

# Operating Systems: Debian, Clear Linux, OpenSUSE and Vista 10

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[John Goerzen: Tips for Upgrading to, And Securing, Debian Buster](#) [6]

Wow. Once again, a Debian release impresses me ? a guy that?s been using Debian for more than 20 years. For the first time I can ever recall, buster not only supported suspend-to-disk out of the box on my laptop, but it did so on an encrypted volume atop LVM. Very impressive!

For those upgrading from previous releases, I have a few tips to enhance the experience with buster.

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## [Clear Linux Could Soon Be Faster Within Containers On AVX2 Systems](#) [7]

While Clear Linux as part of its standard bare metal installations has long defaulted to having an AVX2-optimized GNU C Library installed by default, it turns out that it wasn't part of the default os-core bundle as used by containers. That though is changing and should yield even better out-of-the-box performance when running Clear Linux within containers.

Intel's William Douglas sent out the proposal for adding the AVX2 version of the Glibc libraries into the os-core bundle in order to get picked up by containers and other bare/lightweight Clear configurations.

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## [OpenSUSE Enables LTO By Default For Tumbleweed - Smaller & Faster Binaries](#) [8]

The past few months openSUSE developers have been working on enabling LTO by default for its packages while now finally with the newest release of the rolling-release openSUSE Tumbleweed this goal has been accomplished.

As of today, the latest openSUSE Tumbleweed release is using Link-Time Optimizations (LTO) by default. For end-users this should mean faster -- and smaller -- binaries thanks to the additional optimizations performed at link-time. Link-time optimizations allow for different optimizations to be performed at link-time for the different bits comprising a single module/binary for the entire program. Sadly not many Linux distributions are yet LTO'ing their entire package set besides the aggressive ones like Clear Linux.

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## [Investigating why my 7-year old Windows 10 laptop became unbearably slow](#) [9]

The laptop had also begun to run into blue screens of death (BSOD) whenever I used the built-in camera and when I opened Spotify or Netflix in a web browser. The slowdown and crashes were actually related, but I didn't realize this at first. The camera-induced BSOD error message blamed the camera vendor's driver without any further details. This sounds believable enough for a 7-year old laptop so I didn't think any more of it.

[GNU Linux Microsoft Debian SUSE](#)

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**Source URL:** <http://www.tuxmachines.org/node/126011>

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[5] <http://www.tuxmachines.org/taxonomy/term/117>

[6] <https://changelog.complete.org/archives/9999-tips-for-upgrading-to-and-securing-debian-buster>

[7] [https://www.phoronix.com/scan.php?page=news\\_item&px=Clear-Linux-Containers-AVX2-Def](https://www.phoronix.com/scan.php?page=news_item&px=Clear-Linux-Containers-AVX2-Def)

[8] [https://www.phoronix.com/scan.php?page=news\\_item&px=OpenSUSE-Tumbleweed-LTO](https://www.phoronix.com/scan.php?page=news_item&px=OpenSUSE-Tumbleweed-LTO)

[9] <https://www.ctrl.blog/entry/slow-windows-hvci.html>