**How to deploy a nextjs application using PM2 as process manager and nginx as reverse proxy.**

1.     Install nvm and node

curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.35.3/install.sh | bash  
Nvm install 20.0.0 ( to install node version 20.0.0)

2.     Install pm2 :  npm install pm2 -g

3.     Create nextjs starter app.

4.     Step 2: Configure Your Applications

For PM2 to manage your applications, you need to create a configuration file, typically named ecosystem.config.js. This file tells PM2 how to start your applications, along with any specific settings you want to apply.

module.exports = {

  apps : [{

    name: "next-app",

    script: "npm",

    args: "start",

    cwd: "/path/to/your/nextjs/app",

    watch: true,

    env: {

      NODE\_ENV: "production",

    }

  }]

};

5.     Install nginx: sudo apt install nginx

6.     Start nginx:  sudo systemctl start nginx

7.     Check status of nginx:  sudo systemctl status nginx

8.     Create a nginx file named app:  
 sudo vim /etc/nginx/sites-available/app

server {

    listen 80;

    server\_name 40.82.156.78;

    location / {

     proxy\_pass http://localhost:3000/; # note the trailing slash!

     client\_max\_body\_size 0;

     proxy\_http\_version 1.1;

     proxy\_request\_buffering off;

     proxy\_set\_header Upgrade $http\_upgrade;

     proxy\_set\_header Connection "upgrade";

     proxy\_cache\_bypass $http\_upgrade;

     proxy\_set\_header Host $host;

     proxy\_redirect off;

     proxy\_set\_header Host $host:$server\_port;

     proxy\_set\_header X-Real-IP $remote\_addr;

     proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

    }

}

9.     Create a symbolic link:  
 sudo ln -s /etc/nginx/sites-available/app /etc/nginx/sites-enabled

10.                        Restart nginx:  
 sudo systemctl restart nginx