

Task 3 - Scale up

Definitions and Explanations

1. For every additional element, why are adding it?

We've integrated an additional server and a load balancer into our system. This expansion enables us to segregate each component—Nginx for the web server, the code base for the application server, and MySQL for the database—onto their own servers. Simultaneously, we've introduced an extra server housing all components, serving as a backup in case of any component or server failure. Each server undergoes monitoring and is equipped with a firewall. Additionally, an extra load balancer has been implemented to efficiently manage increased traffic across the entire infrastructure.