A diagram of a company

Description automatically generated

#jenkins

ssh -i key.pem ubuntu@ip

allow port 8080

-go to jenkins.io /documentation/install jenkins/linux/ubuntu/

sudo apt update

sudo apt install openjdk-11-jre -y

-paste cmd to install jenkins

curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee \

/usr/share/keyrings/jenkins-keyring.asc > /dev/null

echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \

https://pkg.jenkins.io/debian-stable binary/ | sudo tee \

/etc/apt/sources.list.d/jenkins.list > /dev/null

sudo apt-get update

sudo apt-get install jenkins -y

systemctl status jenkins

copy key

-go to browser paste ip@:8080

------------------------===========================================================

install sonarqube

install docker

sudo apt-get update

sudo apt-get install ca-certificates curl gnupg -y

sudo install -m 0755 -d /etc/apt/keyrings

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg

sudo chmod a+r /etc/apt/keyrings/docker.gpg

echo \

"deb [arch="$(dpkg --print-architecture)" signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubuntu \

"$(. /etc/os-release && echo "$VERSION\_CODENAME")" stable" | \

sudo tee /etc/apt/sources.list.d/docker.list > /dev/null

sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin -y

sudo docker run hello-world

sudo docker pull sonarqube:latest

sudo docker images

sudo docker container run -d --name sonarqube -p 9000:9000 sonarqube:latest

-go to browser ip@:9000

User: Admin

Pass: Admin

Create project/ Manually

Name of the project, project key, main Branch name, set up

Use global setting/ create project/ with Jenkins/ github/ continue analysis / continue/ other/copy 2 and 3 paste somewhere/ finish

Got to admin user top right/ my account/security/name token/global/expires/copy the token save

Goto Jenkins install plugin

Manage Jenkins/pluginavailable/sonarqube scanner , SSH2 easy

Manage Jenkins / tools/add sonarqube scanner/name/save

Configure system/sonarqube server/add sonarqube/name/paste url sonarqube ip@:9000/save

Goto pipeline /configure/build steps/execute sonarqube scanner/analysis properties(paste 2 from sonarqube website)/save

Manage Jenkins/configure system/sonarqube server/add Jenkins/secret text/paste token from sonarqube/id-sonartoken/save/select token/save

Build pipeline and check sonarqube to see

Goto jenkins try to connect to docker machine

Sudo su jenkins

Ssh ubuntu@ip(docker) it will not work

Goto docker machine

Sudo su

Vi /etc/ssh/sshd\_config

Pubkeyauthentication yes

Passwordauthentication yes

Systemctl restart sshd

Passwd ubuntu

1234

1234

Goto Jenkins ssh ubuntu@ip(docker)

Jenkins-sever

Try to connect to docker again and put the password for ubuntu

It works

Exit

Ssh-keygen

ssh-copy-id [ubuntu@107.23.253.129](mailto:ubuntu@107.23.253.129) (copy la cle de jenkins dans docker server)

Goto Jenkins/manage Jenkins/config system/server groups center/add groups/

docker-servers

22

Ubuntu

1234

save

Goto Jenkins/manage Jenkins/config system/server list/add/

Docker-servers

Docker1

ip@docker

save

pipeline/configure/add build step/remote shell/select target server/shell =touch test.txt

build now

in docker you can see the file created

pipeline/configure/add build step/execute shell/scp -r ./\* ubuntu@ip(docker):~/

with website a directory created in docker home

goto docker server

with ubuntu user

docker ps will not work

sudo usermod -aG docker ubuntu

newgrp docker

now docker ps will work

in Jenkins

pipeline/configure/add build step/remote shell/select target server/shell

cd /home/ubuntu

docker build -t mywebsite .

docker run -d -p 8085:80 –name=onix mywebsite

build

goto aws in docker server and add port 8085 to access the website