

LOGGING FAILED REQUESTS DO NOT WORK

Questions:

Multithreaded: 1.29s

Singlethreaded: 1.56s

The bottleneck for my system is most likely the number of cores a processor has. Since its a dual core processor, only two threads can be actively running at a time. So even if I run the program with worker threads, the OS will be using virtual threads switching between them.

There can be 8 dispatcher threads running at a time, just not in the critical region of popping of queue. There can be 8 worker threads happening at a time, as long as they're not accessing globalConLen. There can also be 8 writers writing to the log file at any time because of pwrite using the offset to write to the file.

Testing:

Tested with multiple curl and put requests separated by a ;.