## A. Advance Level Deployment of Jenkins

# 02.Install Java sudo apt install -y openjdk-11-jdk

# 03.Install Jenkins dependencies sudo apt install -y git sudo apt install -y maven

#04. Install Jenkins
# sudo wget-q-0 - https://pkg.jenkins.io/deblan-stable/Jenkins.io.key | sudo apt-key addcurl-f58. https://pkg.jenkins.io/deblan/jenkins.io-2023.key | sudo tee/usr/share/keyrings/jenkins-keyring.asc>
//dev/null

# sudo echo "deb <a href="https://pkg\_ienkins.io/debian-stable binary/">m/etc/apt/sources.list.d/jenkins.list echo deb [signed-bye/sus/share/keyrings/jenkins-keyring.asc] <a href="https://pkg.ienkins.io/debian binary/">https://pkg.ienkins.io/debian binary/</a> | sudo tee /etc/apt/sources.ist.d/gel/jenkins.io/debian binary/<a href="https://pkg.ienkins.io/debian binary/">https://pkg.ienkins.io/debian binary/</a> | sudo tee /etc/apt/sources.ist.d/gel/jenkins.ist.o/debian binary/<a href="https://pkg.ienkins.io/debian binary/">https://pkg.ienkins.io/debian binary/<a href="https://pkg.ienkins.io/debian binary/">https://pkg.ienkins.io/debian binary/</a> | sudo tee /etc/apt/sources.ist.d/gel/jenkins.ist

sudo apt update sudo apt install -y jenkins #Jenkins 2.410

# 05.Start Jenkins and enable it to start on boot sudo systemcti status jenkins sudo systemcti start jenkins sudo systemcti enable jenkins

\$ cat > 00.InstallJenkins.sh

## **B. INSTALL ADMIN USER**

#! /bin/bash

#01.CONFIGURE VARIABLES
url=http://localhost.8080
password={Suduo cat /var/lib/jenkins/secrets/initialAdminPassword}
alias python=python3

# 02.AEW ADMIN CREDENTIALS URL ENCODED USING PYTHON
usernames(jpython - < "import utilib parse; print(utilib parse; pote); "see"))" << "admin" |
mery Jassword's(python - < "import utilib parse; print(utilib parse; pote); "see")" << "admin" |
fullrames(jpython - < "import utilib parse; print(utilib parse; pote); "see") \*\*("whether") \*\*("whether") \*\*
fullrames(jpython - < "import utilib parse; print(utilib parse; pote(ipput); sale")" << ""downleaf")" << ""downleaf") \*\*
main(spython - < "import utilib parse; print(utilib parse; upote(ipput); sale")" << ""downleaf") \*\*
whether import utilib parse; upote(ipput); sale") \*\*(">""" < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """ < """

# 03.GET THE CRUMB AND COOKIE

cookie\_jar\* "Sinktemp)"

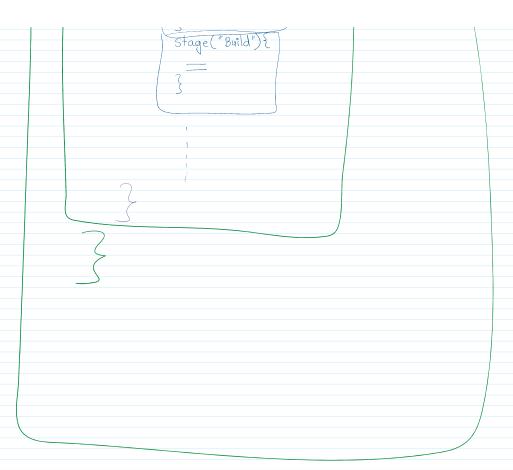
full\_crumb-S(cru\* - dadnis\_password\*-cookie\_jar\* Scookie\_jar\* Surl/crumblissuer/apl/xml?xpath=concat\{\formation=\format

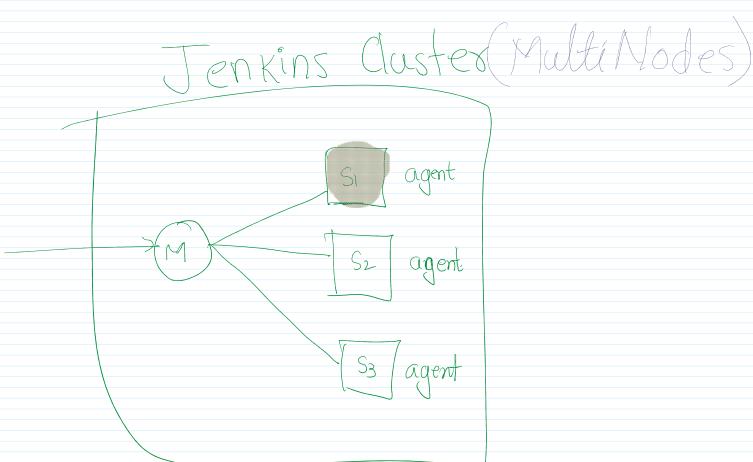
# 04. MAKE THE REQUEST TO CREATE AN ADMIN USER

cut in 9.051 -u" darfinin-\$password" Surfylertup/Willard/createAdminUser \
+1 Connection: Exep-alive \
+1 Connection: Exep

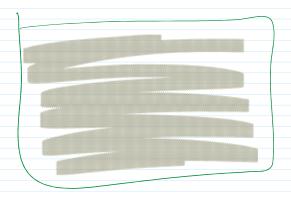
echo "Jenkins Tutorial" echo("Jenkins Tutorial") echo message: "Jenkins Tutorial" echo(message: "Jenkins Tutorial")

> pipeline agent any Stages { Stage("Clone") { Stage ("Build") {





## Jenkins Single Mode



```
pipeline {
    agent any
    stages {
        stape('Hello') {
            steps {
                echo 'Hello World'
            }
        }
    }
}
```

```
pipeline{
    agent any
    stages{
        stage("Stage1"){
            steps{
                 echo "Jenkins Tutorial"
                       echo("Jenkins Tutorial")
            }
        stage("Stage2"){
            steps{
                       echo message: "Jenkins Tutorial"
            }
        }
        stage("Stage3"){
            steps{
                       echo(message: "Jenkins Tutorial")
        }
    }
}
```

VCS

Build

Packago

