

MemoryBufferHeader

- + unsigned char isValid
- + unsigned char isDirty
- + unsigned char isBufferBeing WrittenNow
- + int request_write_count
- + sem_t write_lock
- + long block_number
- + long long block_size_byte
- + uint8 t buffer precalculated hash
- + long lastestAccessedTime Stamp
- + unsigned int access _count
- + unsigned long long lastest accessing timestamp

+header

MemoryBuffer
+ char * buffer