Doc use panavanga intha num ku gpay(only above Rs200): 8056099616

DOCKER

Installing Docker on Ubuntu - go to official website (Docker docs)

mkdir fapp2 touch app.py

app.py

from flask import Flask app=Flask(__name__)
@app.route('/')
def run():
 return "vicky punda"
app.run('0.0.0.0',5000)

touch Dockerfile

Dockerfile

FROM python:3.10
WORKDIR /app
COPY . /app
RUN pip install -r requirements.txt

EXPOSE 5000 CMD ["python3","app.py"]

touch requirements.txt

requirements.txt

Flask==2.0.1 Werkzeug==2.0.1

docker build -t fapp2.

docker run -p 5000:5000 fapp2

SSH

ssh username@hostname_or_ip_address

If key pair not generated already

ssh-keygen ssh-copy-id username@hostname_or_ip_address ssh username@hostname_or_ip_address

JENKINS

sudo apt-get install jenkins sudo apt-get install fontconfig openjdk-17-jre (if Java doesnt exist)

sudo systemctl start jenkins sudo systemctl status jenkins

Go to https://localhost:8080 - default Jenkins server

It will ask for the authentication key. Copy the path and use command

sudo cat "paste_the_path_here"

Paste the key from terminal to the Jenkins server

Create an account with username and password

Create a repository with a Java file

For eg: https://github.com/ssnlabs/jenkins.git

Jenkins

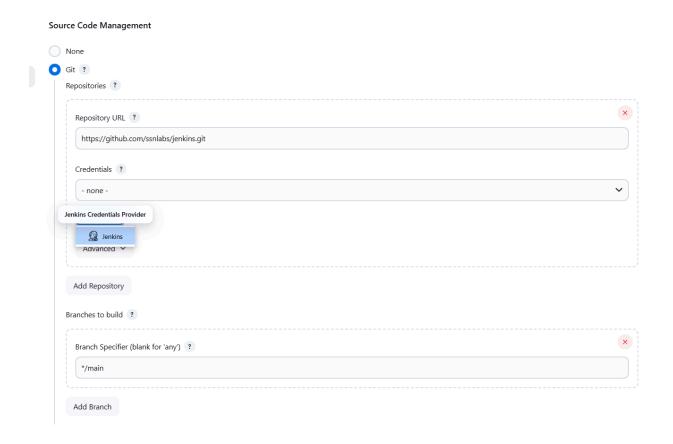
1. Click New Item

2. Give a name and select Freestyle Project

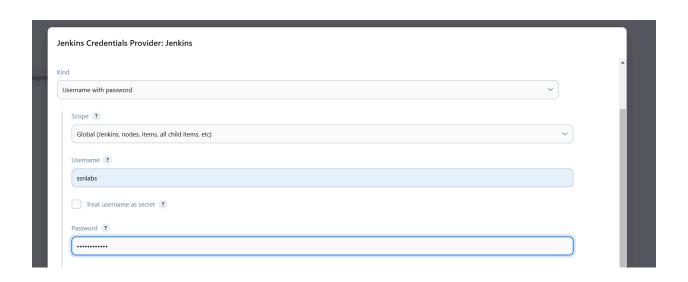
3. Select Github project and paste repository name

General	Enabled	O
Description		
Plain text Preview		le
Discard old builds ?		
GitHub project		
Project url ?		
https://github.com/ssnlabs/jenkins.git		
Advanced ~		
This project is parameterized ?		
Throttle builds ?		
Execute concurrent builds if necessary ?		
Advanced Y		
Source Code Management		

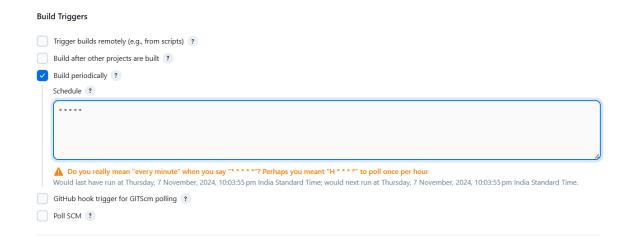
4. Select Git, Under Credentials, Click Add & Jenkins Change "Branch Specifier" to */main



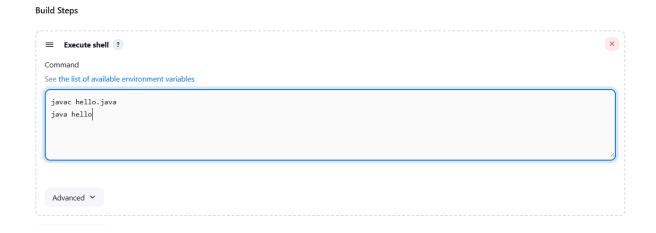
5. Enter your github username and password



6. Add * * * * * under Build Periodically -> Schedule (Cron Job - triggers a build every minute)



7. Under Build Step -> Select Execute Shell and enter the following



- 8. Give Save and Build Now in next page
- 9. Enjoy!