

# Performance Evaluation for Programming Assignment #1

Both clients and Peer are running on same machine

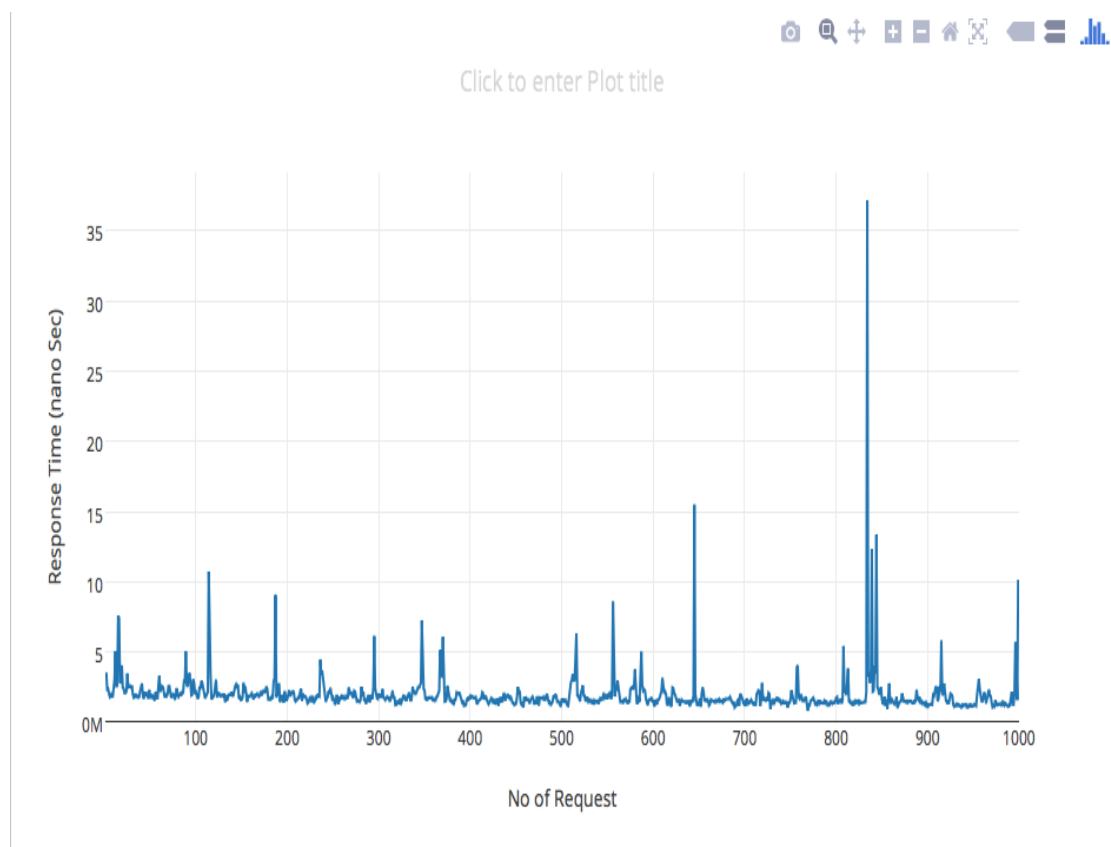
## Test 1

We are making 1000 sequential request from one peer to server for searching functionality of file names present in central index server.

Below graph Represent the response time for each request taken by server.

Unit of Time is in nanosec for better accuracy of result.

### Response Time Graph

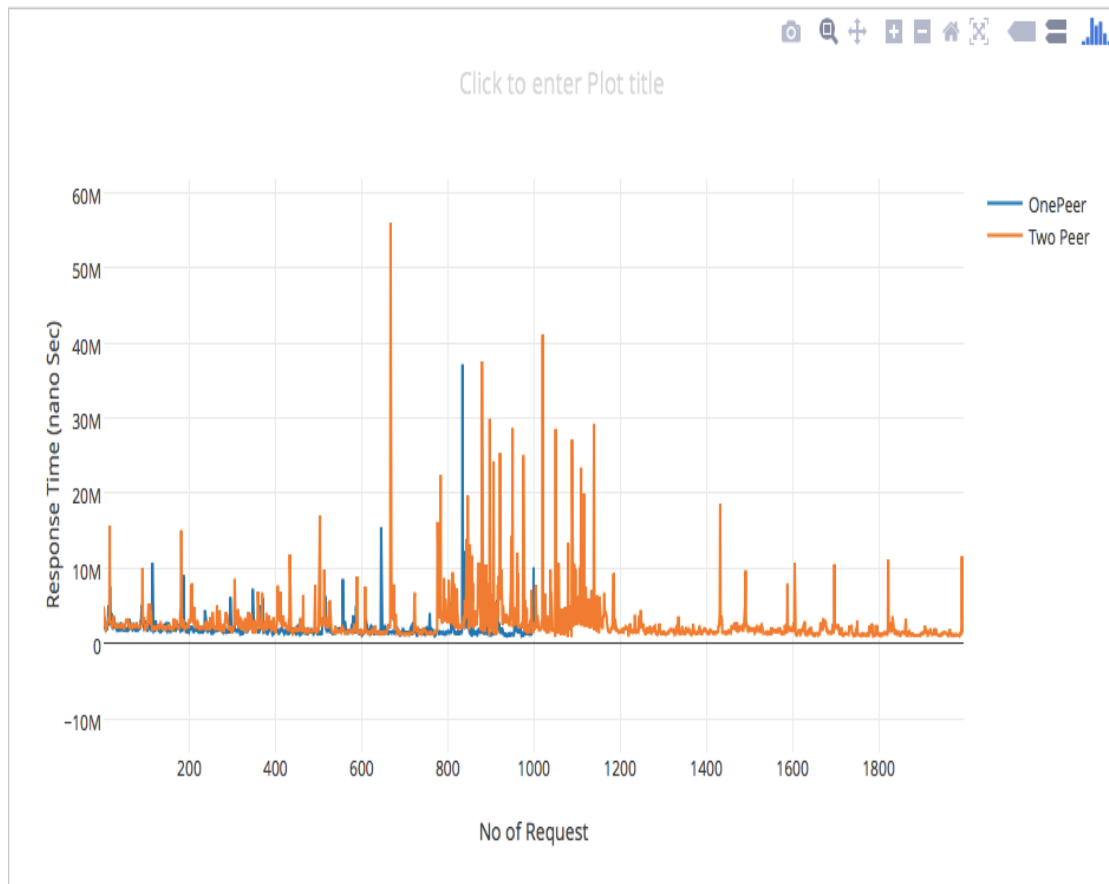


## Test 2

We are making 2000 sequential request from two peer each of them making 1000 request concurrently to server for searching functionality of file names present in central index server. After this we compared the result of Test1 with result of Test 2

Below graph represent response time comparison for each request taken by server during test Test1 and Test 2:

### Comparison graph for response time from server



### Test 3

We are making 3000 sequential request from three peer each of them making 1000 request concurrently to server for searching functionality of file names present in central index server.

After this we compared the result of Test1, Test 2 and Test 3

Below graph represent response time comparison for each request taken by server during test Test1, Test 2 and Test 3:

Result are present in "Response Time.pdf" file

# Comparison graph for response time from server

