
Subject: Re: IDL arrays having more than 8 dimensions
Posted by [Russell\[1\]](#) on Mon, 27 Feb 2012 15:32:21 GMT
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On Feb 27, 7:36 am, Giovanni Natale <giovanni.natal...@googlemail.com>
wrote:

- > Hi everybody!
- > I often work with functions depending on many variables and I would
- > like to store all the values within one IDL array. However, IDL does
- > not allow to create arrays with dimension higher than 8.
- > Does anybody know a possible solution for this problem or where I can
- > find more information about it?
- >
- > Thank you,
- > Giovanni

It's not pretty, but it would work....

IDL, like all other programming languages, actually stores the data (even if a multi-dimensional array) in a 1-d array. To my knowledge the only upper limit on the length of a 1-d array is due to the bit-iness of your computer. A 32-bit system has a limitation of around 2 Gb (I think) and a 64-bit is much higher --- I don't think I've even come close to the limit. Of course, once you've got all the data into this 1-d array, you'll need some scheme of encoding which element goes where.

Russell
