

# Report

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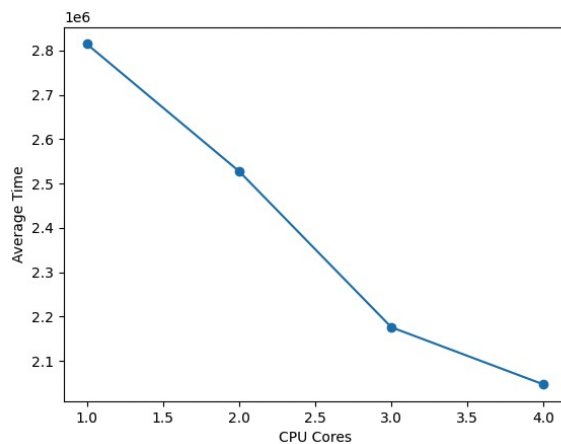
## 1 Introduction

In this report, we tested scalability of our stock exchange system by different strategies.

## 2 Testing different cores

We tested the create account process to our server with 100 requests on different cores.

The performance of executing by different cores is shown below:



As we can see, the total run time is reduced by adding more CPU cores.

## 3 Testing different number of requests

We tested the create account process to our server with different number of requests on the same cores.

The performance of executing by different number of requests is shown below:

Request Num	Total time/ms
1	35965
10	393374
100	3422309
1000	34223098

## 4 Testing multiple client

We tested the create account process to our server with multiple client requests on different cores.

The performance of executing by different cores is shown below:

