
Subject: Startup on LINUX Question

Posted by [David Fanning](#) on Thu, 04 Jun 2009 23:31:31 GMT

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Folks,

I have an IDL startup file on my LINUX machine. The first line in the file is this:

```
DEVICE, RETAIN=2, TRUE_COLOR=1, SET_CHARACTER_SIZE=[9,12]
```

When I start up IDL 7.0.1 in the IDL Workbench this file is executed (there is a print statement at the end of the file to let me know it executed). And, indeed, graphics windows are retained, etc. *But* when I issue a plot command, I still have tiny fonts. At some random time during the day (I have no idea when), something in IDL "wakes up" and all of my graphics from then on contain the larger font I specified in my startup file. This can take an hour, sometimes I don't notice the larger fonts until after lunch.

If I have small fonts and I .reset my IDL session,
I re-run my startup file, and I still have small fonts.

If I have larger fonts and I .reset my IDL session,
I continue to have larger fonts.

Does anyone have the faintest idea what might be going on here?

Cheers,

David

--

David Fanning, Ph.D.

Coyote's Guide to IDL Programming (www.dfanning.com)

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Startup on LINUX Question

Posted by [Paul Van Delst\[1\]](#) on Fri, 05 Jun 2009 18:41:43 GMT

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David Fanning wrote:

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>  I continue to have larger fonts.
>
>  Does anyone have the faintest idea what might be going
>  on here?

```

No because, well, you know, it's IDL :o) Still weird tho'.

I use IDL on linux exclusively (well, sometime on the IBM systems too, but that's v6.something) and have never seen this behaviour. My startup file looks like:

```

DEVICE, TRUE_COLOR=24
DEVICE, RETAIN=2, DECOMP=0
WINDOW, /FREE, /PIXMAP, COLORS = -5
PLOT, [ 0 ]
WDELETE, !D.WINDOW
DEVICE, SET_CHARACTER_SIZE = [ 6, 9 ]
PRINT, 'Number of colors is ', !D.N_COLORS
PRINT, 'Color table size is ', !D.TABLE_SIZE
COLORS
COMPILE_OPT DEFINT32, STRICTARR

```

The only difference I can see is that I issue the DEVICE commands on separate lines. Or maybe the

```

    DEVICE, SET_CHARACTER_SIZE = [ 6, 9 ]
should always be issued after the
    WINDOW, /FREE, /PIXMAP, COLORS = -5
    PLOT, [ 0 ]
    WDELETE, !D.WINDOW
??

```

My IDL version:

IDL> help, !version,/structure

** Structure !VERSION, 8 tags, length=76, data length=76:

```
ARCH      STRING  'x86'
OS        STRING  'linux'
OS_FAMILY STRING  'unix'
OS_NAME   STRING  'linux'
RELEASE   STRING  '7.0'
BUILD_DATE STRING  'Oct 25 2007'
MEMORY_BITS INT    32
FILE_OFFSET_BITS
           INT      64
```

cheers,

paulv

Subject: Re: Startup on LINUX Question

Posted by [R.Bauer](#) on Mon, 08 Jun 2009 08:13:21 GMT

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David Fanning schrieb:

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>

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> is executed (there is a print statement at the end of the file
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>

> Cheers,

>
> David

Hi David

[http://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source/idl .all](http://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source/idl_all)
we never have had that problem.

I am not sure what rerun means. But it sounds a bit you don't have an important env var.

```
export IDL_STARTUP=/pwd/your_startup.pro
```

We do use the same startup for all of our platforms.

pick up the pieces.

cheers
Reimar

```
if float(!version.release) ge 6.0 then path_cache,/clear,enable=0
```

```
var=getenv('IDL_PRECOMPILED')
if strpos(var,'1') gt -1 then  DEFSYSV, '!icg', $
    CREATE_STRUCT(NAME='!ICG', 'USER', '', 'HOST', '', 'IDL_SOURCE', '',
'IDLDE', '', 'SEP', '' $
    , 'A', ['/idl_work/aaa', '/idl_lib/aaa'
, '/idl_precompiled', '/idl_links', '/idl_work', '/idl_lib',
' /idl_experiment', '/idl_model', '/easy/program/idl', '/idl
_obsolete'] )
```

```
if strpos(var,'1') eq -1 then  DEFSYSV, '!icg', $
    CREATE_STRUCT(NAME='!ICG', 'USER', '', 'HOST', '', 'IDL_SOURCE', '',
'IDLDE', '', 'SEP', '' $
    , 'A', ['/idl_work/aaa', '/idl_lib/aaa'
, '/idl_links', '/idl_work', '/idl_lib', '/idl_experiment',
' /idl_model', '/easy/program/idl', '/idl_obsolete'] )
```

```
delvar,var
```

```
; seperator definition
```

```
IF !version.os_family EQ 'unix' THEN !icg.sep = ':'
```

```
IF !version.os_family EQ 'Windows' THEN !icg.sep = ';' ;
```

```
; host and user
```

```

IF !version.os_family EQ 'unix' THEN BEGIN & SPAWN,'whoami', b &
!icg.user = b & ENDIF
IF !version.os_family EQ 'unix' THEN BEGIN & SPAWN,'hostname', b &
!icg.host = b & ENDIF
IF !version.os_family EQ 'Windows' THEN !icg.user = GETENV('username')
IF !version.os_family EQ 'Windows' THEN !icg.host = GETENV('computername')
!icg.user=STRLOWCASE(!icg.user)
!icg.host=STRLOWCASE(!icg.host)

IDL SMTP_SRV=GETENV('IDL SMTP_SRV')

; idl source
!icg.idl_source=GETENV('IDL_SOURCE')
IF !icg.idl_source EQ " THEN PRINT,'DEFINE IDL_SOURCE ENVIRONMENT
VARIABLE, STANDARD PARAMETERS WILL BE USED'

IF !version.os_family EQ 'unix' AND !icg.idl_source EQ " THEN
!icg.idl_source ='/usr/local/icg/icg/idl_source'
IF !version.os_family EQ 'Windows' AND !icg.idl_source EQ " THEN
!icg.idl_source='S:\links\idl_source'

;IF !version.os_family EQ 'unix' AND STRMID(!icg.host,0,3) EQ 'icg'
THEN !icg.idl_source ='/usr/local/icg/icg/idl_source'
;
;IF !version.os_family EQ 'unix' AND STRMID(!icg.host,0,3) EQ 'aix'
THEN !icg.idl_source ='/usr/local/nfs/ich227.icg/icg/idl_source'
;IF !version.os_family EQ 'unix' AND STRMID(!icg.host,0,3) EQ 'zam'
THEN !icg.idl_source ='/usr/local/nfs/idl_source'
;IF !version.os_family EQ 'Windows' THEN
!icg.idl_source=GETENV('IDL_SOURCE')
;IF !icg.idl_source EQ " THEN !icg.idl_source='S:\links\idl_source'

; idlde
IF !version.os_family EQ 'Windows' THEN !icg.idlde=GETENV('IDLDE')
IF !icg.idlde EQ " THEN !icg.idlde=!dir

; grafics
IF !version.os_family EQ 'Windows' then DEVICE, DECOMPOSED=0

;2001-05-10 herausgenommen
;if strlowcase(!version.os) eq 'linux' then device,decomposed=0
;if strlowcase(!version.os) eq 'linux' then
window,0,xsize=20,ysize=20,color=256
;if strlowcase(!version.os) eq 'linux' then wdelete,0

if strlowcase(!version.os) eq 'linux' then device, get_visual_depth=depth
if strlowcase(!version.os) eq 'linux' then device, true_color=depth
if strlowcase(!version.os) eq 'linux' then window, /free, /pixmap,

```

```

colors=-10
if strlowercase(!version.os) eq 'linux' then wdelete, !d.window
; if strlowercase(!version.os) eq 'linux' then device, bypass_translation=0
; bug in idl5.5 keine gute Loesung
if strlowercase(!version.os) eq 'linux' then device, decomposed=0, retain=2
delvar, depth

; 2001-05-10 Aenderung abgeschlossen

!p.background=255
!p.color=0
if !version.os_family EQ 'unix' then device, pseudo_color = 8
if !version.os_family EQ 'unix' THEN device, retain = 2

; expand path
!icg.a = !icg.idl_source + !icg.a
if !version.os_family EQ 'unix' AND STRMID(!icg.host,0,3) EQ 'ich' THEN
  b='+/usr/local/idl/idl/lib'
if !version.os_family EQ 'unix' AND STRMID(!icg.host,0,3) EQ 'icg' THEN
  b='+/usr/local/idl/idl/lib'
if !version.os_family EQ 'unix' AND STRMID(!icg.host,0,3) EQ 'aix' THEN
  b='+/usr/local/idl/idl/lib'
if !version.os_family EQ 'unix' AND STRMID(!icg.host,0,3) EQ 'zam' THEN
  b='+/usr/local/idl/idl/lib'
if !version.os_family EQ 'Windows' THEN b=!icg.idlde+'lib'

; add the icg1 lib for all ICG-1 users
if !version.os_family EQ 'unix' AND strpos(!icg.user, 'icg1') gt -1 then $
  b = b + !icg.sep+ '+/usr/local/icg/icg1/idl'

if !version.os_family EQ 'Windows' AND strpos(!icg.user, 'icg1') gt -1 then $
  b = b + !icg.sep+ '+S:/links/icg1/idl'

; loop thru all path items
for i=0, N_ELEMENTS(!icg.a)-1 DO b=b+!icg.sep+'+'+!icg.a[i]
; expand the path
b = EXPAND_PATH(b)

; Add to existing path
!path = !path+!icg.sep+b

; get rid of used variables
DELVAR, b, i

; default widget font
; if !VERSION.OS_FAMILY eq 'unix' then
  widget_control, default_font='-adobe-helvetica-medium-r-norma l--12-*-*-*60-*-*'
if strlowercase(!version.os) eq 'linux' then

```

```
widget_control,default_font='-adobe-helvetica-medium-r-normal--12-*-*-*60-*-*'
```

```
IF !VERSION.OS_FAMILY eq 'Windows' then
```

```
widget_control,default_font='HELVETICA*VARIABLE*14'
```

```
; print an informational message
```

```
PRINT, 'Your !PATH settings have been modified by idl.all (Wed Oct 6  
14:12:45 2004)'
```

```
PRINT, '-----'
```

```
PRINT, 'Welcome '+!icg.user+'@'+!icg.host+' to IDL Version: ' +  
!version.release+' !'
```

```
PRINT, 'Current time: '+SYSTIME()
```
