Evaluation part - I

This evaluation is performed on peers running concurrently. Number of file performing on each peer are constant i.e 10K and each file has size 1KB.

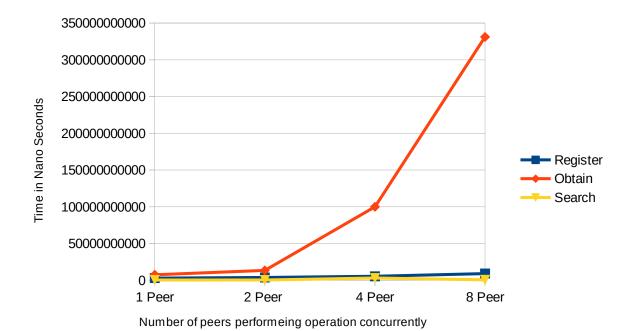
Evaluation is performed on 4 different cases.

- 1. Running single Peer.
- 2. Running 2 Peers concurrently.
- 3. Running 4 Peers concurrently.
- 4. Running 8 Peers concurrently.

10000 files are processed on each peer. Each size of file is 1KB.

Following is the evaluation report for time required for different operation on different cases. More details about evaluation is mention after graph.

	Time required for operation in Nano Second		
	Register	Obtain	Search
1 Peer running	2901782137.00	7504035389.00	388144684.00
2 Peer running concurrent	3751360093.50	13377177791.50	376336908.00
4 Peer running concurrent	5395409368.25	99919666915.25	2939691872.00
8 Peer running concurrent	9051438099.12	331067504897.75	5336265000.62



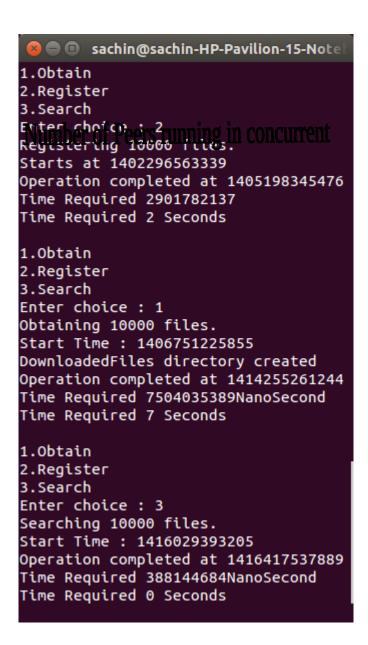
1. Total Number of Peers Connected: 1

Files each server processing: 10000 Files

Total Number of files system processing: 10000 (1 * 10000)

Each file Size: 1 KB

	Time require	Time required for operation in Nano Second		
	Register	Obtain	Search	
Peer 1	2,901,782,137	7,504,035,389	388,144,684	



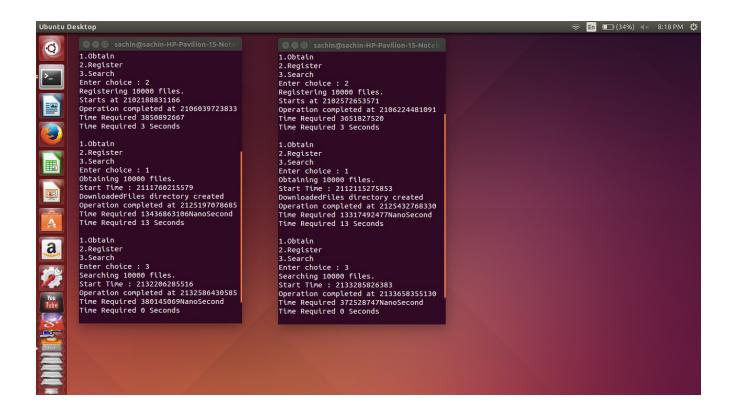
2. Total Number of Peers Connected: 2

Files each server processing: 10000 Files

Total Number of files system processing: 20000 (2 * 10000)

Each file Size: 1 KB

	Time required for operation in Nano Second		
	Register	Obtain	Search
Peer 1	3,850,892,667	13,436,863,106	380,145,069
Peer 2	3,651,827,520	13,317,492,477	372,528,747
Average	3751360093.5	13377177791.5	376336908

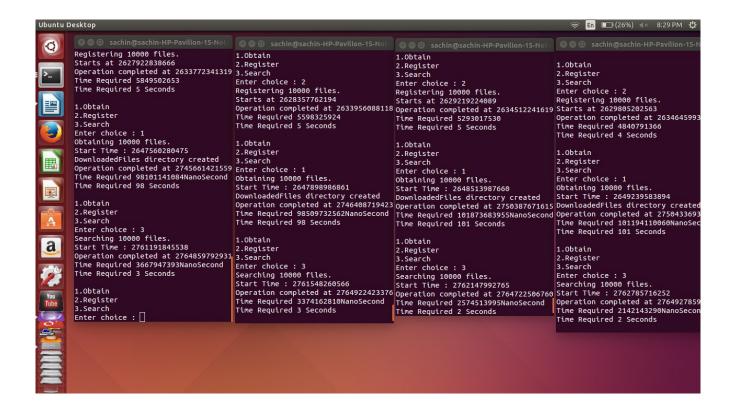


3. Total Number of Peers Connected : 4
Files each server processing : 10000 Files

Total Number of files system processing: 40000 (4 * 10000)

Each file Size: 1 KB

		Time required for operation in Nano Second		
		Register	Obtain	Search
Peer 1		5849502653	98101141084	3667947393
Peer 2		5598325924	98509732562	3374162810
Peer 3		5293017530	101873683955	2574513995
Peer 4		4840791366	101194110060	2142143290
Averag	ge	5395409368.25	99919666915.25	2939691872



4. Total Number of Peers Connected: 8
Files each server processing: 10000 Files

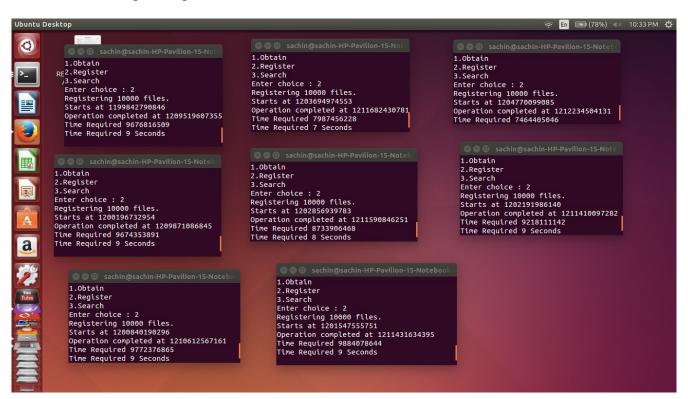
Total Number of files system processing: 80000 (8 * 10000)

Each file Size: 1 KB

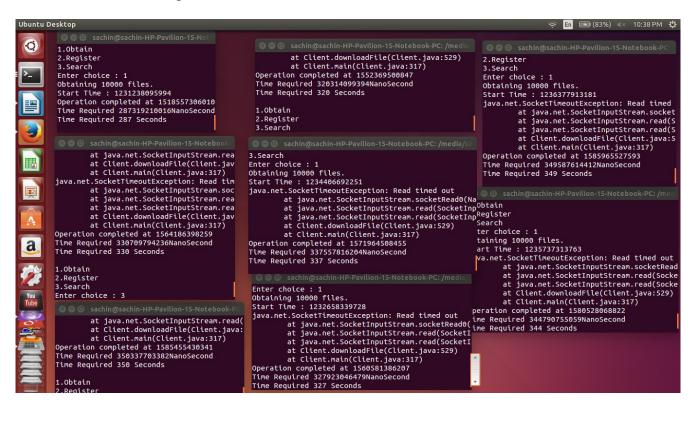
Time required operation:

	Time required for operation in Nano Second		
	Register	Obtain	Search
Peer 1	9676816509	287319210016	619765373
Peer 2	7987456228	320314099394	521413836
Peer 3	7464405046	349587614412	539793281
Peer 4	9674353891	330709794236	558844515
Peer 5	8733906468	337557816204	527867775
Peer 6	9218111142	344790755059	525499690
Peer 7	9772376865	350337703382	450870323
Peer 8	9884078644	327923046479	524957212
Average	9051438099.125	331067504897.75	533626500.625

Screen-shot for Register Operation =>



Screen-shot for Obtain Operation =>



Screen-shot for Search Operation =>

