Subject: RESOLVE_ROUTINE essentially unusable on linux?
Posted by Brian Wolven on Wed, 10 Aug 2011 18:36:03 GMT

I understand this - linux is case sensitive:

IDL> .compile sis_bin_mapped_data
% Error opening file. File: sis_bin_mapped_data
IDL> .compile SIS_BIN_MAPPED_DATA
% Error opening file. File: SIS_BIN_MAPPED_DATA
IDL> .compile SIS_bin_mapped_data
% Compiled module: SIS_BIN_MAPPED_DATA.

But there seems to be no way to get it to work at all with this approach:

IDL> resolve_routine,/EITHER,'sis_bin_mapped_data'
% Attempt to call undefined procedure/function: 'SIS_BIN_MAPPED_DATA'.
% Execution halted at: $MAIN$
IDL> resolve_routine,/EITHER,'SIS_BIN_MAPPED_DATA'
% Attempt to call undefined procedure/function: 'SIS_BIN_MAPPED_DATA'.
% Execution halted at: $MAIN$
IDL> resolve_routine,/EITHER,'SIS_bin_mapped_data'
% Attempt to call undefined procedure/function: 'SIS_BIN_MAPPED_DATA'.
% Execution halted at: $MAIN$

SIS_bin_mapped_data.pro is in the current working directory. Seems like the only solution is to rename all files in upper case? Am I missing something?

Subject: Re: RESOLVE_ROUTINE essentially unusable on linux?
Posted by David Fanning on Fri, 12 Aug 2011 21:54:28 GMT

Brian Wolven writes:

> If you develop and run in the same environment you're
> not likely to have problems. If you need portability,
> you'll have to watch out for gotchas like this when
> going from one OS to another.

To be fair to IDL, there are only about two rules
to achieve portability (and maybe a couple more if
you are writing widget programs):

Rule 1: Pay attention to file names. Save files
in lowercase letters and use file routines (e.g.,
FindFile, File_Search, Dialog_Pickfile) to
construct file names.

Rule 2: Save the current device so you can restore
it before you reset it.

```
thisDevice = !D.Name
Set_Plot, 'PS'
....
Set_Plot, thisDevice
```

That's about the extent of it. Everything else, to
ITTVIS's credit, just works. :-)

Cheers,

David

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David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")