

Weekly Report Cloud Computing

Group No : 6

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What have I accomplished since the last week?

I worked on building a server that has to be evaluated by the monitoring tool. I looked for some better ways to extract metrics from a Linux OS, by using nmon, which is pretty helpful for monitoring the current states of the system and also the network bandwidths. I also found some relevant models which can be used for predicting service quality migration. Besides this, I worked on installing Nagios and Prometheus to compare the type of data that is generated by both of them. With Prometheus, I tried to use its query language to collect time series data over a defined period. I am currently trying to understand the tools better to compare them and am finding a way to extract the data that is generated by them.

What will I accomplish in the coming week?

I plan to understand the Prometheus tool in a better way and will try to extract the data that can be understood. Further, I will also try to see if it is possible to use this software for monitoring cross-platform servers like Windows, Linux or mac. I will further evaluate the data that it generates to draw some important outcomes of it. For doing so I will use some data analysis techniques with R or use simple statistical analysis.

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

Currently, no, I am not facing any obstacles. With the team members, there is a communication channel going on, through which we resolve any issues that we face.