



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



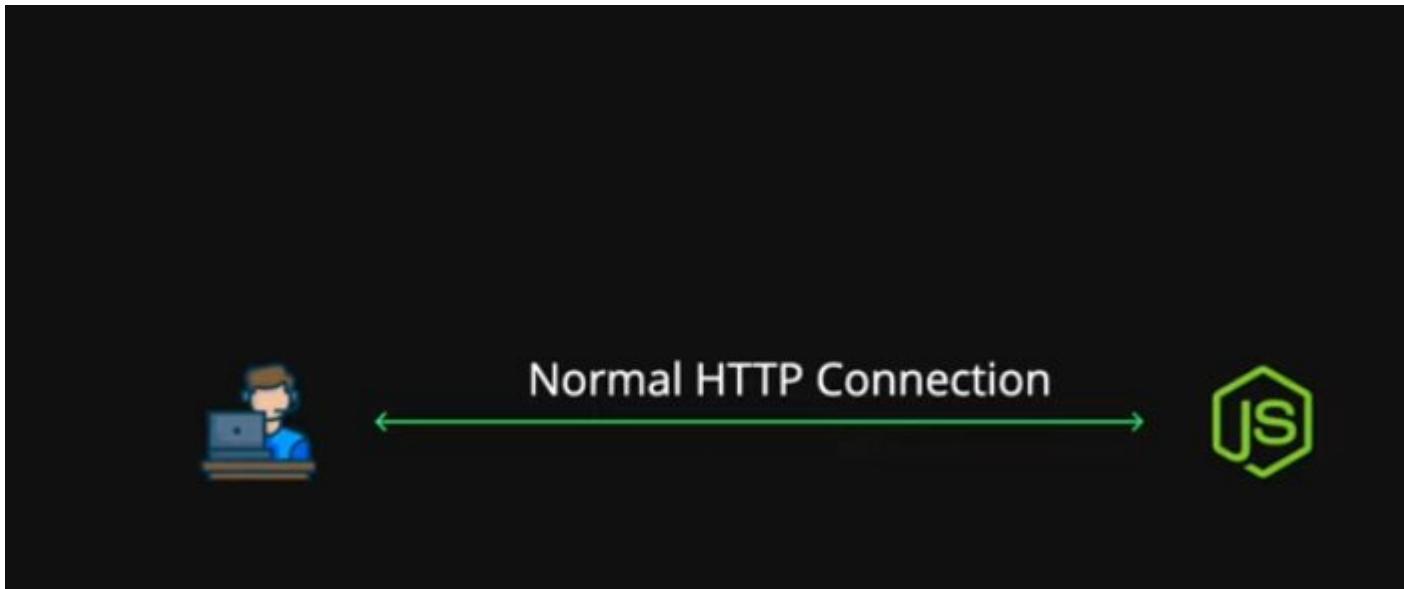
WORDPRESS

NETFLIX

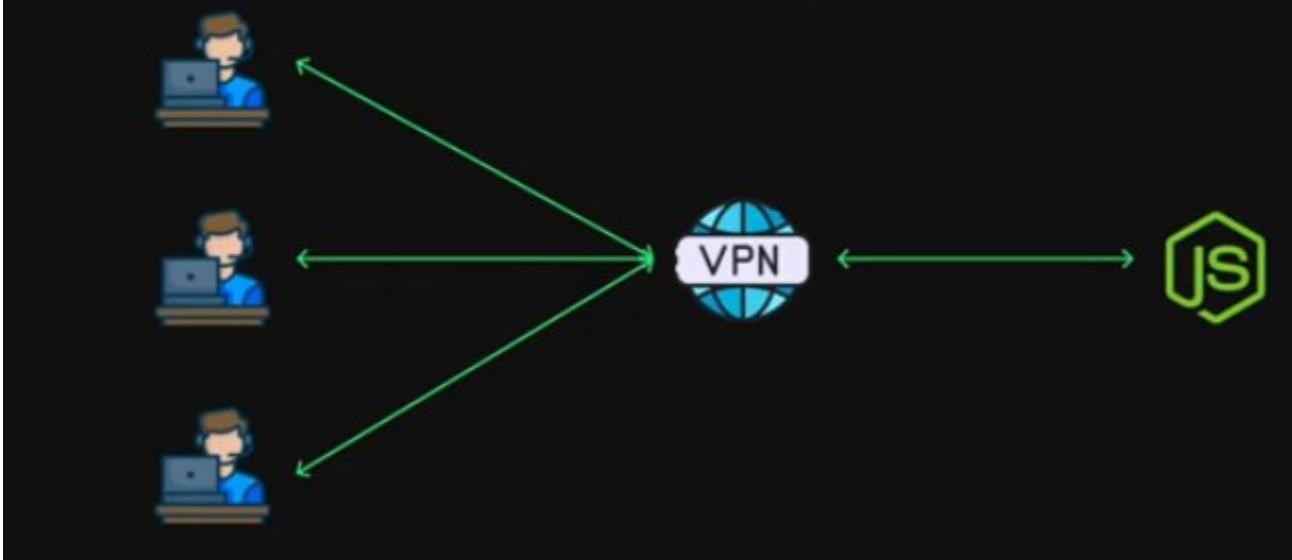


HEROKU

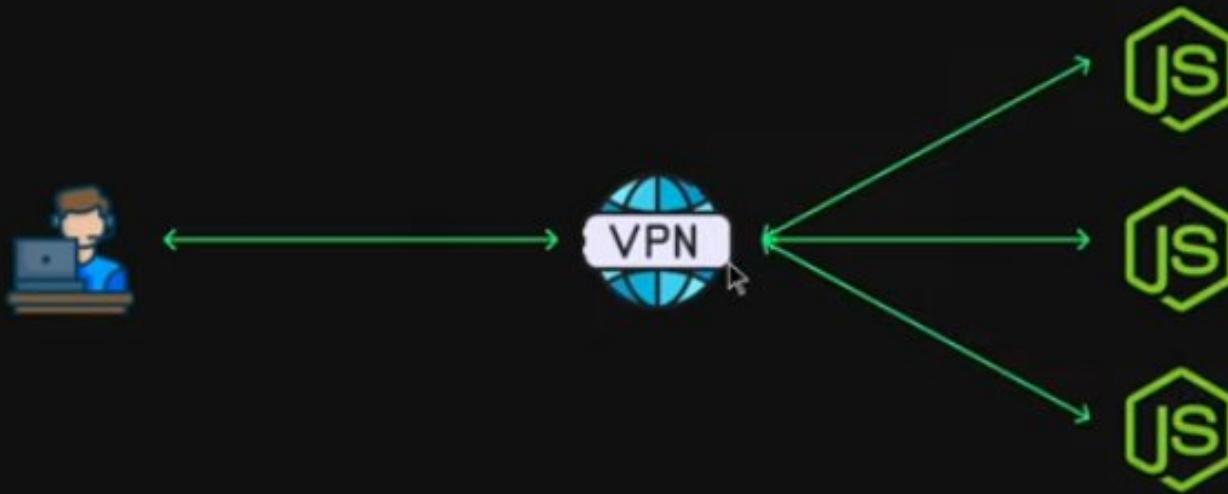




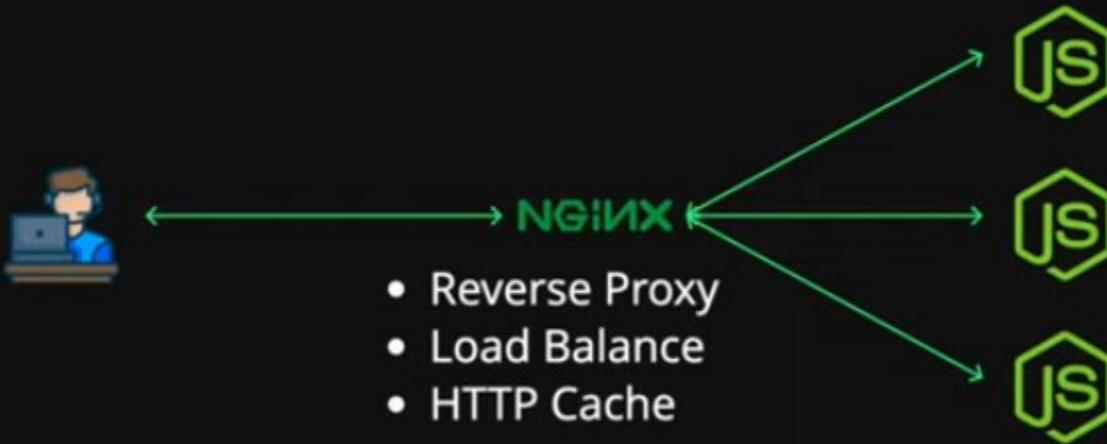
Forward Proxy



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



https://www.google.com/maps/@22.6404242,75.8417637,15z?entry=ttu&g_ep=EgoYMDi2MDEyNi4wIKXMDSoKLDeWMDc5MjA2OUgBUAM%3D

Search Google Maps

Restaurants Hotels Things to do Museums Transit Pharmacies ATMs Chat

Silicon City

Heavy traffic in this area
Much slower than usual

Silicon City Rd SHIV CITY NIHALPUR MUNDI SHIV SITI Hindu temple

AB ROAD KANUPRIYA NAGAR THE CHOGALA PULAK CITY D'Monara Veg & Non-Veg Restro Chick Chick Chick Shriram Automall Indore Highway Heaven Restaurant Swaad Anantaa

GURUKUL COLONY NEW NEHRU NAGER Atha (RAU BYPASS) Tatva Cine Wheels Drive-In Theatre By Windasa Machala

Layers

Imagery ©2026, Map data ©2026 India Terms Privacy Send Product Feedback 500 m 20:09 28-01-2026

Teacher : HEMANT KUMAR GUPTA

Class : B.Tech. CST (VI Sem)

Section : B

Subject : Cloud Engineering (Hosting & Deployment) : ACTDCCLD001T



Regenerated QR Code

Class : B.Tech. CST (VI Sem)
Section : B
Subject : Cloud Engineering (Hosting & Deployment) LAB : ACTDCCLD001P



Regenerated QR Code

Teacher : HEMANT KUMAR GUPTA

Class : B.Tech. CST (VI Sem)

Section : B

Subject : Cloud Engineering (Hosting & Deployment) LAB : ACTDCCLD00



Regenerated QR Code