
Subject: Re: vm cwd in *nix

Posted by [Vince Hradil](#) on Thu, 05 Jul 2007 13:30:10 GMT

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On Jul 3, 6:33 pm, "mgal...@gmail.com" <mgal...@gmail.com> wrote:

> On Jul 3, 4:50 pm, rcl...@hindmost.lpl.arizona.edu (Richard Clark)

> wrote:

>

>> I'm developing a tool for use in an application (and on workstation)

>> that doesn't otherwise use idl so I'm hoping to run it in the idl

>> virtual machine.

>

>> Running it in normal fully interactive idl it works fine but not in

>> vm. I figured out that this is because the vm comes up in the location

>> of the .sav file as its current working directory.

>

>> Is there an easy way to notify the vm application of the location it

>> is being started from without the user having to type in

>> big_long_convoluted_path_name at some point?

>

> Do you mean start with a given current directory or just to know what

> directory it is started from?

>

> If you just want to know where you are starting from, everyone seems

> to have their own version, mine is:

>

> http://michaelgalloy.com/wp-content/uploads/2007/07/mg_src_root.pro

>

> Called from a routine, it will return the directory of the .pro

> or .sav file where that routine was located.

>

> If you want to start in a given directory, just use CD (the IDL

> routine).

>

>> And a related question...

>

>> Is there a way to automatically generate a mouse click to get past the

>> vm startup screen? (again, this is all linux/unix so a non portable

>> solution is ok)

>> The application mentioned above is semi-interactive and a human is in

>> the loop, but we have a couple of fully automated processing pipelines

>> (multiple, independent instances may be running, each at its own rate)

>> where we would like to use idl but also need to keep costs under

>> control.

>

> I believe the answer to that is to buy a runtime license.

>

>> Has anyone ever translated their documentation about licensing into

>> english?

>

> No.

>

> Mike

> --www.michaelgalloy.com

I'll agree (mostly) with Mike. The splash screen is there for a reason...

However, I think you missed the point Mike on the 'cwd' question. I too have run into this problem - with IDL changing directory to the directory where the .sav file is. For instance. Say the user want to start a .sav file to operate on some files in /da/mr/data/. He first does, > cd /da/mr/data then runs the program. But the program (the sav file) is in /usr/local/savfiles, so when the sav file tries to open foo.dat it can't find it.

To circumvent this, I usually wrap the thing in a (bash) shell script. I capture \$PWD and export the variable, then call idl -vm=/usr/local/savfiles/foo.sav

If anyone from ITT/IDL is out there listening... this used to not be a problem, until about v6.0 or maybe 6.1. Before that IDL would not have the current working directory as the directory from which idl was started. I for one liked it better that way. Maybe it's a limitation of the vm?
