

- 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 : Relay Test Case

compute-0-0 ----- compute-0-1 ----- compute-0-2 ----- compute-0-3

Here we try to search a file from compute-0-0 and the file should be served by compute-0-3. This is to test that the request are relayed properly.

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

Multiple clients trying to fetch the file

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 : Star Test Case

4 Nodes :

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

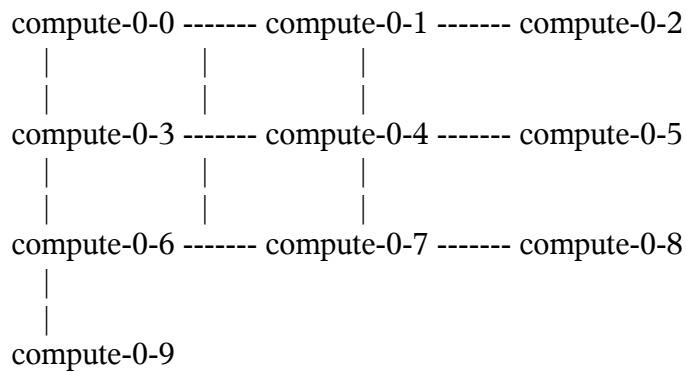
Si. No	File Size	Time taken (seconds)
1	1.1K	5.272
2	2.1K	5.364
3	4.2K	46.058
4	8.3K	86.746
5	11K	86.811

Multiple clients trying to connect

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 3 :

10 Nodes : compute-0-0, compute-0-1, compute-0-2, compute-0-3, compute-0-4, compute-0-5, compute-0-6, compute-0-7, compute-0-8, compute-0-9



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

Multiple clients trying to connect

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