

QMEFS (Quantum Meadows ETERNAL File System)

proposal for a perfect file system

Maximum capacity: 250,000.000,000,000 Yottabytes
(250,000,000,000,000,000,000,000,000,000,000 bytes)

Bit: 256

Allowed characters in file names: All, except for /

DateFormat: YYYY/MM/DD

DateStart: ~~Hadean era (4.6 BYA)~~ 13.787 BYA (Starting from the Big Bang) → max 256 bit value from this point

Time: Planck seconds (deep time) nanoseconds (user time)

Deduplication: Optional, not enabled by default

Unicode: YES!!!

Max files per folder/directory: 340,282,366,920,938,463,463,374,607,431,768,211,455

Max # of directories: 340,282,366,920,938,463,463,374,607,431,768,211,455

Maximum file path: 2,147,483,647 characters per line

Inspired by these file systems: openZFS, NTFS, ext4, btrfs

Other specs: unlisted/coming soon

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