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Writing Topic 2: I/O and Provided Functionality

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Overall idea.

BLOCK AND CHARACTER

Block and Character

Block devices and character devices implement I/O differently. Block devices include disk drives which implement commands that can read, write, and seek. Character devices include a more simpler user interface, and use such commands like get and put. Such devices that would characterize as character devices would include keyboards, mice, and serial ports. [1]

Different types of devices I/O scheduling etc.

Windows

Similarities to Linux

Differences to Linux

Why these similarities and differences exist

FreeBSD

Similarities to Linux

Differences to Linux

Why these similarities and differences exist

FUNCTIONALITY

Functionality

Data structures Algorithms Cryptography

Windows

Similarities to Linux

Differences to Linux

Why these similarities and differences exist

FreeBSD

Similarities to Linux

Differences to Linux

Why these similarities and differences exist

REFERENCES

- [1] Z. Shao. (2016) *Lecture 15: I/O Devices and Drivers* [Online]. Available:
<http://flint.cs.yale.edu/cs422/lectureNotes/L15.pdf>
- [2] N. Veerapen. (2016) *Computer Security, Lecture 2* [Online]. Available:
http://www.cs.stir.ac.uk/courses/CSC9T4/lectures/CSCU9T4_Security2_s16.pdf