o Imagine a server with the following specs:
- 4 times Intel(R) Xeon(R) CPU E7-4830 v4 @ 2.00GHz
- 64GB of ram
- 2 tb HDD disk space
- 2 x 10Gbit/s nics

The server is used for SSL offloading and proxies around 25000 requests per second. Please let us know which metrics are interesting to monitor in that specific case and how would you do that? What are the challenges of the monitoring?

Answer:

a. The interesting metrics for me to monitor are:
   - Request rate.
   - Request duration.
   - Error rate.
   - Hardware utilization.

b. We should monitor the performance and availability of this server, we can do that by using a powerful monitoring tool such as Check_mk, Icinga, but before that we should determine the baseline of the metrics to get alert if the server performance exceed this baseline during the monitoring. We can do that by load and performance testing over the server to know the ability of handling Concurrent load.

c. The challenges of the monitoring from my point of view are:
   - Using the proper monitoring tool.
   - The interaction of technical guys on time.
   - I recommend to link the monitoring tool with ticketing system or send an email in the critical case to speed the time of dealing of such cases and avoid any customer impact.

- I suggest to use "caching system" and "Load balancer" to improve the performance of proxy server.