# NGINX AS A REVERSE PROXY

This project shows how to use **Nginx** as a reverse proxy for a Node.js application, which allows Nginx to handle incoming requests and forward them to the backend server. The repository for this project is

<https://github.com/jaiswaladi246/nginx-node-proxy.git>.

#### Steps

1. **Prepare Frontend and Backend**: Clone the project repository and place the frontend files in a directory like /var/www/frontend.
2. **Configure Nginx**: Create a new server block file, for example, /etc/nginx/sites-available/nginx-node-proxy. Within this file, you'll define two main

location blocks:

* + location /: This block serves the static frontend files.
  + location /api/: This block acts as a **reverse proxy** for the backend API. The

proxy\_pass directive forwards requests to the Node.js server, for instance, http://13.201.37.133:3000. Headers such as

X-Real-IP and X-Forwarded-For are set to pass client information to the backend.

* + location /socket.io/: This block is specifically for **WebSocket** support, handling real-time communication by upgrading the connection.

1. **Start the Backend**: Navigate to the backend folder of the cloned repository. Install the necessary dependencies by running

npm init -y and npm install express cors socket.io. Start the server with

node index.js.

1. **Enable and Reload**: Create a symbolic link to the sites-enabled directory and reload Nginx to apply the new configuration