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GUI vs. CLI

Graphic User Interfaces (GUI) can often come off as more visually pleasing and user friendly in comparison to their more raw and complex counterpart, the Command Line Interface (CLI). Due to this user-friendliness, GUI's are abundant when it comes to everyday technology such as gaming consoles, smartphones, tablets, and computers. Humans rely more on vision than any other of their six senses which makes the GUI the optimal choice for the general public.

The benefits of the Command Line Interface (CLI) come from behind the scenes. Where GUI may make it easier to the average person, someone with more experience and knowledge is going to be able to troubleshoot with a CLI. On top of gaining skills like troubleshooting, the user will be much more efficient, especially when managing large numbers of systems.

A GUI may save you time and headache due to its simplicity but it will not be saving you space. On top of taking up a considerable amount of space, the user is limited when it comes to making adjustments as these systems do not adapt very much if at all.

Although the CLI is more often than not going to be the more efficient system, it takes much more precision. Small mistakes will cause the command to fail. Precision obviously requires skill developed over time. Thus, the CLI is going to cater more towards the veterans in such a field since it will be quite difficult to those who are not already familiar with this system.

For someone not as tech savvy or more fresh to using complex technology, the GUI is going to suit them much better. The more seasoned technology users will most likely favor a CLI. Regardless of the users experience, both systems have their advantages and disadvantages for certain situations.