



This trend does make sense. As the size increases, the time increases proportionally. This linearity is due to the client and server transfer files in fixed chunk files with larger files taking longer to transfer.

The main bottleneck is caused by the request-response protocol being called repeatedly. Every time a chunk of data is transferred, a message is required to be sent back from the client, and a response is then required from the server. This slows down the speed at which files can be transferred.