Subject: IDL_STARTUP trouble and .kshrc Posted by dave-keller on Sun, 19 Jan 2003 20:19:30 GMT View Forum Message <> Reply to Message

I want to use an alternate 'IDL_STARTUP' file when running IDL from a scheduled ('cron') job. I used to do this all the time on Sun and HP workstations. But now on an IBM workstation, it seems that IDL takes the IDL_STARTUP variable STRICTLY FROM MY .kshrc, as if IDL reads the .kshrc file!

From a ksh on an IBM:

(assume I have files 'mystartup.pro' and 'mystartup_v2.pro')

% export IDL_STARTUP='~/mystartup_v2.pro'
% idl
 'This is the old startup program' (message in the mystartup.pro
file)
IDL> print,getenv('IDL_STARTUP')
 mystartup.pro
IDL> exit
echo \$IDL_STARTUP
 'mystartup_v2.pro'

What is also odd is that I can modify my .kshrc file, AND NOT EVEN 'EXECUTE' IT, and IDL will use THE IDL_STARTUP VARIABLE IN THE .kshrc FILE!

.kshrc:

export IDL_STARTUP='mystartup.pro' (IDL WILL USE mystartup.pro) export IDL_STARTUP='mystartup_v2.pro' (IDL WILL USE mystartup_v2.pro)

I want to specify, 'dynamically', which IDL_STARTUP file to use, on this IBM system. But IDL seems to 'read' my .kshrc file, and use whatever the environmental variable IDL_STARTUP is, from there. IDL reads my .kshrc whether or not I 'execute' it, all I have to do is modify the .kshrc with an editor, and IDL will follow. This is not what I expect, I expect IDL to honor my IDL_STARTUP variable.

I think ksh is the predominant shell on our system, so I'd prefer that, but it may be that using 'c' shell is the solution?

Heeeeelp?

-- Dave --

Subject: Re: IDL_STARTUP trouble and .kshrc Posted by Nigel Wade on Wed, 22 Jan 2003 14:40:45 GMT

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dave keller wrote:

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 Heeeeelp?
> -- Dave --
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The file .kshrc is sourced every time a new ksh process starts. If the

script /path/to/idl/idl starts with #!/bin/ksh or by some other means runs ksh then it is implicitly starting a new ksh shell which will execute your .kshrc.

You could create yourself another idl script which uses #!/bin/sh to stop it using ksh. Alternatively, set IDL_STARTUP in your .profile rather than your .kshrc file so it's only done once per session.

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