
Subject: Re: Porting to VM

Posted by [JD Smith](#) on Thu, 11 Dec 2003 16:55:44 GMT

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On Wed, 10 Dec 2003 20:19:59 -0700, David Fanning wrote:

> JD Smith writes:

>

>> I've been trying to get a large application working in the new IDLVM,

>> and have run into trouble: apparently, in all calls like:

>>

>> XManager, /NO_BLOCK

>>

>> the NO_BLOCK is ignored, and the call blocks anyway. I suppose this

>> makes sense, since IDL's non-blocking functionality is provided by the

>> command-line, which isn't there in the VM. Why would you care about

>> blocking if there's no command line to interact with? For my purposes,

>> the distinction between blocking and non-blocking is whether calls

>> which invoke XManager return immediately, or wait until the managed

>> widget dies. This isn't mentioned in the "Restrictions" on the VM FAQ

>> page. Anyone managed to deal with this issue?

>

> In SAVE files I've made recently, I've had to add JUST_REG keywords to

> all the XMANAGER calls before the last one, which will block and get

> everything else going.

I heard from an RSI engineer who directed me to a mention of this issue in the manual, hidden in a note under XManager:

NO_BLOCK is ignored by IDL Runtime. If a main procedure uses XMANAGER with the NO_BLOCK keyword set, IDL Runtime defers subsequent processing of the commands following the XMANAGER call until the widget associated with the call to XMANAGER is destroyed.

What this doesn't say is that *subsequent*, deeper calls to XManager,/NO_BLOCK will be respected; it's on the "main-level" call which otherwise would have yielded to a non-existent active command line which is ignored. The moral is, for full VM/Runtime portability, don't rely on anything which happens *after* the very first call (or, more correctly, any top-level call) to XManager executing right away. Hopefully this can get added to the IDLVM FAQ.

JD
