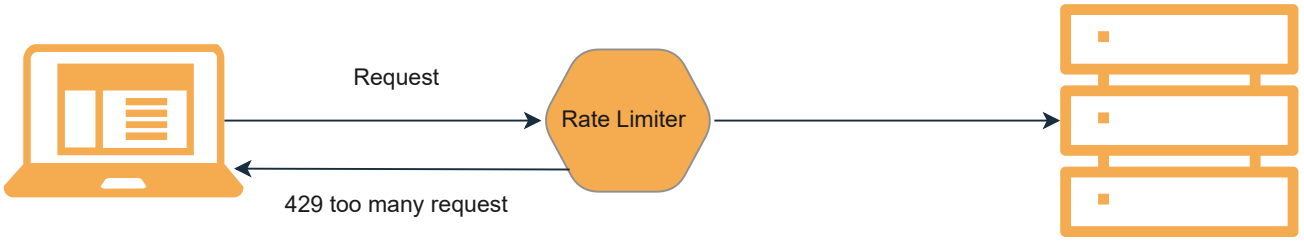
Design A Rate Limiter

Rate Limiter

A rate limiter limits the number of request sent by the client over a specified period of time .

Use Case : brute force password attempts , DOS and malicious attacks.
Eg: 10 login per ip address per hour in linkedin. (or) 900 request in 15 minutes for twitter.

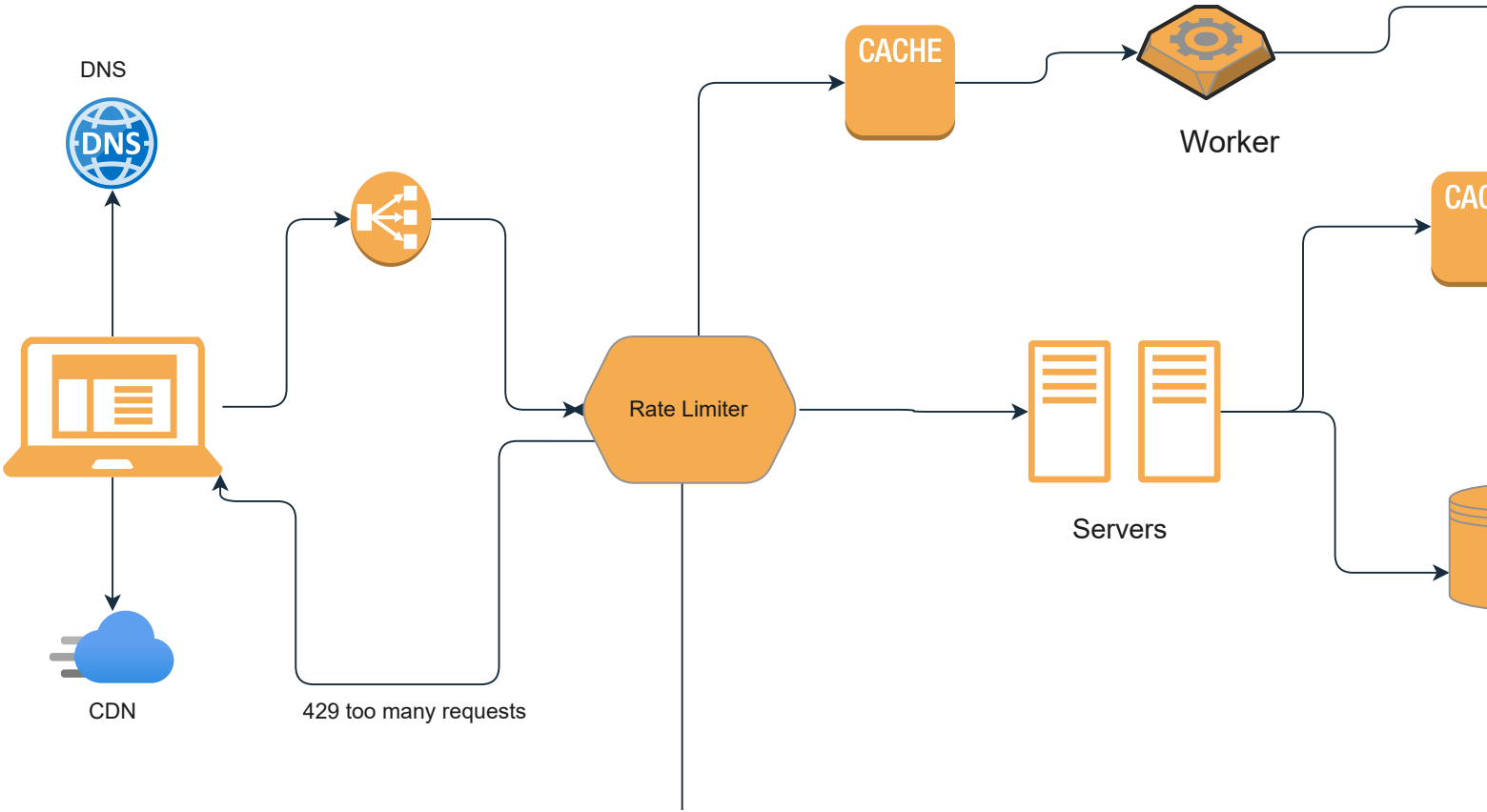
Initial Design



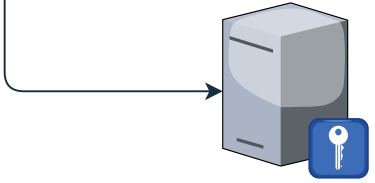
Where To Place the Rate Limiter ?

1.Client Side
2.Server Side
3. In the Middleware between the client and Server

High Level Design



Rules
CHE
Data Base



Redis Server