Setting hostname - sudo hostnamectl set-hostname <new\_hostname>

Github push repo to github

1. Yum install git -y
2. ssh-keygen
3. Cd .ssh
4. Copy the public key, now add this in github
5. Cd data/
6. git init
7. git add .
8. git commit -m "Initial commit"
9. git remote add origin git@github.com:arkaprovolti/first-app.git
10. git remote -v
11. git push origin master

Github: cloning same repo and pushing it to same repo;

1. git clone git@github.com:arkaprovolti/first-app.git
2. cat > sds.txt

sdaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa yeyyy

1. git add .
2. git commit -m "Initial commit"
3. git push origin main

Github- cloning a different repo and pushing it to my repo

1. git clone git@github.com:sanjayguruji/java-code-with-maven.git
2. Now go inside /java-code-with-maven directory cloned
3. git remote -v
4. git remote set-url origin git@github.com:arkaprovolti/java-maven-arka-2.git
5. Git push origin main

Jenkins

1. 15 gb gp2 instance
2. yum update -y
3. Google search installing jenkins on aws
4. sudo wget -O /etc/yum.repos.d/jenkins.repo \

https://pkg.jenkins.io/redhat-stable/jenkins.repo

1. Yum repolist all
2. sudo rpm --import <https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key>
3. Instance -> security groups -> select your one -> edit inbound rules ->add custom tcp -> port range 8080 -> 0.0.0.0/0
4. Now copy public ip : 8080
5. sudo yum install java-17-amazon-corretto -y
6. Sudo yum install jenkins -y
7. Systemctl enable jenkins
8. Systemctl start jenkins
9. Open public ip of server
10. Paste vim /var/lib/jenkins/secrets/initialAdminPassword and unlock jenkins
11. Now gotta increase size of temp
12. sudo mount -o remount, size=2G /tmp
13. df -h
14. vim /etc/fstab
15. tmpfs /tmp tmpfs defaults,noatime,mode=1777,size=2G
16. Sudo mount -a
17. Systemctl daemon-reload
18. Reboot instance
19. in case if ec2 instance is shutdown, jenkins node will go slow. To solve this, go to  
    Cd /var/lib/jenkins -> jenkins.model…….xml -> open it in vim -> we got an ip address, replace it with port ip.
20. Now we gotta integrate jenkins server with our github repo.
21. Add webhooks in our github repo
22. Payload url should look like <http://51.20.118.218:8080/github-webhook/>
23. You gotta get secret, for this go to jenkins -> security -> create api token, githooks -> allow on agents.
24. Now we will make a pipeline in jenkins -> new item -> freestyle ->ok
25. Go to configure, of the created pipeline, and paste repo url in htpps
26. yum install git
27. Now build pipeline

Tomcat server setup

1. 8080 port inbound rules
2. Copy core [tar.gz](http://tar.gz)
3. wget <https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.108/bin/apache-tomcat-9.0.108.tar.gz>
4. tar xvzf apache-tomcat-9.0.108.tar.gz
5. rm -rf apache-tomcat-9.0.108.tar.gz
6. cd apache-tomcat-9.0.108
7. yum install java -y
8. Cd bin
9. ls
10. Google Step by Step guide to install Apache Tomcat on Amazon Linux by Medium
11. chmod +x startup.sh
12. chmod +x [shutdown.sh](http://shutdown.sh)
13. Cd conf
14. find -name context.xml