Definitions and Explanations

Reason for Additional Server and Load Balancer: We've introduced an additional server and load balancer to optimize the system's architecture. The new server facilitates segregation of distinct components—Nginx for the web server, the application server hosting the code base, and MySQL for the database—each residing on its own server. Additionally, a backup server contains all components to ensure continuity if any element or server encounters issues. Each server is under continuous monitoring and is equipped with a firewall. Furthermore, an extra load balancer is integrated to efficiently manage increased traffic across the entire infrastructure.