

Summary:

Throughout this lab, I've learned about how the FAT-12 Filesystem works and understanding the different parts, mechanics, and inner workings of the layout. Using little-endian, we can understand how to decode the bootsector by moving the buffer, convert into big endian, point the boot sector to a specific sector, then reading that sector, swapping, and continuing the process for each sector and partition. Then once done, I learned that we have to then parse the directory by the time, size, attributes, filename, and date. This took a while to learn where the hex offset was, but once done can be a relatively simple process. Overall, I've learned a lot and think this will be helpful to know in the future.