

## Performance Evaluation

Deploy 3 peers on one machine, and send queries repeatedly.

### Single Peer

s/respond	Test1	Test2	Test3	average
Search single file	1.010008348	1.010077111	1.009302238	1.009795899
Search a file in 3 peers	1.013264866	1.014293925	1.013332262	1.013630351

### Multiple Peers

Number of peers	Test1	Test2	Test3	average
2	1.010863978	1.011531088	1.012917005	1.011104024
3	1.013401255	1.018214556	1.018718863	1.017044891

From the form above we can see that the average response time for multiple peers is larger than single peers, since every queries will consume the bandwidth of a network.