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Thread: [Writing characters to a file instead of encrypting = faster=?](#)

Dangerous Beef - May 22, 2017, 11:18 am

Been wondering if it's actually faster than encrypting a file, say you write 512 bits to a file. That should be faster than reading + Encrypting + Writing right ?

If so why doesn't encryption based software do this instead ?

archangel.dmitry - May 22, 2017, 5:45 pm

Encryption puts additional overhead on timing unless it is supported on hardware level.

Dangerous Beef - May 23, 2017, 2:23 am

(May 22, 2017 05:45 PM)archangel.dmitry Wrote: [\[CITE\]](#) Encryption puts additional overhead on timing unless it is supported on hardware level.

Even though it's hardware accelerated it would still need to write the data all over again.

archangel.dmitry - May 23, 2017, 4:48 pm

It depends on implantation. Many SSDs support hardware encryption without a need to "write the data all over again".

Dangerous Beef - May 23, 2017, 5:28 pm

(May 23, 2017 04:48 PM)archangel.dmitry Wrote: [\[CITE\]](#) It depends on implantation. Many SSDs support hardware encryption without a need to "write the data all over again".

Did some research and it appears there is a performance degradation with Drive encryption though it's mainly based on the processor and drive in question. I guess i have to test it for myself to see if it's actually faster or not. Thanks though.