
Subject: Re: Accessing numbered arrays
Posted by [wlandsman](#) on Thu, 14 Apr 2016 12:56:12 GMT
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Traditionally, one would use EXECUTE() for this.

There might be cases where using EXECUTE() would be faster because one doesn't necessarily need to make a copy of the array. For example, if all you need is the maximum of the array then

```
res = EXECUTE('amax = max(temporary(array' + strtrim(i,2) + '))' )
```

gets the maximum, and deletes the array without ever having to make a duplicate copy.

But I think for most cases SCOPE_VARFETCH would work just as well. (Also note that EXECUTE() can't be used with the virtual machine, but SCOPE_VARFETCH can).

On Thursday, April 14, 2016 at 7:55:57 AM UTC-4, Richard Morton wrote:

```
> Hi,  
>  
> I have a routine (not mine) that creates numbered arrays as output, i.e., array1 , array2, array3,  
etc.  
>  
> I would like to access these arrays sequentially within a for loop.  
>  
> I am currently using:  
>  
> FOR i=0,n DO temp=scope_varfetch('array'+strtrim(i,2)) .  
>  
> This does the job but is this an appropriate way to do it? From my reading about  
scope_varfetch it appears to be designed for accessing variables at different levels of the code.  
This is not what I doing, so I wondered if there was another method.  
>  
> If a similar question has been answered before I apologise, I couldn't find anything.  
>  
> Cheers,  
> Richard
```
