

Introduction to Nginx

What is Nginx

- Pronounced as “Engine X”
- Open source web and reverse proxy server
- High performance HTTP, HTTPS, SMTP, IMAP, POP3 server
- Load balancing and HTTP caching
- Asynchronous event-driven architecture

NGINX

NGINX is a powerful web server and uses a non-threaded, event-driven architecture.

It can also do other important things, such as **load balancing**, and **HTTP caching**, or be used as a **reverse proxy**.

Who uses Nginx



NETFLIX

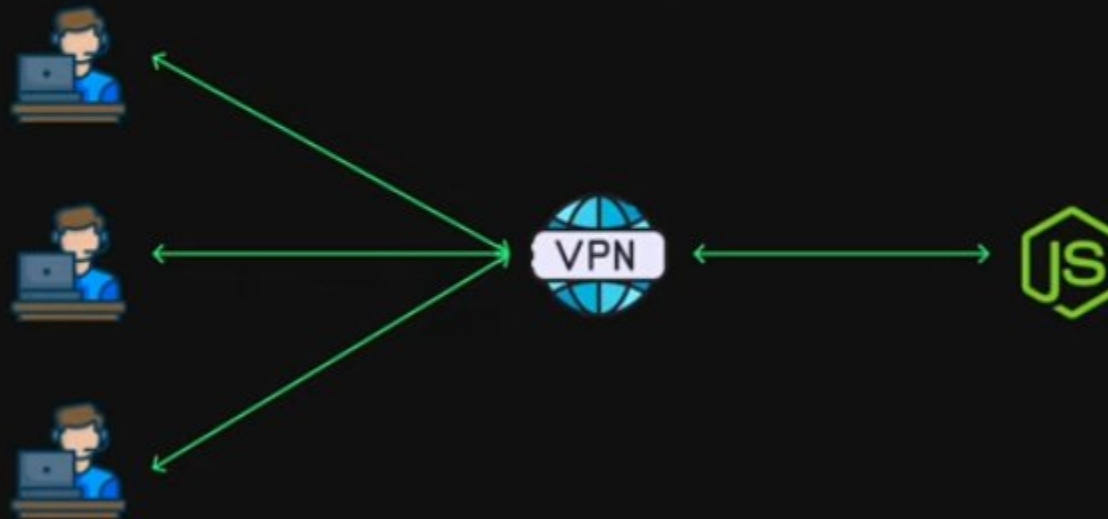




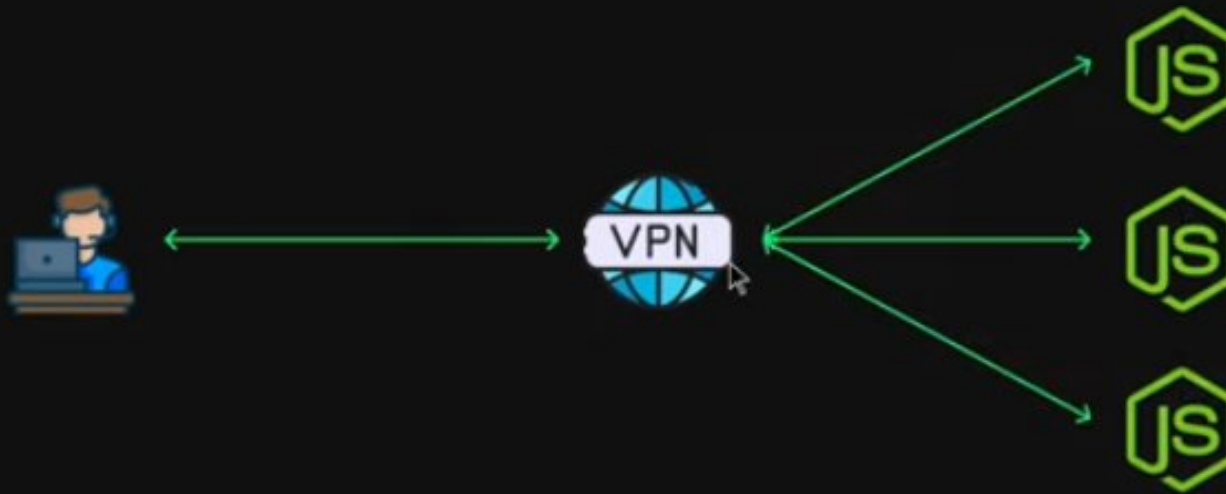
Normal HTTP Connection



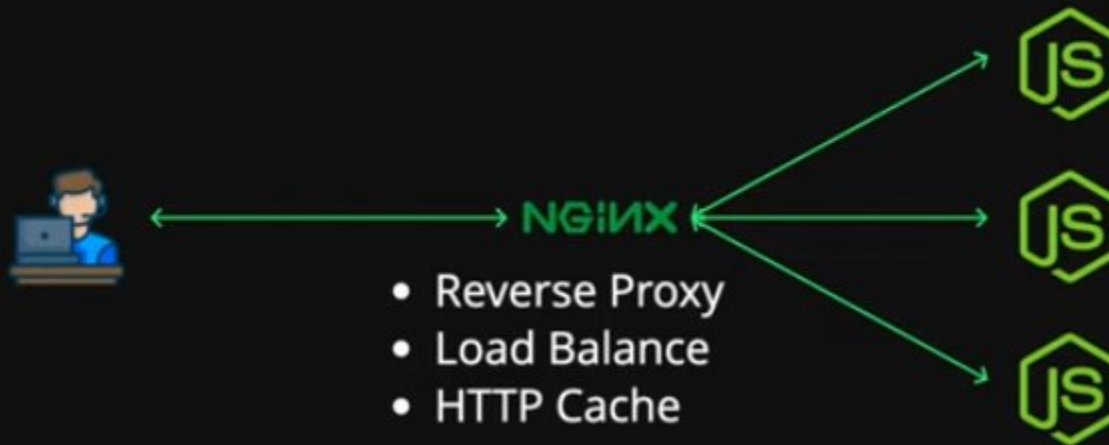
Forward Proxy



Reverse Proxy



Reverse Proxy



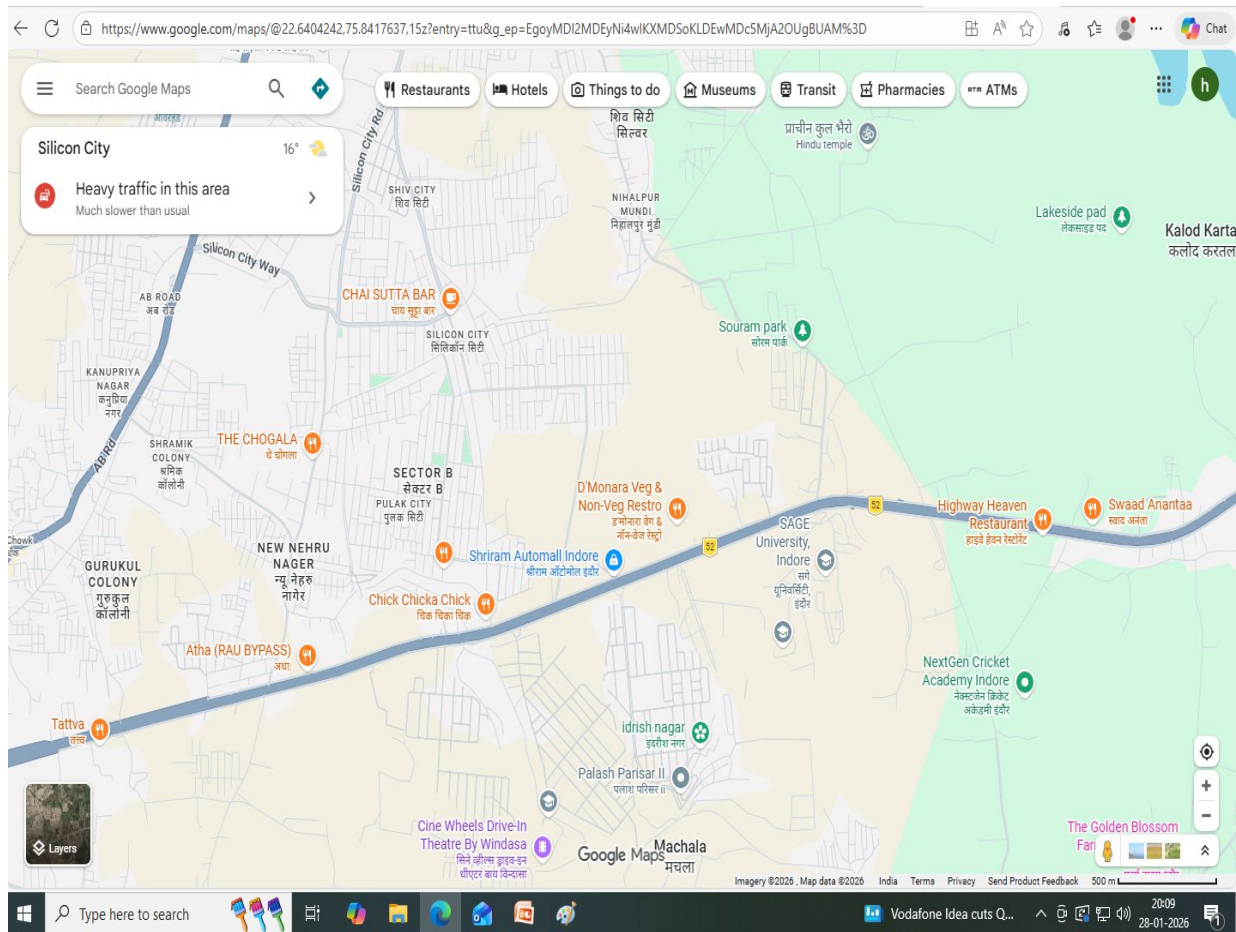


NGINX

- Can Handle 10,000 Concurrent Requests
- Cache HTTP Requests
- Act as Reverse Proxy
- Act as Load Balancer
- Act as an API Gateway
- Serve and Cache Static files like images, videos, etc.
- Handle SSL Certificates

Prerequisite





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