

RATE LIMITING PATTERN

This pattern dives deep into various rate-limiting strategies with FastAPI, providing practical examples that cater to different scaling needs and ensuring the protection of your API.

Rate limiting is a technique used to control the number of requests a client can make to an API within a certain timeframe.

This prevents abuse, mitigates the impact of Denial of Service (DoS) attacks, and ensures fair usage of system resources.

FastAPI, known for its speed and ease of use, can be equipped with rate limiting using various approaches, making it a robust option for building secure and efficient APIs.

Member-only story

Rate Limiting with FastAPI: An In-Depth Guide



Dhruv Patel · Follow

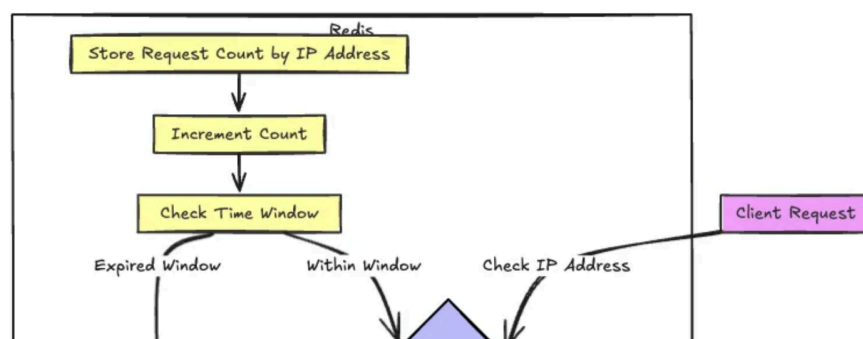
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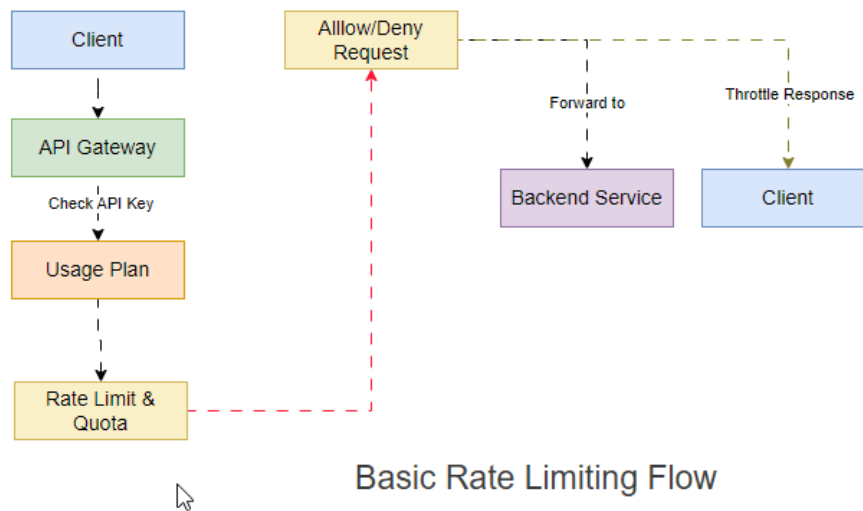
This article dives deep into various rate-limiting strategies with FastAPI, providing practical examples that cater to different scaling needs and ensuring the protection of your API.



<https://thedkpatel.medium.com/rate-limiting-with-fastapi-an-in-depth-guide-c4d64a776b83>

FastAPI, a modern web framework for building APIs with Python, offers a robust platform for developing high-performance web applications. Managing the rate at which clients can access your API endpoints is essential to prevent abuse, manage server load, and ensure fair usage of resources. It is a best practice not just for your externally exposed applications but also for internal applications.

<https://thelearningfellow.medium.com/quick-and-easy-rate-limiting-for-fastapi-6be34e8102a7>



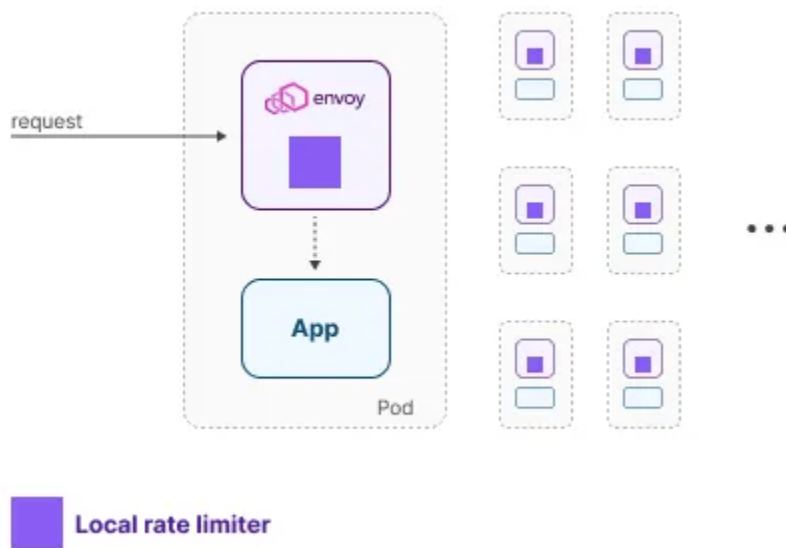
A rate limit is a restriction on the number of requests that a user or client can make to a server within a specified time period. The rate limit can be applied to requests based on various criteria, such as the user's IP address, authentication credentials, or the requested URL.

<https://medium.com/@rajeshpillai/api-rate-limiting-2542c2a90b38>

istio rate limiting

<https://medium.com/@ishujeetpanjeta/mastering-istio-rate-limiting-for-efficient-traffic-management-ff5acbcde7b3>

<https://istio.io/latest/docs/tasks/policy-enforcement/rate-limit/>

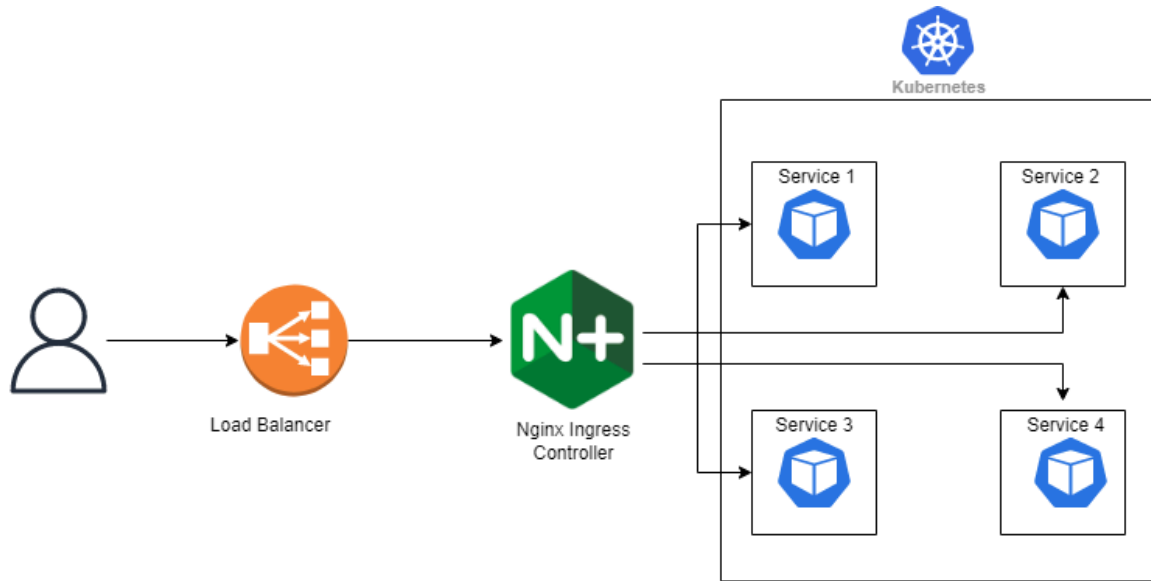


NGINX rate limiting

<https://blog.nginx.org/blog/rate-limiting-nginx>

[https://rednafi.com/go/rate limiting via nginx/](https://rednafi.com/go/rate_limiting_via_nginx/)

[https://docs.nginx.com/nginx/admin-guide/security-controls/c
ontrolling-access-proxied-http/](https://docs.nginx.com/nginx/admin-guide/security-controls/controlling-access-proxied-http/)



<https://nidhiashtikar.medium.com/implementation-of-an-ingress-controller-using-nginx-6b034ec23eac>

