Weekly Report Cloud Computing Group No : 6

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What have I accomplished since the last week?

After we decided to proceed with Prometheus and Grafana, I created some dashboards for the metrics that we found were important for monitoring the target machine. Then I created a python script to continuously export metrics from the target machine to my device. The extracted json files were then converted to excel.

What will I accomplish in the coming week?

In the upcoming weeks I will refine the metrics extraction python script to extract data at almost real time. After which I will look at creating a consolidated table preferably a relational database table where I can store the metrics and then make some analysis on it. I will also try to create a GUI where it is possible to choose which metrics are to be evaluated or fetched from the target machine. Besides this I will also try to verify the scripts over a LAN and then finetune it as per the need.

Do I anticipate any obstacles and can the team help me with it?

Currently,I can foresee the challenges that building a consistent dataset with all the important metrics or features will be difficult. I have already communicated this with my team members. We will do a analyze which database is suitable for our needs and then proceed with it.