
Subject: Re: alternative to execute

Posted by [Ken Mankoff](#) on Wed, 01 Feb 2006 02:22:26 GMT

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On Tue, 31 Jan 2006, greg michael wrote:

> I'm trying to think up a good way to implement a user-defined
> function which would run in the IDL VM. The function might involve
> any of about 300 similar 2-d arrays, each of which is quite
> expensive to generate. So I thought to obtain the function as a
> string, scan it to see which arrays are needed, generate them, and
> then apply the function with 'execute'. But 'execute' is excluded
> from the VM.

>

> A typical function might look like:

>

> result = b123 / b100 - .9 * b050 / b035

>

> Without execute, I can only think to attempt to write some kind of
> arithmetic interpreter. Would anyone have a suggestion for a way
> to get IDL to do this more directly?

>

Dump the data to disk, generate a small PRO that reads in the data,
executes your user function (using execute), and then dumps the
result back to disk, spawn a new 2nd IDL session, not VM, that runs
the generated PRO. As long as it takes less than 7 minutes to run
everything should work. Read back in the results, and continue.

-k.
