



In this new configuration,

Load Balancer Cluster: The existing HAProxy instance will be configured as part of a cluster with the newly added load balancer. This creates redundancy in the load balancing layer, ensuring high availability. If one load balancer fails, the other can take over, minimizing downtime.

Split Components: The web server (Nginx), application server, and database server will be separated onto dedicated machines. This improves scalability and enhances maintainability.