
Subject: Re: An Callable IDL Question

Posted by [Haje Korth](#) on Thu, 30 Apr 2009 12:19:18 GMT

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I do not use callable IDL, but one question occurred to me. Do you restore the sav file before invoking the function? Haje

<hy.rs.whu@gmail.com> wrote in message

news:4b635c0d-4d23-42b1-80af-7baec64e9b3a@z16g2000prd.google groups.com...

> I wrote a c program in which I want to use Callable IDL to plot and

> analysis some RS data.

>

> First, I invoke IDL command in c program using function IDL_ExecuteStr

> (). But it's hard to debug and I can't get any error information when

> something wrong.

>

> So I found out a solution. I wrote procedures and functions in IDL

> IDE, so I can test and debug easily. When the code was tested good, I

> save them as .sav file using SAVE command. If my solution works, I

> could restore the function and invoking them in my c program.

>

> But my solution failed. I couldn't invoke procedures and functions

> in .sav file when I using Callable IDL.

>

> I'm not sure whether my solution is right or wrong. So I ask your

> help. Tell me the feasibility of my solution, please!

Subject: Re: An Callable IDL Question

Posted by [hy.rs.whu](#) on Mon, 04 May 2009 07:52:13 GMT

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The answer is yes.

Following are my test IDL and C code segment:

IDL:

```
PRO fsplot, dimx, dimy
PLOT, dimx, dimy
END
```

C:

```
int main(int argc, char* argv[])
{
    IDL_INIT_DATA init_data;

    init_data.options = IDL_INIT_NOCMDLINE;
    if (argc) {
        init_data.options |= IDL_INIT_CLARGS;
        init_data.clargs.argc = argc;
        init_data.clargs.argv = argv;
    }
    if (IDL_Initialize(&init_data)) {

        IDL_ExecuteStr("RESTORE, 'fsplot.sav'");
        IDL_ExecuteStr("fsplot, [1,2,3], [1,2,3]");

        IDL_Cleanup(FALSE); /* Don't return */
    }

    return 0;
}
```
