Doy 16 Some gube Setup And Producel. (End- to End Deployment). 1) Will do entire setup using ECZ, Github Actions, Tenting and Sonor gube > dounch an Ecz intance (12 medium). (209B of storage) (Terminate after the produced). 07 Pocker install. by Again configure l'installe Poclar compose C) VP docker- compose, you file (Instructions to leunch (one is DB (Postgren), second one is Sonorqube). dis Start Docker Engine | Darmon. er douler-compare up -d. (Will create both the containers mentioned in the Step (C). f.y docker images. docker volume es doctor ps. 9> Copy IP Address and Login to Gorangule. by Create Project. (walbed). branch name. All global betting.

(Popeline (Git Hub Actions).

it's Set gonar Token and URL (Imp). Setting + Secret & Variables - Sonar Tollen - Sonar Hord URL. Generale Tolan [All this In GAHUS].

k-> Workflow file. (yml) file. . Need to Trègges the Pipeline. Change in Repo, then will be automatically torggered.

I'y Check Actions for workflow pipeline and Sonarquise as . للك

Toursty Gate tell the signed whether entire Scan was successfully done or not.

> Added some threshold values.

> San create lustom Duality Gate as well. As Per our company rules can create rules to Make the build pars/failed.

⇒ by Default there is build-in Quality Gate.

@ gfgqualitygete.

> Have to Halle a new commit in order to use the New Onality Gate.

(Duality Profèles How Generalube Knows about the Coding danguages, this is because of rules, and they have around 321 overall rules. Python > validate 251 rules. and for Docker => 4D rules. -> Can create our own Quality Profiles. which language - duality Profile Name -A felect rules out of 44 - Change the Priority - Activete. Just validate new rules from Custom Profèle, attach it to the project where we need to Validate this. (Not Recommended)

John Step sittub setup -> floke -> pytest -> Sonorqube.

Devology Pipeline.

Till Nav vil one oxay

using Gittub Actions.

Create a Doukerfile, Build Image from it Already Have this (Upload this to Docker Hub).

(1). In worlylow file croate 3 rd Job to Build Douber Image. Actions , Right side Montespolace (Docker build search this) Docker sotup. on 4it Hub (Search in internet Docker build push Action 4. login to Docker Hub. (as push the). · action med to Build/ Docker image. (secrets. Dock) 40 Back to Gittub - Setting, Add one more for Password Token D.> Now once Docker Image is pushed to Docker, Hub. TILL now we have done CI (Continuous Integration) GPH Hub Action can be used for both CILCD P.) Now will use Jenkles for CD part. . Go to Ecz instance, Configure Here Jenkins. 4 Steps we already know how to configure. 97 dannch one more ECZ instance (This will be Norten Node for Jenkins (15 4B). Don't have to do this in core of Tithus Actions. > configure this as Worker Node.

0} . Leente a neue (Worker) Node. Name => g-ty-pytton. -> Directory Name > gtg (Worken Ecz). -> labele: gfg - python -> Some (To make let Active invitall the javafole). do make Worken noche Active. (Jdk gets Installed). (Agot is connected) S> Create a job -> gtg-pipeline. (Select pipeline option). + Pipeline script from SCH. Git code location. main (Branch Name). Script Path. (Save) and not Tsiggened. (Will Have the Info about (D). pipeline agent: label! gfgpython Stages & stage ("Deployment") 3 sh' docker run-f gfgwebos' sh'docter sun-j gaguebus sh'docter sun-d -- Trone afgrochus -p-80:80 — 9 most No Histop Monadly dick on Build Now In Jankers after the Build it complete from Gettub Actions.

. Install Docker en Worker Node!

Need to Intell get also in Workher Node. (To need Jankins file and it will get from suppo).

(Note) If I made charges in Jenkins file, then
no need to build other jobs, for that we can add
conditions as well.

.Standard Process.

27. Create a feature branch.

Light changes made in this no build (I was triggered as in workflow file triggered is added on main branch.

In Coeste a PR from / to the Main branch.

- Ly code testing should be done before purhing to main branch.
- Ly Test cases whould be validated also. Change in the feature branch test app. py tile

push: branches: ["main"]] commented as not required. ⇒ . Jenkins Hanually Triggered the job. General , Torggers , Pall SCM (every 1 min (wortage of Resources)). & + + + + (every 2 minute). Cithub hock toigger. (who will be the cream). . Gittub - push event -> Triggered Jenkins. Lo Gittub - Setting - webhooks Allow external services to be notified when events happed. Add webhook (Jankins URL). IP-adress-port/github-webhook 4 Select exent (let me select individual esents). Ly (Just the push event). 4 Gittub now integrated with Jenkins. 4. End to End Automated Pipeline.

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