

Linux has no domino effect

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The domino effect. This means that when one part of an electronic component fails, the surrounding parts also fail. Just like a row of falling domino's. The same thing can also happen in software. Linux does not have this problem due to the nature of the operating system.

When a program fails, or crashes, under a Linux system then only that program is effected. It is then just a simple matter of restarting that particular program and continuing on. Even if other programs are dependent on that program then in the worst case they will crash too. Most of the time they will just pause until the previously crashed program has started up again.

It is all because most of the programs in Linux are not tightly coupled with each other and in the way Linux cleans up its open files as well as its memory management. Even programs that you think are tightly coupled, the K Desktop Environment for example, are in reality quite loosely coupled.

[rest here](#) [2]

[Linux](#)

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