

- Test script : test.sh
- Test log files are placed in test_log folder in the source code
- time command of linux is used to calculate the performance
- Buffer size is set to a maximum of 4096 bytes for every read / write

Test Case 1 :

A peer client tries to access a file of varying sizes of 1.1K, 2.1K, 4.2K, 8.3K and 11K . It iterates for 1000 times sequentially.

Index Server : csrocks

Peers : compute-0-0, compute-0-1

No of Peer clients : 1

Iterations : 1000

Si. No	File Size	Time taken (seconds)
1	1.1K	5.272
2	2.1K	5.364
3	4.2K	46.058
4	8.3K	86.746
5	11K	86.811

Test Case 2 :

2 peer client tries to access a file of size 4.2K. It iterates for 1000 times sequentially.

Index Server : csrocks

Peers : compute-0-0, compute-0-1, compute-0-2

No of Peer clients : 2

Iterations : 1000

Time taken by peer_1	46.056
Time taken by peer_2	45.54

Test Case 2 :

4 peer client tries to access a file of size 4.2K. It iterates for 1000 times sequentially.

Index Server : csrocks

Peers : compute-0-0, compute-0-1, compute-0-2, compute-0-3, compute-0-5

No of Peer clients : 4

Iterations : 1000

Time taken by peer_1	46.158
Time taken by peer_2	45.558
Time taken by peer_3	45.668
Time taken by peer_4	45.741

Test Case 2 :

2 peer clients parallely tries to access a file of size 512K 10 times sequentially

Index Server : csrocks

Peers : compute-0-0, compute-0-1, compute-0-2

No of Peer clients : 3

Time taken by peer_1	2.366
Time taken by peer_2	2.456
Time taken by peer_3	2.713