

# Writeup - Assignment 3 Load Balancer

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## WRITEUP Questions

1) Performing this extra computations would be intensive on the programmer as it would be very complicated, but would not increase the time needed for load balancing that much. However, it would increase the memory needed for each server as they would need to be storing and constantly updating extra information. The loadbalancer would also need to be able to access and parse this data which would increase time a small amount as it would add the complexity of exchanges between the server and the load balancer.

2) One thing we could do is parse the header before it even passes onto the server in order to check it for bad requests. This would lower the amount of requests that each server has to process thus speeding up the response times, and decreasing the load on each server.

3) The httpserver is slower b/c it has to do computations on the requests and files including reading, writing, parsing, etc. This takes more time than simply sending any data to a socket and replying with irrelevant data. However, the connection made to each would be the same since before any computations are done the connection is made. The load balancer does not need to compute or parse on the request before making the connection thus they would be the same.