
Subject: Re: 'loop limit expression too large for loop variable type' error

Posted by [Jeremy Bailin](#) on Mon, 30 Aug 2010 16:56:46 GMT

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On Aug 30, 11:58 am, Chris Torrence <gorth...@gmail.com> wrote:

> On Aug 30, 9:47 am, Paulo Penteado <pp.pente...@gmail.com> wrote:

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>> On Aug 30, 12:36 pm, Snow53 <jennifer_wa...@hotmail.com> wrote:

>

>>> My code runs great on small data sets, but I'm trying to use it for

>>> larger sets and I've started getting an

>>> "loop limit expression too large for loop variable type' error when I

>>> reach the "for j=0, num_ids-1 do begin". Why is this happening and

>>> how can I fix it?

>

>> It appears that num_ids is 2^16 or larger, which would overflow the

>> loop variable initialized with the type int. Use instead

>

>> for j=0L, num_ids-1

>

>> Or add at the beginning

>

>> compile_opt idl2

>

>> or compile_opt defint32

>

>> Assuming it would fit into a long (2^32).

>

> Or you could upgrade to IDL 8.0, which automatically promotes the loop

> variable to a long or long64 if the loop limit is greater than the

> maximum value for the loop variable. If it isn't greater than the

> maximum, then it leaves it alone.

>

> Cheers,

>

> Chris

> ITTVIS

Damn, that's going to seriously erode my perceived guru status, since easily half the questions I get boil down to this issue! ;-)

-Jeremy.
