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| --- | --- | --- |
| Shiny application withlocal network (200Mbps) | Upload | Download |
| 0.25 GB | 9s, 8s, 9s | 9s, 9s, 8s |
| 0.5 GB | 15s, 16s, 16s | 14s, 15s, 14s |
| 0.75 GB | 23s, 25s, 22s | 21s, 21s, 22s |
| 1 GB | 35s, 36s, 31s  | 28s, 29s, 28s |
| 2 GB | 58s, 60s, 62s | 60s, 58s, 57s |
| 4 GB | 123s, 113s, 119s | 120s, 118s, 112 |
| 8 GB | 264s, 251s, 254s | 229s, 225s, 226 |

R command ‘options(shiny.maxRequestSize = 30000 \* 1024^2)’ was used to set the maximum limitation

(30GB) of uploading files via using Shiny application. ‘client\_max\_body\_size 30G’ was used to set the maximum limitation

(30GB) of uploading files via using nginx reverse proxy