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Subject: LINUX / Keyboard echo during command execution

Posted by [Jeff Hester](#) on Sun, 02 Dec 2001 08:31:16 GMT

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Under Linux (RedHat 7.1 / IDL 5.4) keyboard input entered during execution of a procedure is echoed to the screen, leading to very annoying behavior from routines that, for example, use `get_kbrd()` to poll the keyboard during execution. This behavior is different from my previous environment (DEC UNIX / IDL 5.4). I am running the SawFish window manager and GNOME, although the behavior persists under KDE as well.

To see the problem, enter

`wait,5`

and during the wait, see if keyboard input is echoed. Characters should not appear on the screen until after the wait completes, but in my current environment, they do.

I have tried obvious things like `stty` settings and using different flavored terminal emulators. The only thing that I have found that fixes the problem is to manually enter a `^S` (XOFF) from the keyboard. Then characters that are entered are snarfed up by `get_kbrd()` and never appear on the screen. But that is not a practical real-world solution. (Spitting out a `^S` to `stdout` with `writen` does not fix the problem...)

Any ideas would be greatly appreciated. I have an analysis environment that runs in a loop, polling both the keyboard and the cursor for positioning and command information, and the echoing of characters typed on the keyboard but not destined for the IDL command interpreter is seriously cramping my style.

Jeff Hester

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Subject: Re: LINUX / Keyboard echo during command execution

Posted by [Craig Markwardt](#) on Mon, 03 Dec 2001 19:21:36 GMT

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Jeff Hester <[jhester@asu.edu](mailto:jhester@asu.edu)> writes:

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> execution of a procedure is echoed to the screen, leading to very

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Hi Jeff--

For every version of Linux IDL I tried, including 5.1 and 5.2,  
characters are echoed during a WAIT.

Craig

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Craig B. Markwardt, Ph.D.       EMAIL:   craigmnet@cow.physics.wisc.edu  
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response  
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