
Subject: External Development: Number of arguments
Posted by [Haje Korth](#) on Tue, 12 Jul 2016 20:37:46 GMT
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I am cooking on another DLM. I need to check for the number of parameters passed into the routine but need to distinguish between regular arguments and keywords. The argc argument gives me the total but I do not know how to subtract the keyword count. There must be a simpler way of checking every single keyword as to whether it is supplied or not. Help greatly appreciated.

Thanks,
Haje

Subject: Re: External Development: Number of arguments
Posted by [Jim Pendleton](#) on Wed, 13 Jul 2016 00:11:00 GMT
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On Tuesday, July 12, 2016 at 2:37:48 PM UTC-6, Haje Korth wrote:

> I am cooking on another DLM. I need to check for the number of parameters passed into the routine but need to distinguish between regular arguments and keywords. The argc argument gives me the total but I do not know how to subtract the keyword count. There must be a simpler way of checking every single keyword as to whether it is supplied or not. Help greatly appreciated.

>
> Thanks,
> Haje

See the docs for the internal C function IDL_KWProcessByOffset.

Here's an example from the EDG:

<http://www.harrisgeospatial.com/docs/KWExamples.html>

Jim P.

Subject: Re: External Development: Number of arguments
Posted by [Markus Schmassmann](#) on Wed, 13 Jul 2016 08:34:39 GMT
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On 07/12/2016 10:37 PM, Haje Korth wrote:

> I am cooking on another DLM. I need to check for the number of
> parameters passed into the routine but need to distinguish between
> regular arguments and keywords. The argc argument gives me the total
> but I do not know how to subtract the keyword count. There must be a
> simpler way of checking every single keyword as to whether it is
> supplied or not. Help greatly appreciated.

consider using a wrapper which passes the return of n_params()

That is maybe not optimal, but easy to do.

Subject: Re: External Development: Number of arguments

Posted by [Haje Korth](#) on Wed, 13 Jul 2016 19:04:18 GMT

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On Tuesday, July 12, 2016 at 4:37:48 PM UTC-4, Haje Korth wrote:

> I am cooking on another DLM. I need to check for the number of parameters passed into the routine but need to distinguish between regular arguments and keywords. The argc argument gives me the total but I do not know how to subtract the keyword count. There must be a simpler way of checking every single keyword as to whether it is supplied or not. Help greatly appreciated.

>

> Thanks,

> Haje

Thank you for your replies. I had studied the IDL_KWProcessByOffset documentation and could not immediately retrieve the number of keyword using the function. I now simply add the `nkw=sum(kw.there)` flag, which are set to one if the keyword is set. Then I compute `argc-nkw` to get at the number of regular arguments.
