all quotations until the end of this post). Edit it and write "uname -m" in it. Open a terminal, you should be on your desktop by default. type "chmod 755 arch". Then, type "sudo cp arch /bin/", which will copy this file to /bin/arch . Exit.

Type IDL and it should work!

Ok, now, let's try to load the graphical interface (the whole idea of the Workbench was to have a nice GUI under linux... so let's use it!)

Open the terminal, type "IDLDE"... ahhhh, same error message!!!  
Do you have Java? The workbench, that runs Eclipse, is Java based... it might help to have it installed! Open the Synaptic Package Manager. Type "java". Be sure to have sun-java6-bin (java5 should also work... I have both), AND also ia32-sun-java6-bin, AND sun-java6-jre (I would not put my hand in the fire that the 3 are required, but it works with them!). Why bothering with the 32 bit version? well, IDL is 64 bits compatible, but Eclipse is 32 bits... and we need to launch Eclipse first!

Ok, reboot your computer.  
Open the terminal, type "IDLDE"... aaahhh, it doesn't tells me that IDL doesn't exist, great, but it still doesn't work! It tells me, on the

terminal, that the /gio/ library has a problem, and I get a pop-up windows with lots of other error and messages that a Martian would understand better.

Ok, the first problem is an easy one... rename /usr/lib/gio/ to anything else, like /usr/lib/gio\_backup/ (you must be sudo to do it)

From an ITTVIS Engineer, it appears that this library is not used, but no ones understand why it is being called... I hope no other software uses it! Otherwise, just leave it with its original name and discard the error message that will appear each time your start IDLDE!

Now, the second problem is a tad more complex. To solve it, I had to un-install several java related packages. Again, I can be sure that all the following packages need to be removed, but it worked in my case. So, open the Synaptic Package Manager and remove

- default-jre
- open-jdk
- cacao
- icedtea

Of course, remove the similar entries, like default-jre and default-jre-headless.

Type in "IDLDE" in the terminal and... hourra, it is working!!!!

Good luck for your installation!

Jean

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..  
>  
> I came across this link  
> <https://lists.ubuntu.com/archives/ubuntu-users/2008-October/162350.html>  
> which talk about a(nother) assumption from ITTVIS... though I can figure  
> which script should be updated!  
>  
> Ah, and another thing... though I am not sure if it is abnormal or not  
> at this stage: echo \$IDL\_PATH returns a blank line...  
> though echo \$IDL\_DIR returns the proper path ( /usr/local/itt/idl708 ),  
> which shows that the .bashrc configuration went well  
>  
> Thanks a lot,  
> Jean

---

---

Subject: Re: Linux installation problems.. - Solution  
Posted by [BLemire@ittvis.com](mailto:BLemire@ittvis.com) on Wed, 25 Mar 2009 22:13:08 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Jean,

Thanks for providing the results of your installation process for all to benefit from. Information is on the way shortly to help streamline the installation process on a variety of linux flavors to ensure that the proper libraries and JRE packages are available for IDL and the Workbench.

The GIO modules make up the input, output and streaming API of glib library. It has been reported in many Ubuntu forums as problematic with a variety of applications. Based on the information in this bug dialog it appears that Ubuntu did not name the lib directories in a manner that would accommodate 32-bit and 64-bit libraries for software that is not built specifically using their paradigm. I hope this helps.

Best Regards,

Brandon  
ITT Visual Information Systems  
Technical Support Engineer  
[blemire@ittvis.com](mailto:blemire@ittvis.com)

