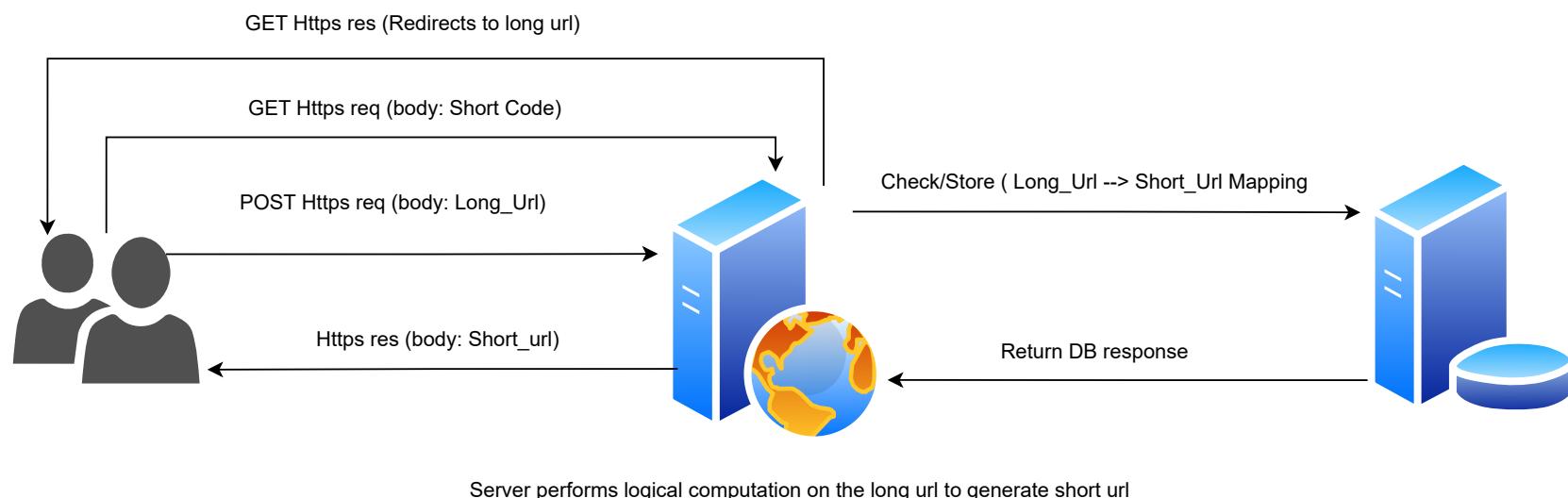
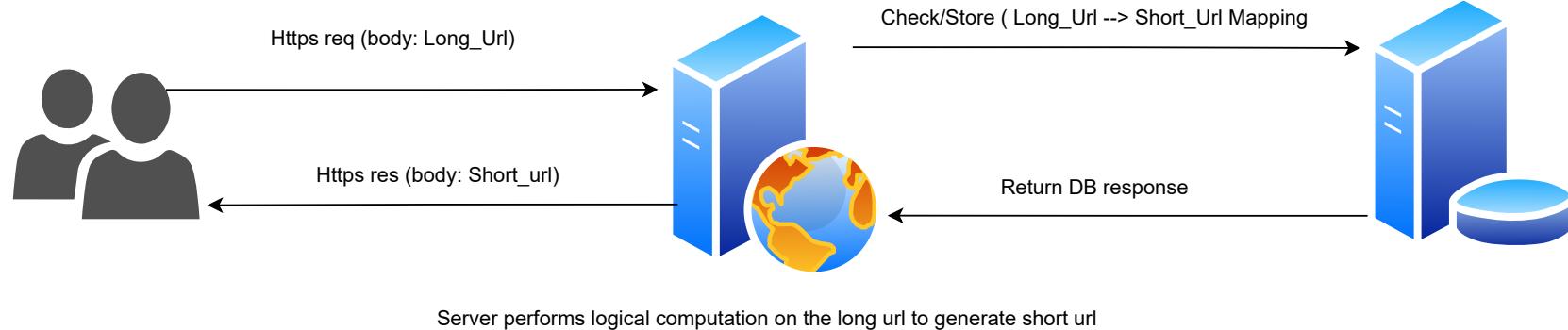
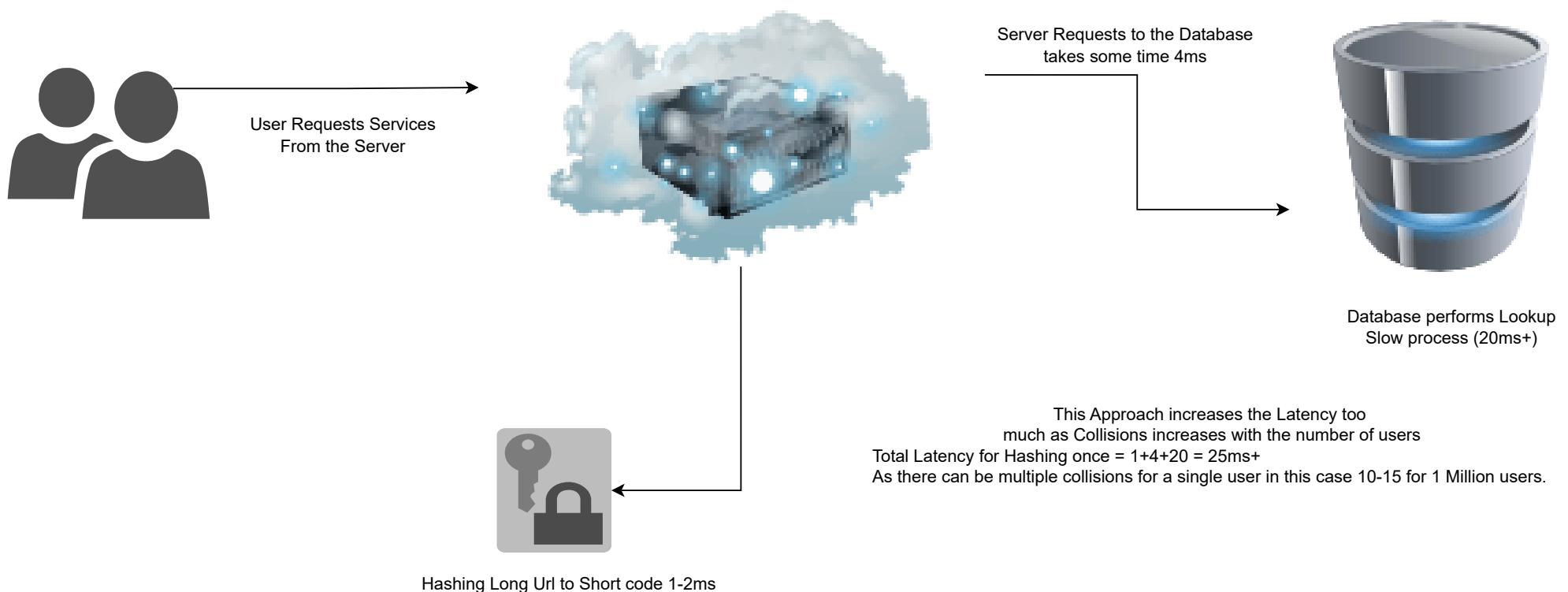
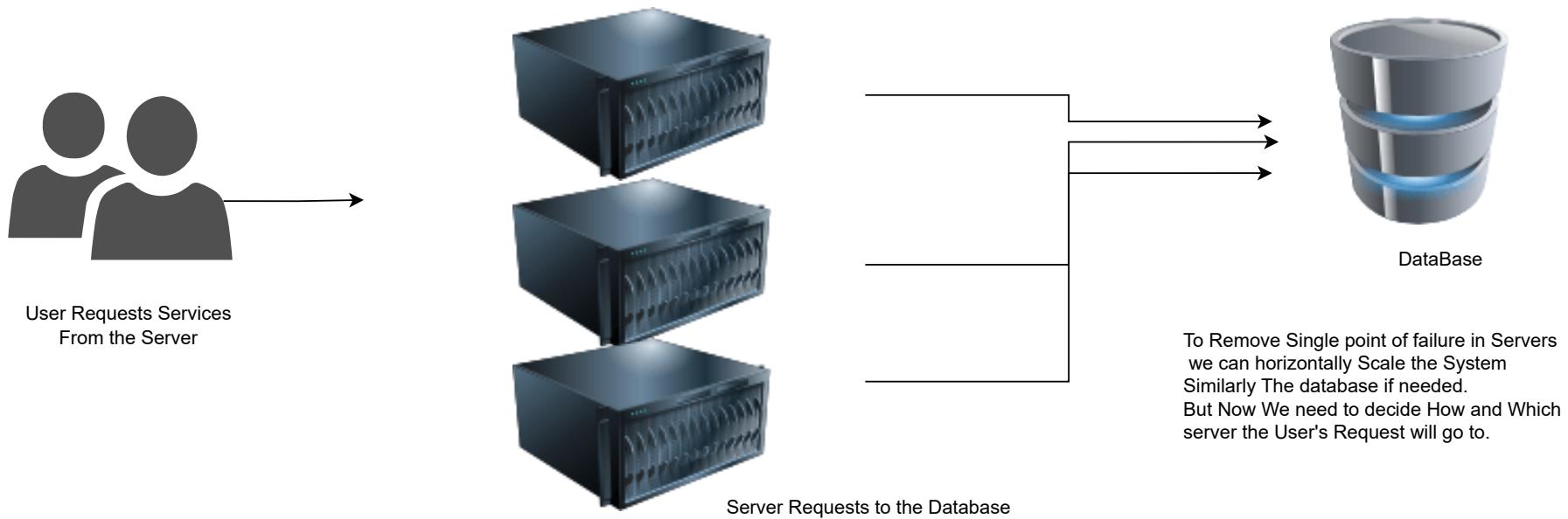
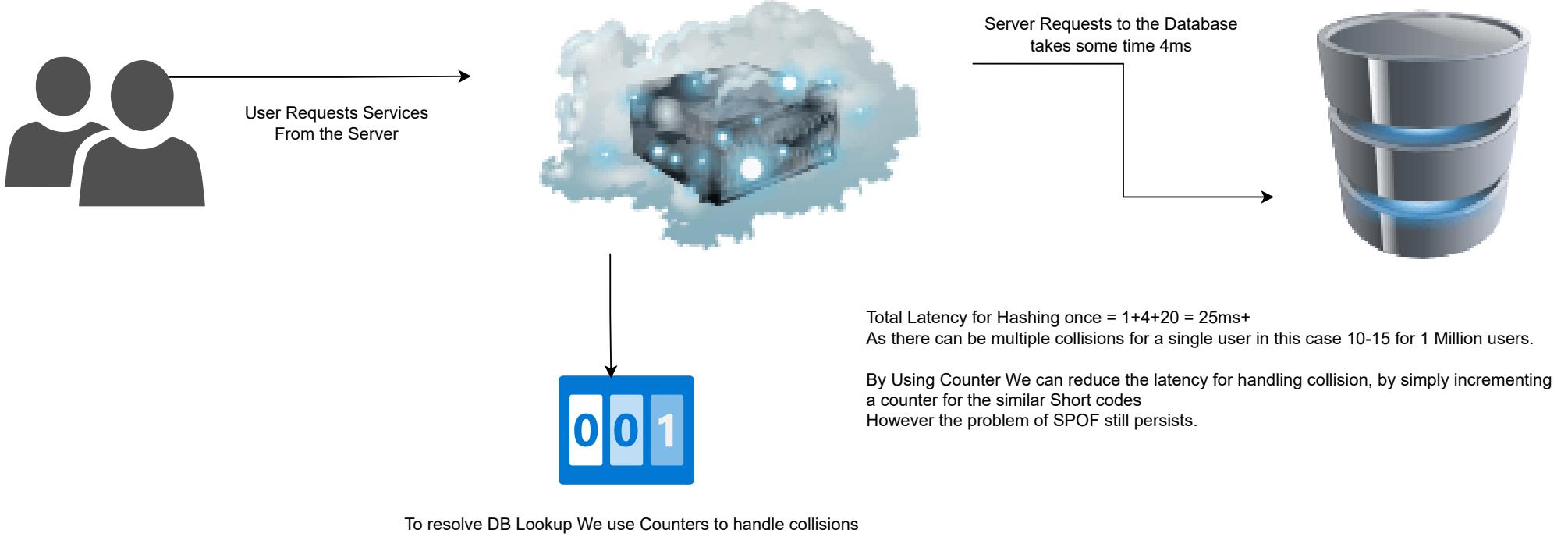


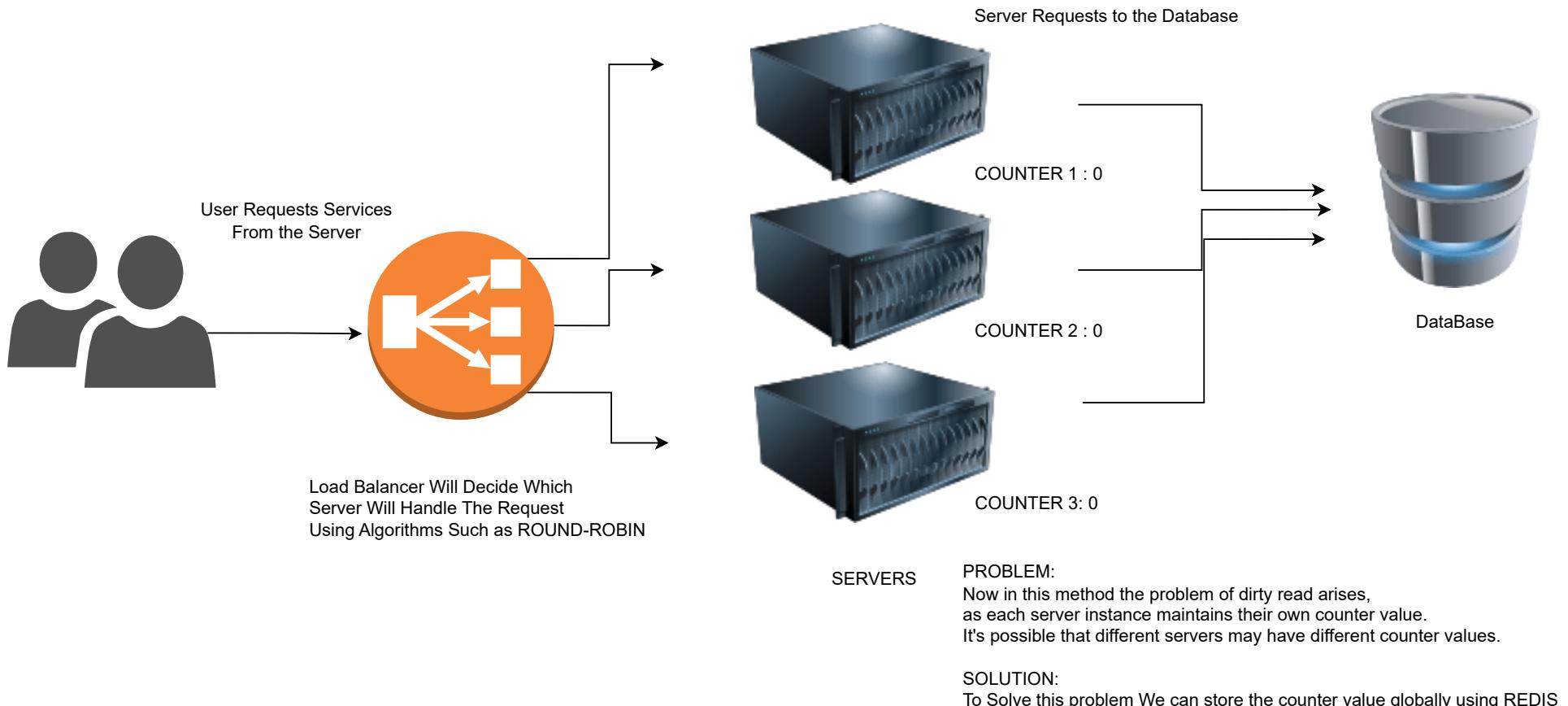
High Level Diagram (HLD) of a URL Shortener

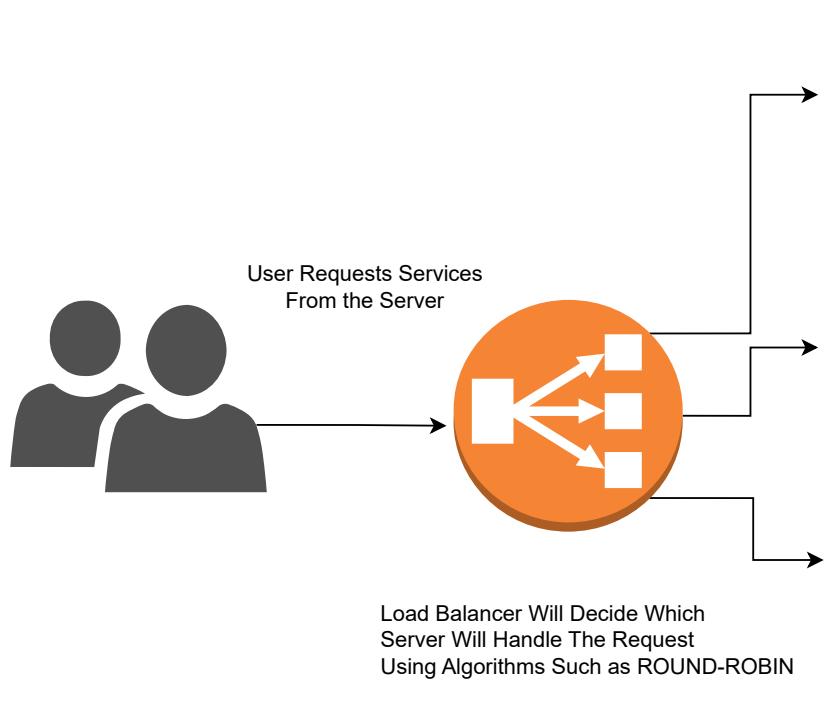


Low Level Diagram (LLD) of a URL Shortener





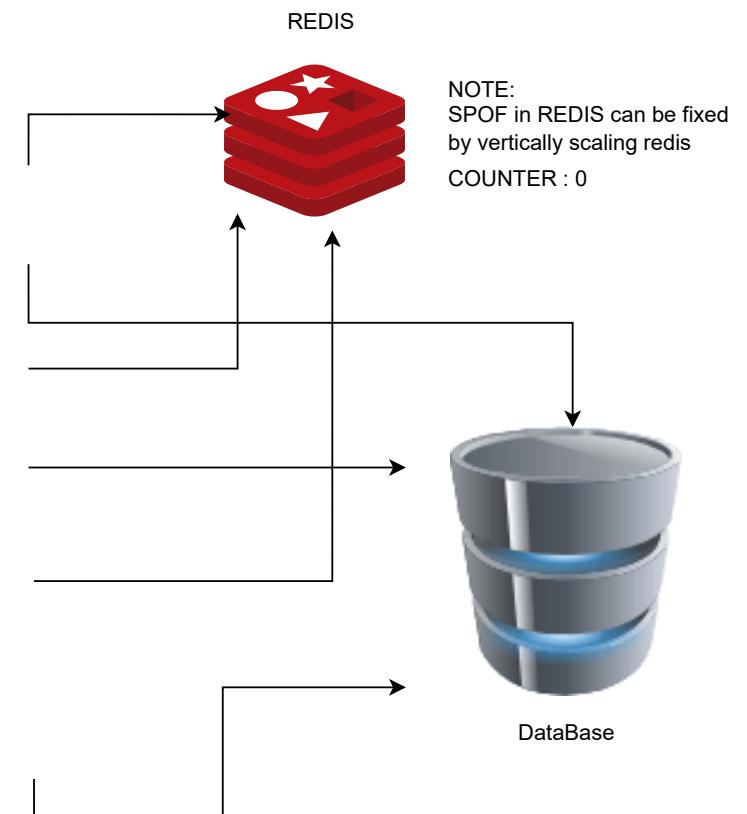




Server Requests to the Database



SERVERS



NOTE:

Using a fast cache like REDIS we can solve the problem of dirty read while maintaining low latency.