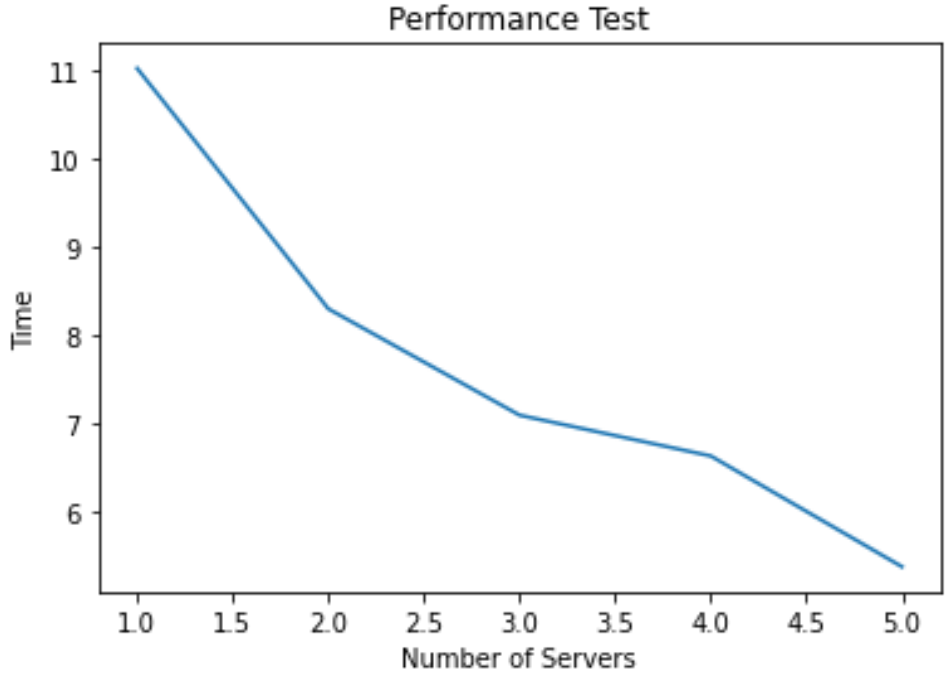
This report describes the performance of our storage service implementation by measuring the latency and throughput for read and write operations in varying scenarios.

Enroll Email data set directory was used to load the seed data to the storage service where every server had a different file storage.

First scenario:

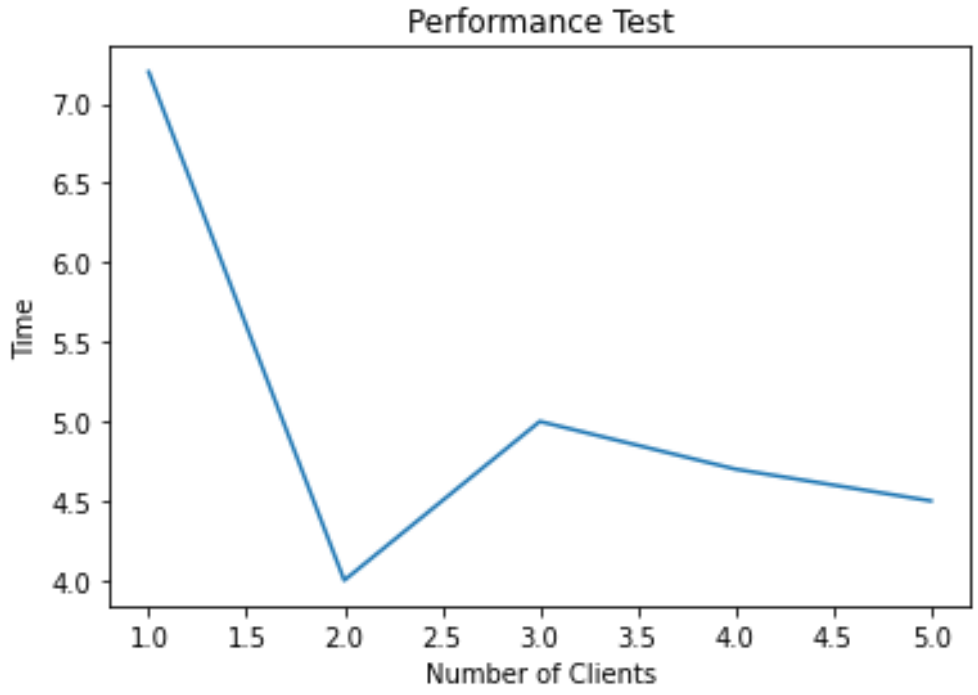
In this scenario, we are changing the different number of storage nodes, participating in the storage service, at starting time.
In this graph, we illustrate the throughput and the latency of our storage service implementation when it is instantiated with 1,2,3,4 or 5 servers.



Second scenario:

In the second scenario, we are changing the different number of clients connected to the service.

In this graph, we illustrate the throughput and the latency of our storage service implementation
when it is instantiated with 1,2,3,4,5 clients.



Third scenario:

In the third scenario, we are changing the different KV server configurations(cache sizes, strategies).
In this table, we illustrate the throughput and the latency of our storage service implementation
using 3 different cache strategies where the storage service consisted of 2 storage nodes.

Cache Strategy	Time (s)
FIFO	5.67
LFU	5.7
LRU	4.7