Napster-style Peer-To-Peer File Sharing System

Performance Evaluation

CS-550 Advanced Operating Systems
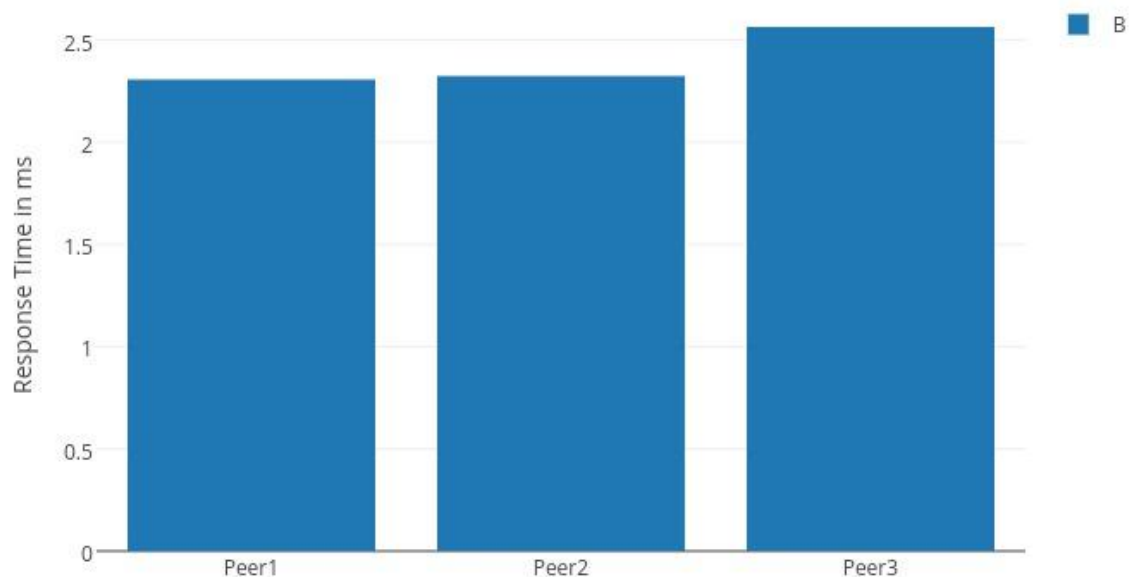
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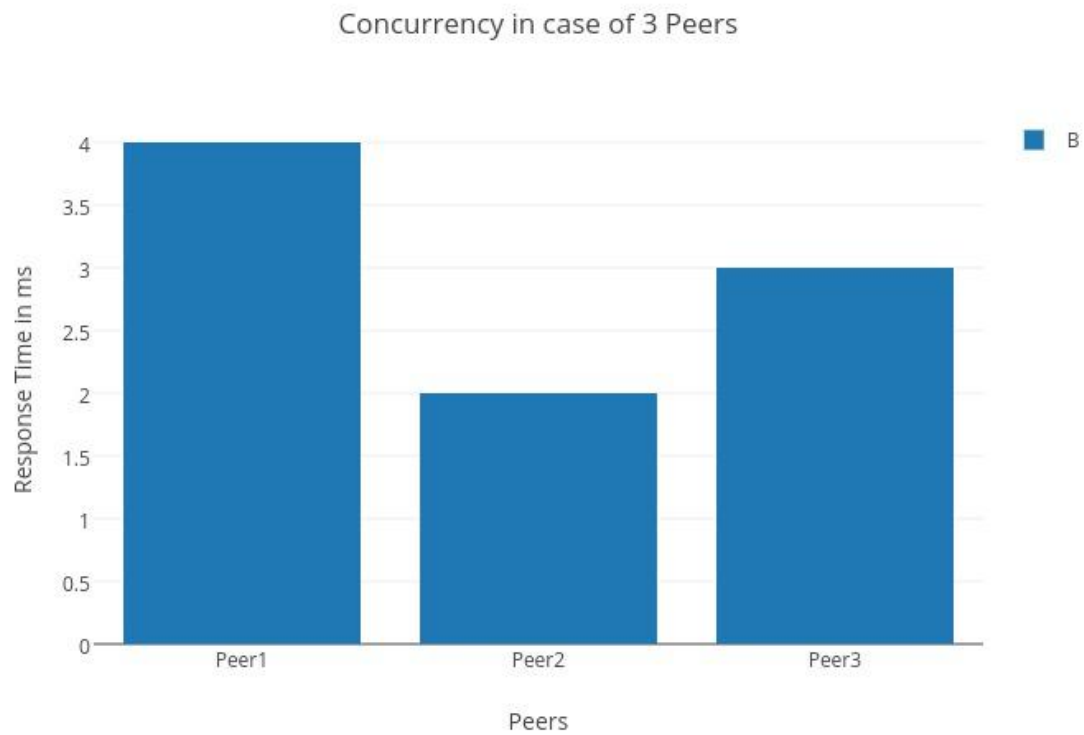
CS550 PA1 Performance Evaluation

Following is the statistics of operations of all the peers

Average response time per client for 1000 sequential search requests to central index server.
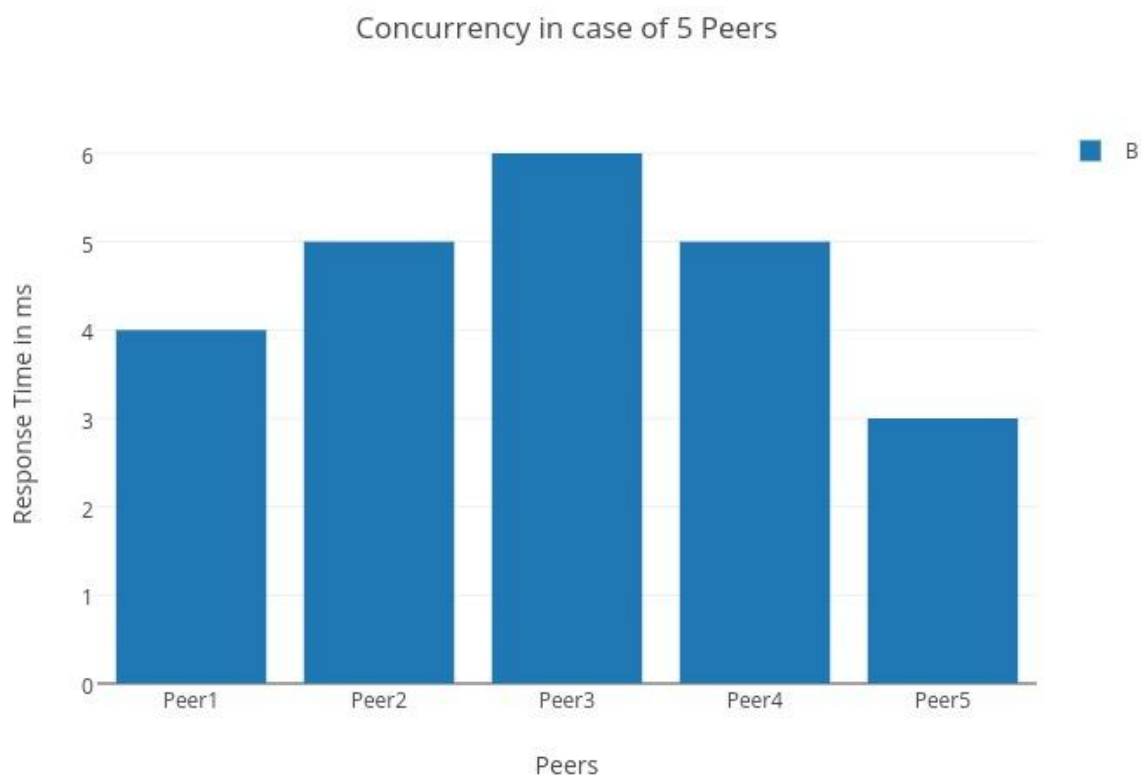

Here Y Axis shows the Average response time in milliseconds for individual peers for 1000 search sequential requests.
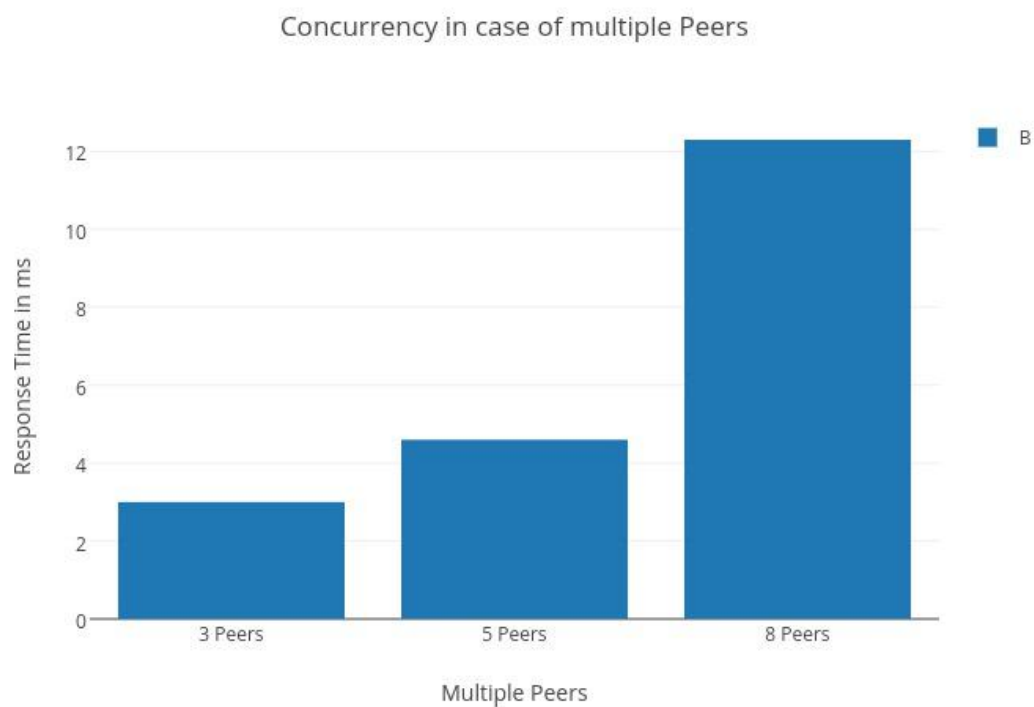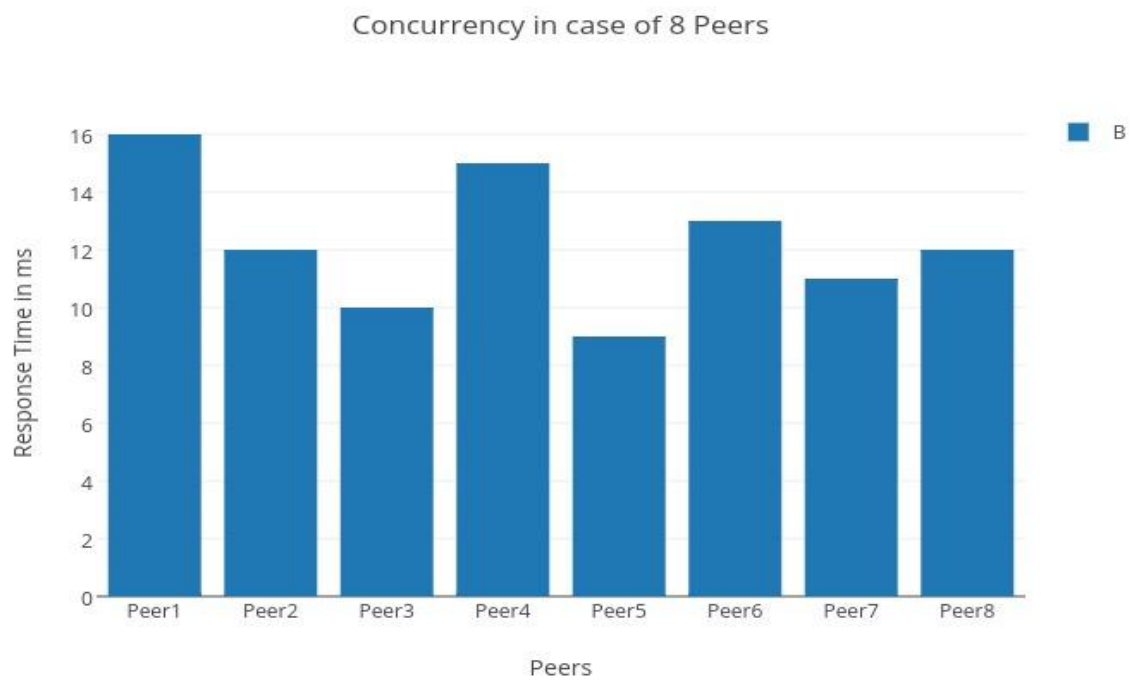
Average response time for 3 peers making concurrent requests to the server.

Concurrency in case of 3 Peers

Average response time for 5 peers making concurrent requests to the server

Concurrency in case of 5 Peers

Average response time for 8 peers making concurrent requests to the server

Concurrency in case of 8 Peers

Concurrency in case of multiple Peers

In case of 3 peers: it is taking 2.6 ms on an average

In case of 5 peers: its taking 4.3 ms on an average

In case of 8 peers: Its taking 12ms on an average