
Subject: IDL_PATH problems

Posted by [Bernhard Reinhardt](#) on Mon, 09 Nov 2009 15:51:40 GMT

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Hi everyone,

I just came across a weird problem: I normally use the idlde but now I want to run a program on the console.

I ran the program but encountered an error when IDL couldn't locate one of David's routines "undefine" which resides in my library-folder. I found out that the IDL_PATH was not set.

So I set the IDL_PATH accordingly.

My IDL_PATH now looks like

```
IDL_PATH=+/athome/rein_be/IDLWorkspace:+/athome/rein_be/CIMa ster
```

When I run my program now, it doesn't even compile:

```
IDL> object_based_validation_batch
```

```
li=READ_ASCII(li_file, TEMPLATE=templ)
      ^
```

```
% Syntax error.
```

When running

```
IDL> templ
```

idl restores a templ.sav that resides somewhere in the IDL-Path. So I moved this templ.sav to templ.sav.bak

now

```
IDL> templ
```

```
yields
```

```
% Attempt to call undefined procedure/function: 'TEMPL'.
```

```
% Execution halted at: $MAIN$
```

But the same compilation error occurs.

Any ideas where to search? Btw: I'm using idl 7.1 on Linux.

Regards,

Bernhard

Subject: Re: IDL_PATH

Posted by [Michael Galloy](#) on Wed, 31 Mar 2010 16:03:15 GMT

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On 3/31/10 3:11 AM, bing999 wrote:

```
> I am having trouble with my IDL_PATH defined in my .bashrc.
>
> Here is how it is defined:
>
> IDL_PATH="+${my_path}/idl:/home/jim/lib/IDL:<IDL_DEFAULT >+/home/bob/
> routines/:"
>
> export IDL_PATH
>
> Then it points to 3 directories ( my IDL, jim's IDL and bob
> routines'). Note that "my path" is correctly defined before because
> wherever i am, i can call routines stored here.
> The thing is that when i add a new routine in ${my_path}/idl/ and i
> want to call it from another directory, i get the message: "Attempt to
> call undefined procedure/function" whereas it is well located in
> {my_path}/idl/....
>
> Does anyone know what goes wrong?
> Thanks.
```

I see a couple things. First, you are missing a ":" after "<IDL_DEFAULT>", but that shouldn't affect finding routines in \$my_path/idl.

Check out the help for PATH_CACHE. IDL builds a cache of the .pro files in the directories in the !path. If you slip a new file in later, you have to manually compile it with something like:

```
IDL> .compile my_path/idl/my_routine
```

or rebuild the cache with:

```
IDL> path_cache, /rebuild
```

I usually just restart IDL.

Mike

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