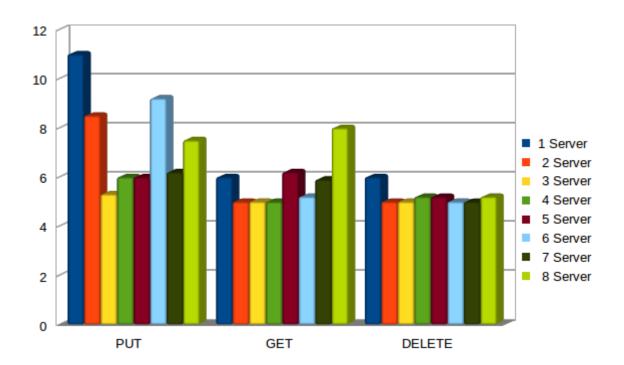
Evaluation Report:

Behavior of the system is evaluated by measuring response time by making 100K sequential requests. The response times is calculated when multiple clients are concurrently making requests. Based on all calculated measurement following graph is ploted.

Following table shows response time of PUT, GET and DELETE request in Seconds. There requests are made by 1 Server, 2 servers concurrently, 3 Servers concurrently and so on.

	1 Server	2 Servers	3 Servers	4 Servers	5 Servers	6 Servers	7 Servers	8 Servers
PUT	11	8.5	5.3	6	6	9.2	6.2	7.5
GET	6	5	5	5	6.2	5.2	5.9	8
DELETE	6	5	5	5.2	5.2	5	5	5.2



Evaluation Measurement Details:

1. Requested By : 1 Server Total Connected Server : 8

Request =>

 Type : PUT
 Type : GET
 Type : DELETE

 Count : 100000
 Count : 100000
 Count : 100000

 Time Required =>
 Time Required =>
 Time Required =>

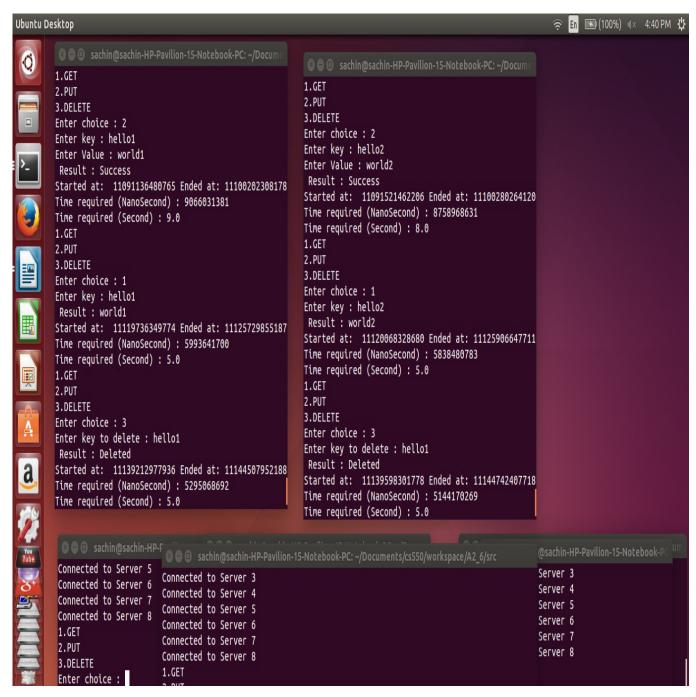
 Server_1 : 11 Sec
 Server_1 : 6 Sec
 Server_1 : 6 Sec

```
🔊 🖨 📵 sachin@sachin-HP-Pavilion-15-Notebook-PC: ~/Docume
1.GET
2.PUT
3.DELETE
Enter choice : 2
Enter key : sachin
Enter Value : ambalkar
Result : Success
Started at: 10852582276083 Ended at: 10864231004016
Time required (NanoSecond): 11648885608
Time required (Second): 11.0
1.GET
2.PUT
3.DELETE
Enter choice : 1
Enter key : sachin
Result : ambalkar
Started at: 10876996174579 Ended at: 10883871106585
Time required (NanoSecond) : 6875064195
Time required (Second): 6.0
1.GET
2.PUT
3.DELETE
Enter choice: 3
Enter key to delete : sachin
Result : Deleted
Started at: 10888923086587 Ended at: 10895136767037
Time required (NanoSecond) : 6213773395
Time required (Second): 6.0
```

2. Requested By: **2 Servers**Total Connected Server: 8

Request =>

Type: PUT Type: GET Type: DELETE Count : 100000 Count: 100000 Count: 100000 Time Required (Sec) => Time Required(Sec) => Time Required => Server_1:9 Server_1:5 Server_1:5 Server 2:8 Server 2:5 Server 2:5 Avg: 8.5 Avg:5 Avg:5



3. Requested By : **3 Servers**Total Connected Server : 8

Request =>

Type: PUT Type: GET Type: DELETE Count: 100000 Count: 100000 Count: 100000 Time Required (Sec) => Time Required(Sec) => Time Required => Server 1:5 Server 1:5 Server 1:5 Server 2:5 Server 2:5 Server 2:5 Server_3:6 Server_3:5 Server_3:5 Avg:5 Avg: 5.3 Avg:5

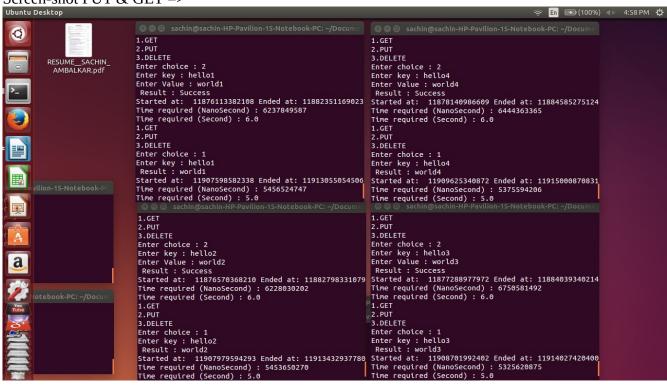


4. Requested By : **4 Servers**Total Connected Server : 8

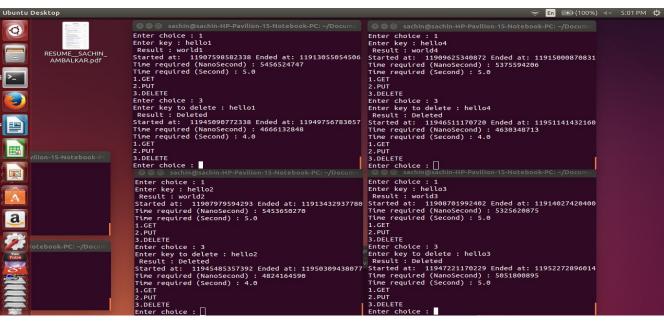
Request =>

Type: PUT Type: GET Type: DELETE Count: 100000 Count: 100000 Count: 100000 Time Required (Sec) => Time Required(Sec) => Time Required => Server 1:6 Server 1:5 Server 1:6 Server 2:6 Server 2:5 Server 2:5 Server_3:6 Server_3:5 Server_3:5 Server_4:6 $Server_4:5$ Server_4:5 Avg:6 Avg: 5.2 Avg:5

Screen-shot PUT & GET =>



Delete:

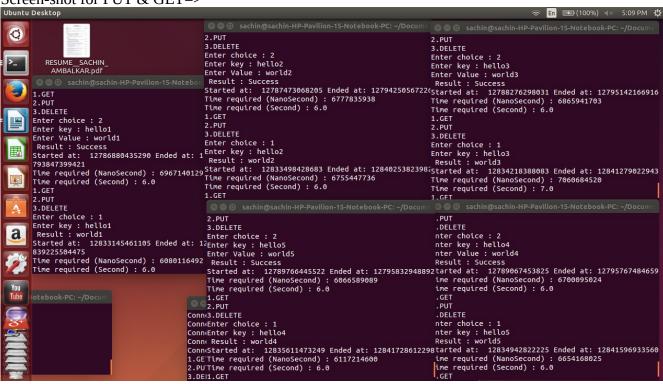


5. Requested By : **5 Servers**Total Connected Server : 8

Request =>

Type: PUT	Type : GET	Type : DELETE
Count: 100000	Count: 100000	Count: 100000
Time Required (Sec) =>	Time Required(Sec) =>	Time Required =>
Server_1:6	Server_1:6	Server_1:5
Server_2:6	Server_2:7	Server_2:5
Server_3:6	Server_3 : 6	Server_3:5
Server_4:6	Server_4:6	Server_4 : 6
Server_5:6	Server_5:6	Server_5 : 5
Avg:6	Avg: 6.2	Avg: 5.2

Screen-shot for PUT & GET=>



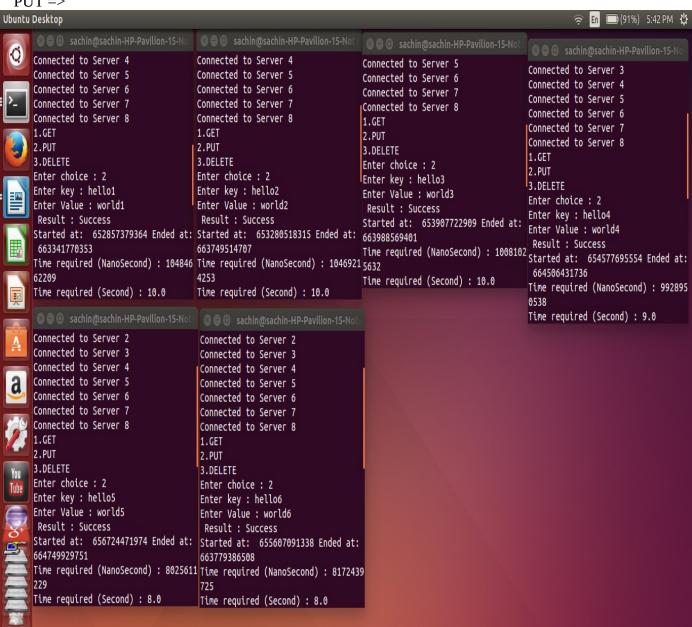
Delete =>

6 Requested By: 6 Servers Total Connected Server: 8

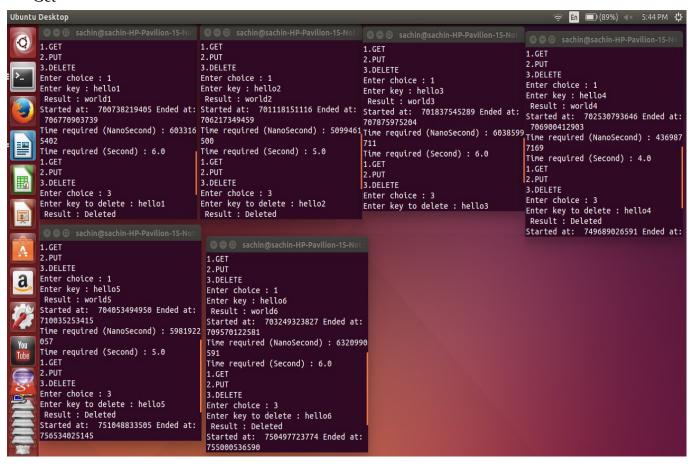
Request =>

-		
Type: PUT	Type: GET	Type: DELETE
Count: 100000	Count: 100000	Count: 100000
Time Required (Sec) =>	Time Required(Sec) =>	Time Required =>
Server_1:10	Server_1:6	Server_1:5
Server_2 : 10	Server_2:5	Server_2:5
Server_3:10	Server_3 : 6	Server_3:6
Server_4:9	Server_4 : 4	Server_4:5
Server_5:8	Server_5 : 5	Server_5 : 5
Server_6:8	Server_6 : 6	Server_6:4
Avg: 9.2	Avg: 5.2	Avg: 5

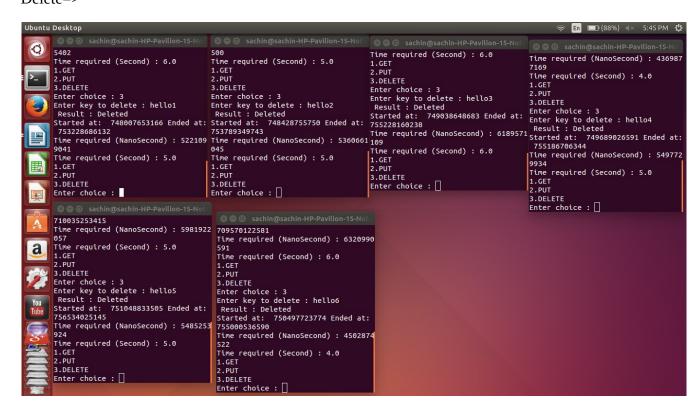
PUT =>



Get=>



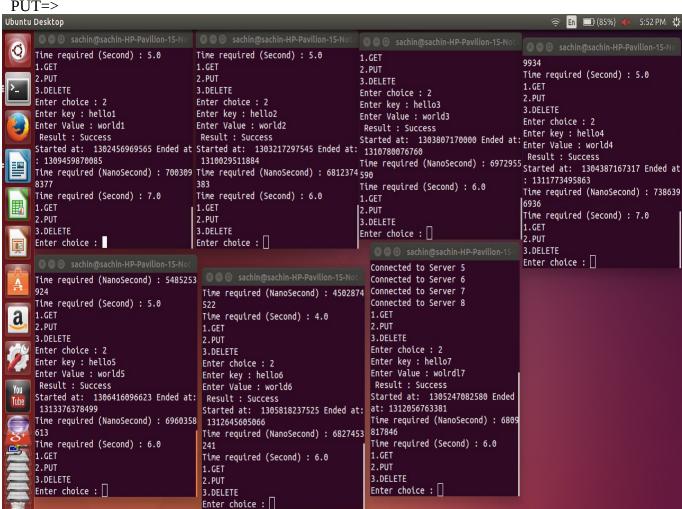
Delete=>



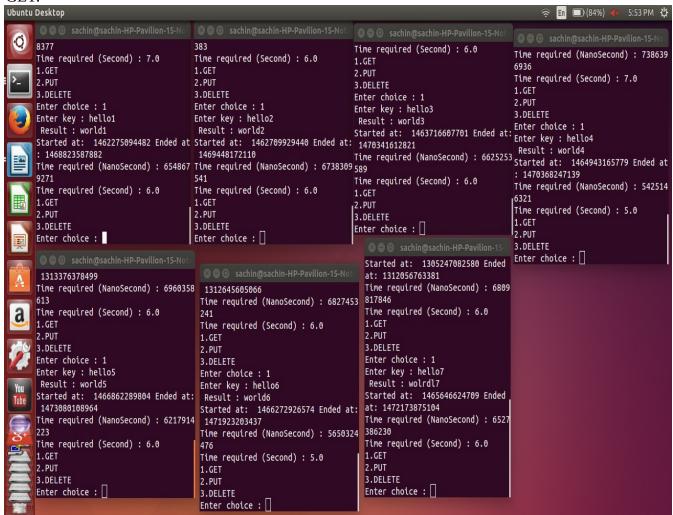
7. Requested By: 6 Servers Total Connected Server: 8

Request => Type: PUT Type: GET Type: DELETE Count: 100000 Count: 100000 Count: 100000 Time Required (Sec) => Time Required(Sec) => Time Required => Server 1:7 Server 1:5 Server 1:6 Server 2:6 Server 2:6 Server 2:5 Server_3:6 Server_3:6 Server_3:5 $Server_4:7$ $Server_4:5$ $Server_4:5$ Server 5:6 Server 5:6 Server 5:5 Server_6:6 Server_6:5 Server_6:5 Server 7:6 Server 7:6 Server 7:5 Avg: 6.2 Avg: 5.9 Avg:5

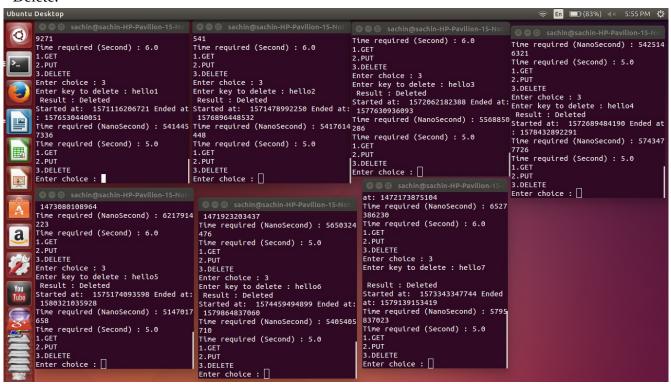
PUT=>



GET:



Delete:



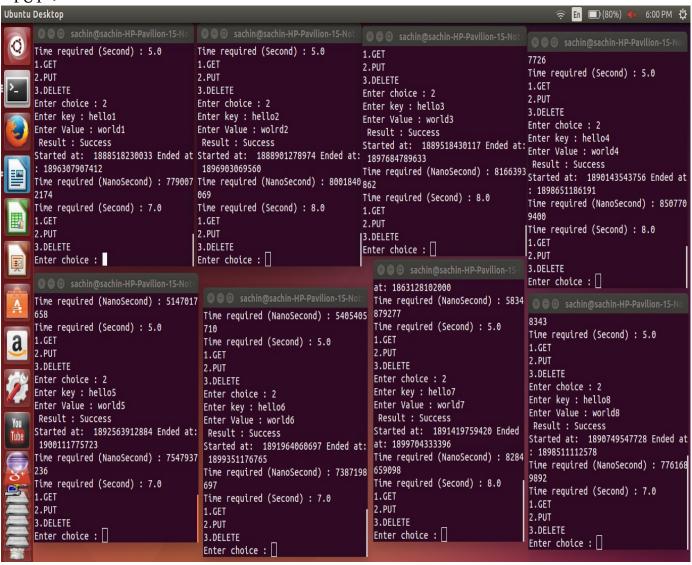
8. Requested By: 8 Servers

Total Server : 8

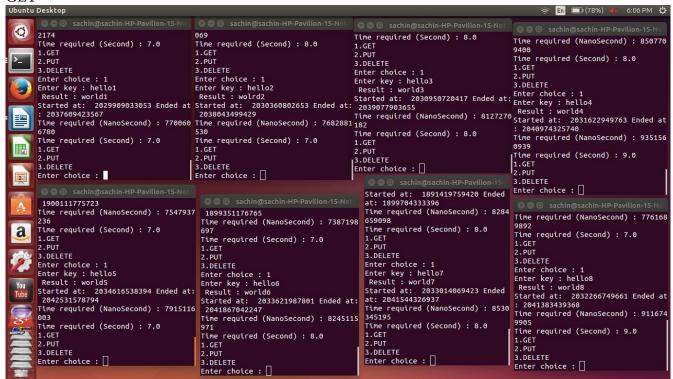
Request =>

quest		
Type: PUT	Type : GET	Type : DELETE
Count: 100000	Count: 100000	Count: 100000
Time Required (Sec) =>	Time Required(Sec) =>	Time Required =>
Server_1:7	Server_1:7	Server_1:5
Server_2:8	Server_2:7	Server_2:5
Server_3:8	Server_3:8	Server_3:6
Server_4:8	Server_4:9	Server_4 : 5
Server_5:7	Server_5:7	Server_5:5
Server_6:7	Server_6:8	Server_6:5
Server_7:8	Server_7:8	Server_7:6
Server_8:7	Server_8:9	Server_8:5
Avg : 7.5	Avg: 8	Avg: 5.2

PUT=>



GET=>



Delete=>

