ALX PROJECT: Web Infrastructure Design

Task 3. Scale up
Definitions and Explanations.
1. Each new element serves a specific purpose in enhancing our infrastructure:
The inclusion of an extra server enables the separation of individual components (web server, Nginx, Application server; code base, and Database; MySQL) onto dedicated servers.
Additionally, having an extra server with all components acts as a backup, ready to take over in case of component or server failures.
Each server is actively monitored and equipped with a firewall to fortify security measures.
The introduction of an additional load balancer contributes to efficiently managing increased traffic across the entire infrastructure.