Subject: Re: Pri Posted by JDS on Thu, 25 Feb 2010 20:12:38 GMT View Forum Message <> Reply to Message

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On Feb 25, 9:53 am, Lasse Clausen <l...@lbnc.de> wrote:

> Hi there,

> I have written a little routine that prints out the usage of routines/
> procedures written in IDL on the command line. Like so:

> IDL> pri, 'reverse'
> +---+
> Function REVERSE
> Usage:
> Result = REVERSE(A, SUBSCRIPTIN, OVERWRITE=OVERWRITE)
> Source:
> /usr/local/itt/idl/lib/reverse.pro
> +---+
```

Since IDLWAVE does this as well (in context with C-c?), but also includes system routines (even when not available as .pro files), I thought I'd mention how it does so. Since around IDL 6.2, ITT has distributed with IDL an XML file which describes all of their routines, system variables, object classes, etc.: idl/help/idl\_catalog.xml. It also gives detailed information on calling syntax, keywords, etc. Here's some simple code to parse this XML file to print the calling syntax of all the system routines for the currently running version of IDL:

A better version would gather the keywords as well (as IDLWAVE does)

and place them in the syntax. Then perhaps tuck away a pair of string arrays into a common variable: sorted routine name, concatenated calling syntax. This could be used to look-up syntax (either as first priority, or second).

Beware of ALIAS\_TO entries, which point to aliases for the actual ROUTINE block, and could obviously be worked around. You could also consider grabbing the CLASS elements, which contain METHOD children with their own syntax, etc. Might be very useful to have an interface to this on the command line.

JD

P.S. Is there a reason a->b()->c doesn't work in IDL? I'd have thought `->' was left to right associative?