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Subject: Re: How to fasten formatted printf?

Posted by [Jeremy Bailin](#) on Tue, 05 Jan 2016 16:34:30 GMT

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On Monday, January 4, 2016 at 9:53:14 PM UTC-5, Craig Markwardt wrote:

> On Monday, January 4, 2016 at 9:01:10 PM UTC-5, Yunfeng Tian wrote:

>> Hi all,

>>

>> I usually have over a thousand text files to write. Each file contains 9 columns and several thousand lines. The below is a test.

> ...

>> For 1000 files, it will take over 2 minutes. I wonder whether there is a way to do it very quickly.

>

> You are probably limited by I/O. You can investigate:

> 1. SSD or hybrid SSD drive

> 2. Some kind of "RAM disk"

> 3. Whether you can satisfy your requirements by writing unformatted binary files with WRITEU instead of formatted binary files with PRINTF.

> 3. Computer with better CPU and I/O throughput performance.

> Other than using binary files, there's really nothing you can do to your IDL code to make it faster.

>

> Craig

If you need it ultimately in ascii, one option is to have IDL write it in binary and then post-process it with a simple C program, which should be able to do the I/O much faster.

-Jeremy.

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