
Subject: Re: What subprogram? What parameters and keywords?

Posted by on Fri, 23 Aug 2013 13:57:32 GMT

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Den fredagen den 23:e augusti 2013 kl. 14:52:28 UTC+2 skrev David Fanning:

> Mats Löfdahl writes:

>
>> Let's say IDL has just entered a subroutine or function. Is any of the following information available?

>
>> 1. The name of the subprogram (like \$0 in bash)
>> 2. The parameters as an array or struct or similar (kind of like \$*), preferably including keywords.

>
> You can find two useful programs in the Coyote Library. WhoAml returns
> the name of the program module the WhoAml program is called in, and
> WhoCalledMe identifies the name of the program module that called the
> routine you are now in.

>
> There is no parameter stack that I am aware of, although it wouldn't
> surprise me if the Scope_*** routines could figure it out.

Thanks, that solves the first part of the problem! I'll read up on scope_*** and see if I can figure something out for the second part.

Note though that WhoCalledMe and WhoAml give identical output when I try them. I believe WhoCalledMe needs the following edit:

```
callingRoutine = (StrSplit(StrCompress(callStack[(index-1) > 0])," ", /Extract))[0]
```

should be

```
callingRoutine = (StrSplit(StrCompress(callStack[(index-2) > 0])," ", /Extract))[0]
```

At least that fixed it for my test case.
