Subject: Re: Max number of elements in an array Posted by Paolo Grigis on Mon, 14 May 2007 12:48:46 GMT

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Jean H. wrote:

- > Hi all,
- >
- > I can't remember this... what is the type of the variable used to index
- > an array? ... in other words, what is the max number of elements an
- > array can hold, provided the memory is available? Is there a way to
- > change that, so I can use, let's say, an unsigned long 64?

In the 32-bits version, signed longs are used.

Thus the max number of elements of a byte array is (2^31-offset), where offset is a small number (around 10).

IDL 64 bit uses signed double precision longs, and the max number of elements in a byte array is (2^63-offset) [here the offset seems to be around 512].

For other numeric types, divide the above numbers by the size in bytes of one element.

Ciao,

Paolo

- >
- > Thanks,
- >
- > Jean