

FxS 1.0

Fast & eXtensible file System.

As its name suggests, FxS is a fast and extensible file system, designed to support disks with a maximum size of **16384 petabytes** and to be very **easily** read. (*hopefully:P*)

Note: this file system is intended to be included in my future project (*Flex OS*). So, stay tuned :D

Basic layout of the FxS file system:

MBR (1 sector)	File Descriptor #1 (1 sector, see the table below.)	File Descriptor #2	...	Data Array...
-------------------	--	--------------------	-----	---------------

- MBR: This is the first sector in the volume which boots up legacy computers like the other file systems, support for *EFI-based computers* is planned to be added soon.

- File Descriptors: These tables describe all the files in the volume – that's all. BTW, each one casually fits in one sector :D:

Offset	Size	Description
0x0	128 bytes	<i>The file name stored in big endian byte order.</i>
0x80	8 bytes	<i>The starting LBA of the file stored in big endian byte order.</i>
0x88	8 bytes	<i>The ending LBA of the file stored in big endian byte order.</i>

And the rest is filled with zeros to fit in one sector and left for future expansion.

- Data Array: ...And the rest of the is reserved for the files' contents innit?!