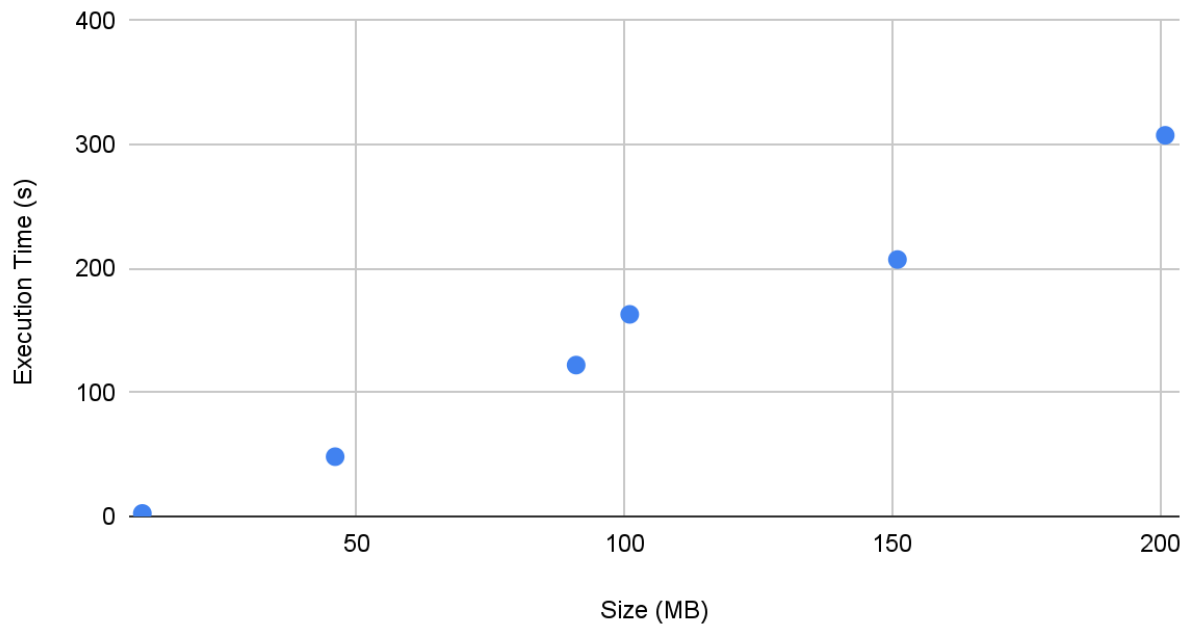


Execution Time (s) vs. Size (MB)



The biggest thing hindering the speed files get transferred is the default buffer size. 256 bytes becomes a smaller and smaller number as the size of the files increase. Another part of the program that hinders the transfer speed is how in my implementation the client can only request one chunk at a time. Another thing contributing to the slower file transfer speed is the fact that the vm that I'm testing these on has 1GB of memory. As I continue to test the files, the ram gets full and can no longer store the data and copy, leading to the disk being used which slows down the transfer significantly.