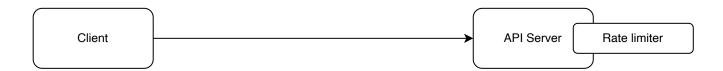
Rate Limiter

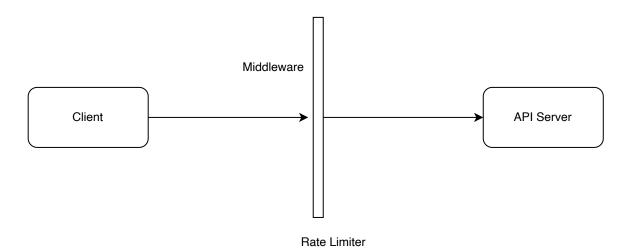
Requirements

- -Server side rate limiter.
- -Rate limit on the basis of user_id/IP- should be able to follow different set of rules for throttling requets
- -system should work in distribute env.
- -user should be intimated of throttled requests.

HLD-1(Server side rate limiter)



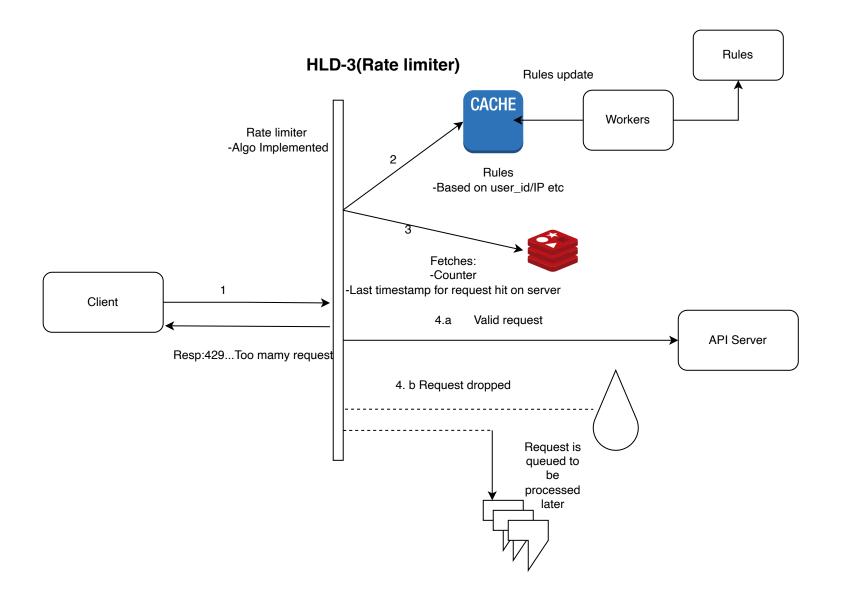
HLD-2(Rate limiter as middleware)



LDD(Rate Limiter)

Token bucket Leaking bucket

Fixed window Sliding window log Sliding window counter



Rate Limiter-Distributed env

