
Subject: cgPS_Open crash

Posted by [Matteo](#) on Sat, 11 Feb 2017 17:58:03 GMT

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Hi,

I have been consistently using cgPS_Open / cgPS_Close to save plots in IDL 7.1. I'm now running IDL 8.5 on Mac and issuing "cgPS_Open, file='test.ps' results in:

```
% Keyword LANGUAGE_LEVEL not allowed in call to: FSC_PSCONFIG::INIT
% Execution halted at: CGPS_OPEN
```

I have the latest version of the Coyote library and cgPS_Open compiles alright.

Any idea on what's wrong?

Thanks!

Subject: Re: cgPS_Open crash

Posted by [Matthew Argall](#) on Sun, 12 Feb 2017 01:06:01 GMT

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I have run into this problem before. cgPS_Config is a wrapper for the FSC_PSConfig object, but the two are not 100% compatible (cgPS_Open calls cgPS_Config). I created my own version of both so that they work better together. These are my notes on some of my "fixes".

Your particular problem stems from the fact that the ::Init and ::SetProperties methods of FSC_PSConfig do not accept the LANGUAGE_LEVEL keyword.

Note that these notes are from quite a while ago, so the real cg programs may have diverged a bit.

CGPS_CONFIG

```
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;   PAGETYPE is no longer included in the output structure because it is not accepted
;   by the DEVICE procedure. Use the PAGETYPE keyword instead. Renamed the ISOLATIN
;   keyword to ISOLATIN1. Abbreviated keyword still works.
;   If PSOBJECT is passed in, its properties will be set. Useful with the MATCH
;   keyword.
```

FSC_PSCONFIG

```
; Font styles and font names are not reset every time the SetProperty method is called.
; SetProperty will set CMYK, ENCAPSULATED, ISOLATIN, LANDSCAPE, METRIC,
TRUETYPE
; properties. Added the LANGUAGE_LEVEL, FONT_SIZE, PORTRAIT, and TT_FONT
keywords
; to the Init and SetProperty methods so that they work with the DEVICE, cgPS_Open,
; and cgPS_Config. Removed the PAGETYPE and FONTTYPE fields from structure returned
; by GetKeywords because they are not accepted by the DEVICE procedure. Renamed
; ISOLATIN to ISOLATIN1 (abbreviated keyword still works).
; Correctly convert to and from IDL [xy]offsets to offsets from the lower left corner.
; Added the SANE_OFFSETS keyword to the GetKeywords method in case you want to
; pass the keyword structure to cgPS_Open or cgPS_Config.
```

CGPS_OPEN

```
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; PAGETYPE is returned as a keyword from cgPS_Config.
; Added the SET_FONT keyword as well as logic checking of TT_FONT for compatability
; with Device and FSC_PSConfig. Was passing a file path instead of the basename
; to cgPS_Config. Fixed. Added the pagetype keyword because it is no longer
; returned by FSC_PSConfig.
```

CGPS_CLOSE

```
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; Do not automatically delete the intermediate post script file if DELETE_PS is
; explicitly set to 0.
```
