

---

Subject: Re: Problems with reading images  
Posted by [Jean\[2\]](#) on Wed, 23 Feb 2011 18:52:24 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Feb 23, 11:50 am, Ding <gardener\_2...@hotmail.com> wrote:

> Hi everyone,  
>  
> I used two procedures, 'read\_jpeg.pro' and 'read\_png.pro', both of  
> them worked well. After a disruption (in dead loop), I closed the  
> terminal and resulted in fault. After I restarted another session, it  
> complaint my procedures  
>  
> IDL> read\_jpeg,'img1.jpg',img1  
> % Attempt to call undefined procedure/function: 'READ\_JPEG'.  
> IDL> tmp=read\_png('img.png')  
> % Compiled module: READ\_PNG.  
> % Attempt to call undefined procedure/function: 'READ\_PNG'.  
>  
> Any one knows what might be the problem? they both worked well before  
> the fault.  
>  
> Cheers  
>  
> Ding Yuan  
> CFSA, Physics  
> Warwick University

Are you sure they are in the path. Sometimes I make the mistake of starting my IDL session and forget to cd to the location where the procedures are defined. Starting idl from this folder does it automatically.

Jean

---

---

Subject: Re: Problems with reading images  
Posted by [Ding](#) on Wed, 23 Feb 2011 19:27:43 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Feb 23, 6:52 pm, Jean <jeanbilh...@gmail.com> wrote:

> On Feb 23, 11:50 am, Ding <gardener\_2...@hotmail.com> wrote:  
>  
>  
>  
>> Hi everyone,  
>  
>> I used two procedures, 'read\_jpeg.pro' and 'read\_png.pro', both of  
>> them worked well. After a disruption (in dead loop), I closed the

>> terminal and resulted in fault. After I restarted another session, it  
>> complaint my procedures  
>  
>> IDL> read\_jpeg,'img1.jpg',img1  
>> % Attempt to call undefined procedure/function: 'READ\_JPEG'.  
>> IDL> tmp=read\_png('img.png')  
>> % Compiled module: READ\_PNG.  
>> % Attempt to call undefined procedure/function: 'READ\_PNG'.  
>  
>> Any one knows what might be the problem? they both worked well before  
>> the fault.  
>  
>> Cheers  
>  
>> Ding Yuan  
>> CFSA, Physics  
>> Warwick University  
>  
> Are you sure they are in the path. Sometimes I make the mistake of  
> starting my IDL session and forget to cd to the location where the  
> procedures are defined. Starting idl from this folder does it  
> automatically.  
>  
> Jean

I am quit sure, I include the all the libraries and working  
directories in the start up routine

---

---

Subject: Re: Problems with reading images  
Posted by [Ammar Yusuf](#) on Wed, 23 Feb 2011 20:15:38 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Feb 23, 11:50 am, Ding <gardener\_2...@hotmail.com> wrote:  
> Hi everyone,  
>  
> I used two procedures, 'read\_jpeg.pro' and 'read\_png.pro', both of  
> them worked well. After a disruption (in dead loop), I closed the  
> terminal and resulted in fault. After I restarted another session, it  
> complaint my procedures  
>  
> IDL> read\_jpeg,'img1.jpg',img1  
> % Attempt to call undefined procedure/function: 'READ\_JPEG'.  
> IDL> tmp=read\_png('img.png')  
> % Compiled module: READ\_PNG.  
> % Attempt to call undefined procedure/function: 'READ\_PNG'.  
>  
> Any one knows what might be the problem? they both worked well before

> the fault.  
>  
> Cheers  
>  
> Ding Yuan  
> CFSA, Physics  
> Warwick University

I would try opening those functions up and compiling them and then try calling them again. Hope that helps and works. Thanks.

---

---

Subject: Re: Problems with reading images  
Posted by [penteado](#) on Wed, 23 Feb 2011 20:24:01 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Feb 23, 4:27 pm, Ding <gardener\_2...@hotmail.com> wrote:

> I am quit sure, I include the all the libraries and working  
> directories in the start up routine

Are you sure you were using 'read\_jpeg.pro' and 'read\_png.pro'? Also, the way you were calling read\_png was as a function, not a procedure.

IDL's read\_png() and read\_jpeg do not come (anymore, at least) as .pro files. They are DLMs. If you are trying to use them, the relevant path is the DLM search path, and it should include IDL's default path.

What is the result of

```
print,!dlm_path
```

?

What you pasted above indicates that IDL found and compiled a read\_png.pro, which could be the obsolete file idl/idl80/lib/obsolete/read\_png.pro, which contains a procedure, not a function. That would be the reason IDL then complains it did not find a function called read\_png.

---

---

Subject: Re: Problems with reading images  
Posted by [wlandsman](#) on Wed, 23 Feb 2011 20:26:29 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Wednesday, February 23, 2011 11:50:06 AM UTC-5, Ding wrote:

> Hi everyone,  
>

> I used two procedures, 'read\_jpeg.pro' and 'read\_png.pro', both of  
> them worked well.

READ\_JPEG and READ\_PNG are not writing in IDL but are DLMs which should be automatically linked when starting IDL. (Actually there is a file read\_png.pro but it is obsolete, and only used to call READ\_PNG as a procedure rather than a function. That is why you got my favorite headscratching IDL error message:

```
% Compiled module: READ_PNG.  
% Attempt to call undefined procedure/function: 'READ_PNG'.
```

Unfortunately, I'm not sure why you aren't automatically linking to the DLMs. You might tell us your IDL version and machine. Also, is it possible you are using a different IDL version now?  
--Wayne

---

Subject: Re: Problems with reading images  
Posted by [Ding](#) on Wed, 23 Feb 2011 22:24:26 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Feb 23, 8:24 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:  
> On Feb 23, 4:27 pm, Ding <gardener\_2...@hotmail.com> wrote:  
>  
>> I am quit sure, I include the all the libraries and working  
>> directories in the start up routine  
>  
> Are you sure you were using 'read\_jpeg.pro' and 'read\_png.pro'? Also,  
> the way you were calling read\_png was as a function, not a procedure.  
>  
> IDL's read\_png() and read\_jpeg do not come (anymore, at least) as .pro  
> files. They are DLMs. If you are trying to use them, the relevant path  
> is the DLM search path, and it should include IDL's default path.  
>  
> What is the result of  
>  
> print,!dln\_path  
>  
> ?  
>  
> What you pasted above indicates that IDL found and compiled a  
> read\_png.pro, which could be the obsolete file idl/idl80/lib/obsolete/  
> read\_png.pro, which contains a procedure, not a function. That would  
> be the reason IDL then complains it did not find a function called  
> read\_png.

You are correct, I overwrite the !DLM\_PATH, without including the <IDL\_DEFAULT>. I should restore it, somehow, possibly copy from my colleagues

Cheers

Ding Yuan

---

---

Subject: Re: Problems with reading images

Posted by [penteado](#) on Wed, 23 Feb 2011 22:40:54 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On Feb 23, 7:24 pm, Ding <gardener\_2...@hotmail.com> wrote:

> You are correct, I overwrite the !DLM\_PATH, without including the  
> <IDL\_DEFAULT>. I should restore it, somehow, possibly copy from my  
> colleagues

If all you are missing is IDL's library path, you only need to add  
<IDL\_DEFAULT>.

---