GitHub workflows

Cicd pipeline and auto deploy to AWS EC2 CICD pipeline for nodejs express application in hindi

We will Use github action to set up CI CD pipeline to Deploy your project to AWS EC2

Full guide to automatic deployment to AWS EC2 using GitHub Action with nodejs api as example in hindi

It will automatic test build and deploy to aws ec2 after every changes commit and merged

step 1- login to aws console and create an ec2 instance

step 2- Login to ec2 instance

step 3- install nodejs and nginx

sudo apt update

curl -fsSL [https://deb.nodesource.com/setup\_lts.x](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbXE1bFhGSGd4VFFaSHhscFVLQkhmbGtIOWlJZ3xBQ3Jtc0tsTXJMWWg0NzM2bHhHa3VtLXpvUnV5eWtxZTd4M3FJYTc0dVU5RXQyQktIbUliWS1tQTJRM19zb2lkT00zOE1rczhlaVphUlRnVmdPV191d0Q4N0gwNThwRGJDdWFQSGFkN2RHdUJNZHBSbVN3WDZ3cw&q=https%3A%2F%2Fdeb.nodesource.com%2Fsetup_lts.x&v=3jXtTSnA8zw) | sudo -E bash –

sudo apt-get install nodejs

sudo apt-get install nginx

step 4- push your projects to github

step5 - create github action

it will create a yml file under .github/workflow just edit yml file acording to your project

step 6- set up github action on ec2

Not start with sudo

After GitHub configuration run this command

sudo ./svc.sh install

sudo ./svc.sh start

step 7- install pm2 and run backend in background

npm i pm2 -g

pm2 start server.js

step 8- add the command in yml script of project to restart after every commit

-run: sudo pm2 restart server.js

step 9- config nginx and restart it

Cd /etc/nginx

Cd sites-available

sudo nano default

location /api/ {

proxy\_pass <http://localhost:8000/>;

proxy\_set\_header Host $host;

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

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

}

sudo systemctl restart nginx