NEXUS SETUP AND INTEGRATED TO JENKINS

STEP-1: LAUNCH INSTANCE WITH T2.MEDIUM AND 8081 PORT

STEP-2: INSTALL JAVA1.8.0 AS THE NEXUS DEPENDENCY

STEP-3: CREATE A FOLDER (mkdir /app)

SETP-4: GO TO FOLDER (cd /app)

STEP-5: DOWNLOAD THE NEUXS (**sudo wget -O nexus.tar.gz https://download.sonatype.com/nexus/3/latest-unix.tar.gz**)

STEP-6: UNTAR THE FILE (tar -zxvf filename)

STEP-7: RENAME THE NEXUS FILE (from nexus-3* to nexus)

STEP-8: ADD NEXUS USER (useradd nexus)

STEP-9: CHANGE THE OWNERS OF THE FILES (chmod -R nexus:nexus file_names)

STEP-10: CHANGE nexus.rc file (vim nexux/bin/nexus.rc)

run_as_user="nexus"

STEP-11: WRITE A SCRIPT TO RUN NEXUS (vi /etc/systemd/system/nexus.service)

[Unit]

Description=nexus service

After=network.target

[Service]

Type=forking

LimitNOFILE=65536

User=nexus

Group=nexus

ExecStart=/app/nexus/bin/nexus start

ExecStop=/app/nexus/bin/nexus stop

User=nexus

Restart=on-abort

[Install]

WantedBy=multi-user.target

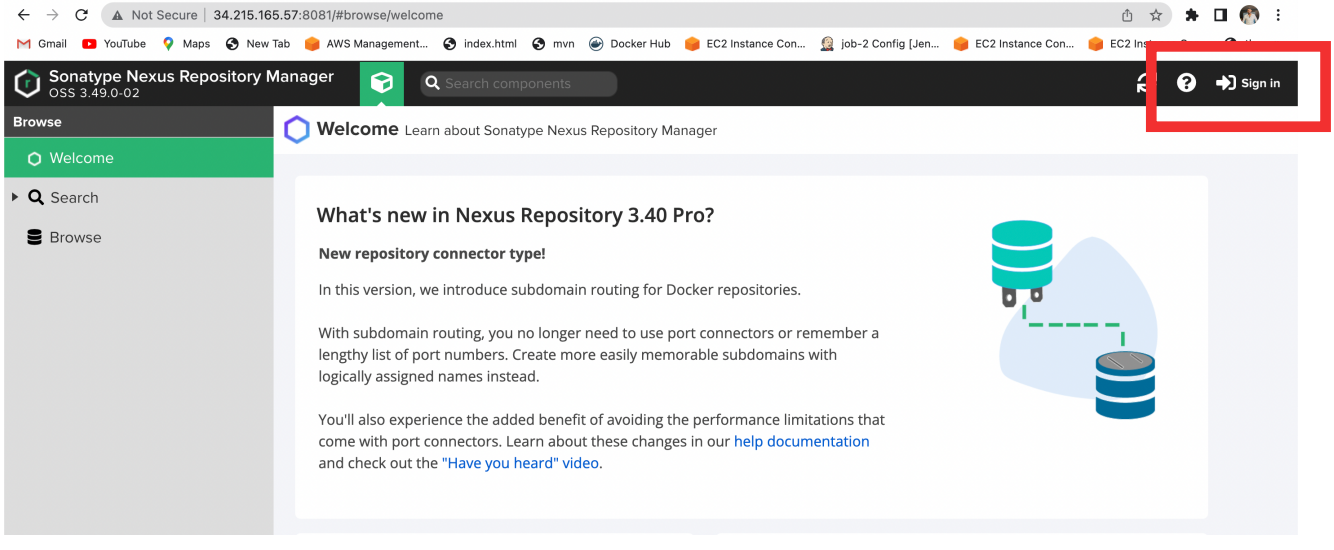
STEP-12: CHECK THE CONFIGURATION (chkconfig nexus on)

STEP-13: START THE NEXUS (systemctl start nexus)

STEP-14: CHECK THE STATUS (systemctl status nexus)

STEP-15: CONNECT TO NEXUS (public:8081)

AFTER LOGIN INTO NEXUS SIGN OUT FROM THE DASHBOARD, BECAUSE THAT IS THE DEFAULT PAGE, WE NEED TO CREATE OUR BY OWN



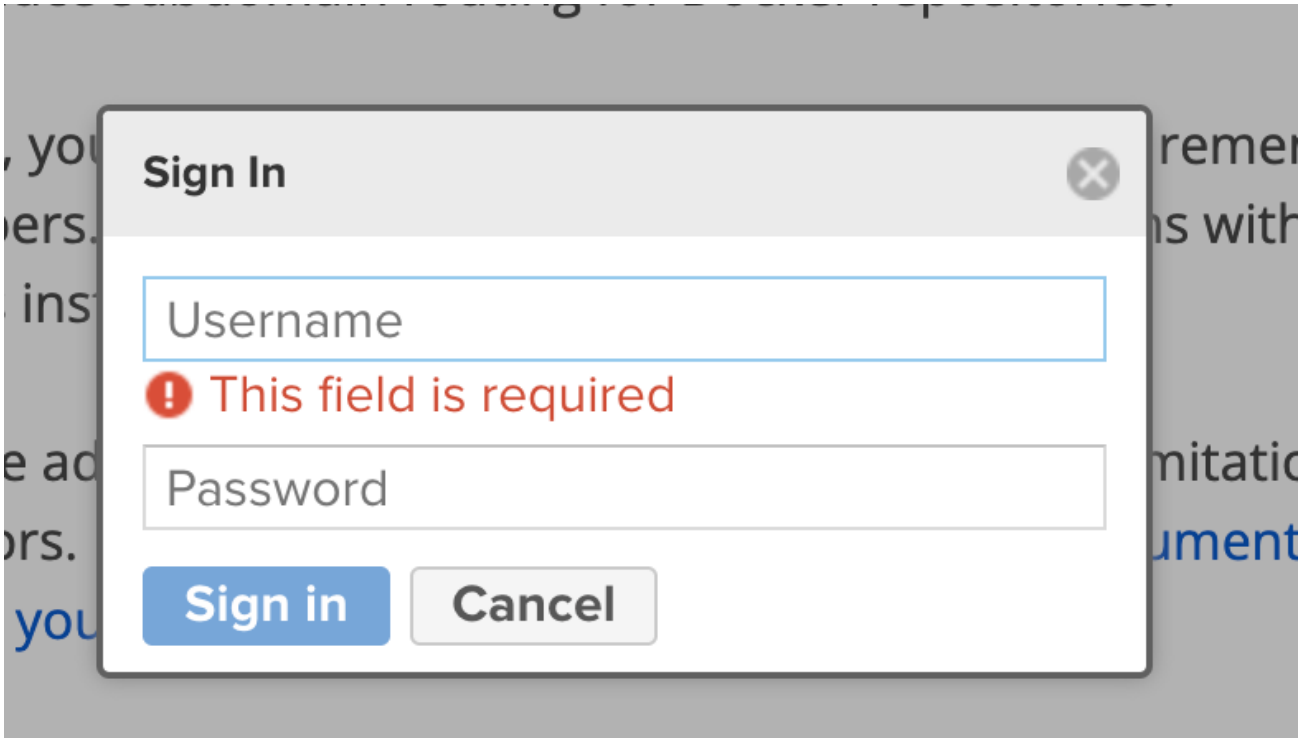
CLICK ON **SIGN-IN**

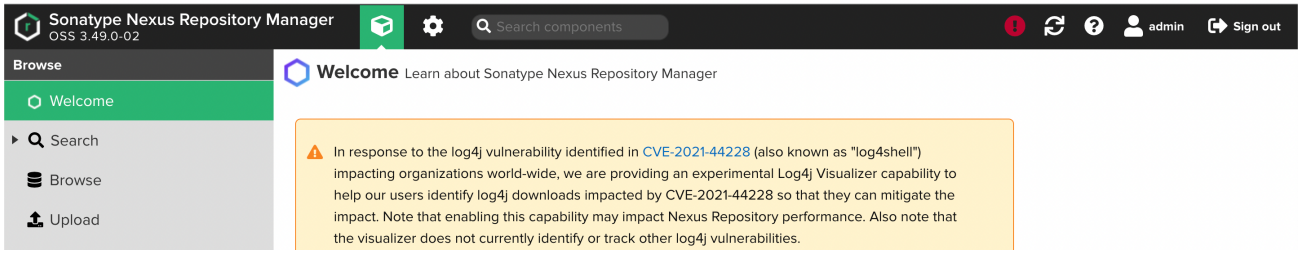
IT WILL ASKS THE USER NAME & PASSWORD

USERNAME: admin

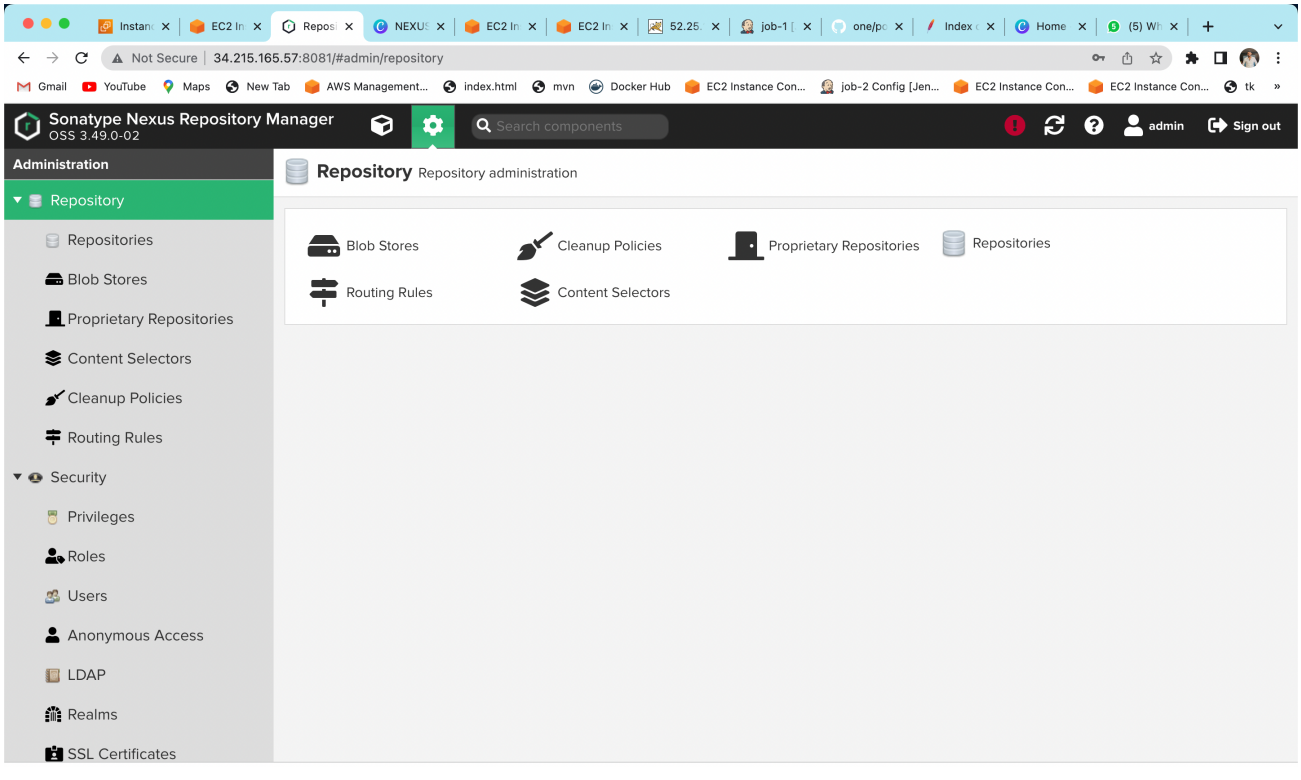
PASSWORD: cat /app/sonatype-work/nexus3/admin.password

use this command in our server to get the password and paste it into our nexus dashboard





NOW GO TO SERVER ADMINISTRATION AND CONFIGURATION



nexuskp.pem

Show all

SELECT REPOSITORIES

Repositories Manage repositories

Create repository

Filter

Name	Type	Format	Status	URL	Health check	IQ Policy Vi...
maven-central	proxy	maven2	Online - Ready to Connect	copy	Analyze	
maven-public	group	maven2	Online	copy		
maven-releases	hosted	maven2	Online	copy		
maven-snapshots	hosted	maven2	Online	copy		
nuget-group	group	nuget	Online	copy		
nuget-hosted	hosted	nuget	Online	copy		
nuget.org-proxy	proxy	nuget	Online - Remote Available	copy	Analyze	

SELECT CREATE-REPOSITORY

Repositories / Select Recipe

Recipe
apt (hosted)
apt (proxy)
bower (group)
bower (hosted)
bower (proxy)
cocoapods (proxy)
conan (proxy)
conda (proxy)
docker (group)
docker (hosted)
docker (proxy)
gitlfs (hosted)
go (group)
go (proxy)
helm (hosted)
helm (proxy)
maven2 (group)
maven2 (hosted)
maven2 (proxy)
npm (group)
npm (hosted)

SELECT MAVEN2(HOSTED)

Repositories / Select Recipe / Create Repository: maven2 (hosted)

Name: A unique identifier for this repository

This field is required

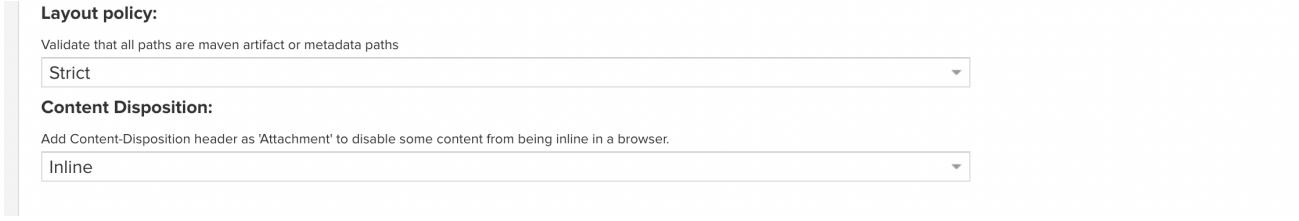
Online: If checked, the repository accepts incoming requests

Maven 2

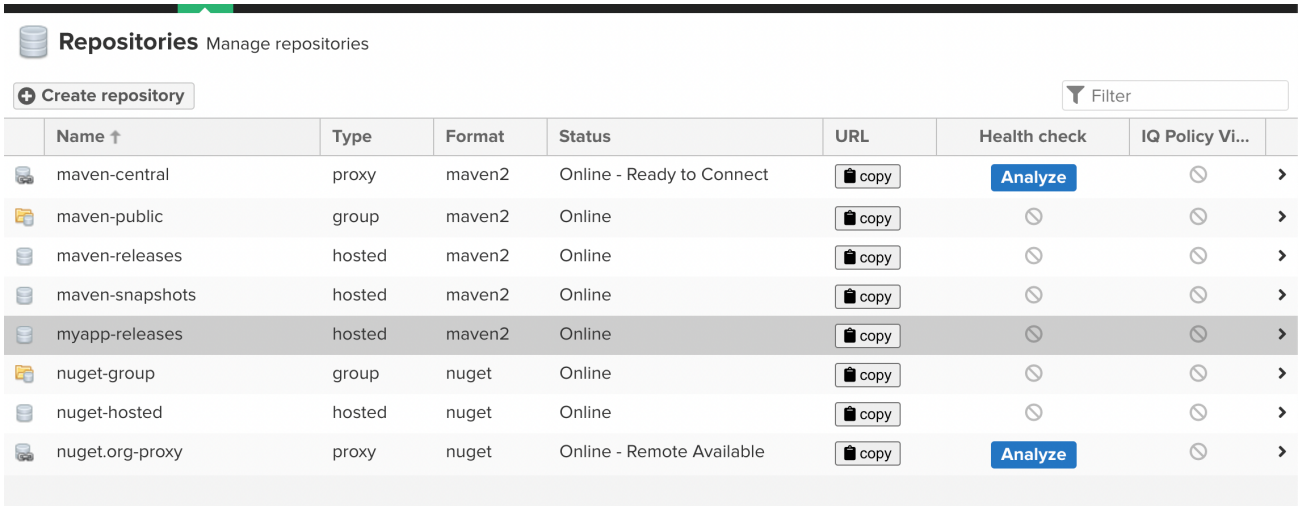
Version policy:

What type of artifacts does this repository store?

Release



GIVE REPOSITORY NAME AS myapp-releases and click on create repositories



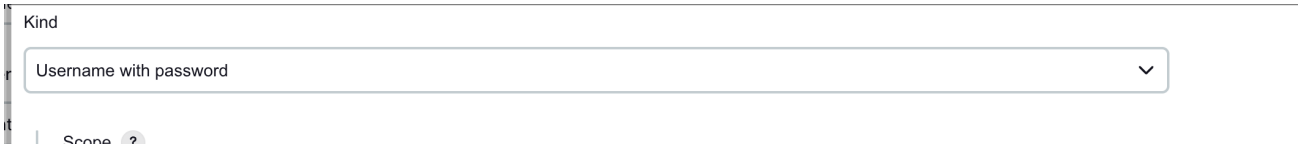
now you can see our repository created in dashboard

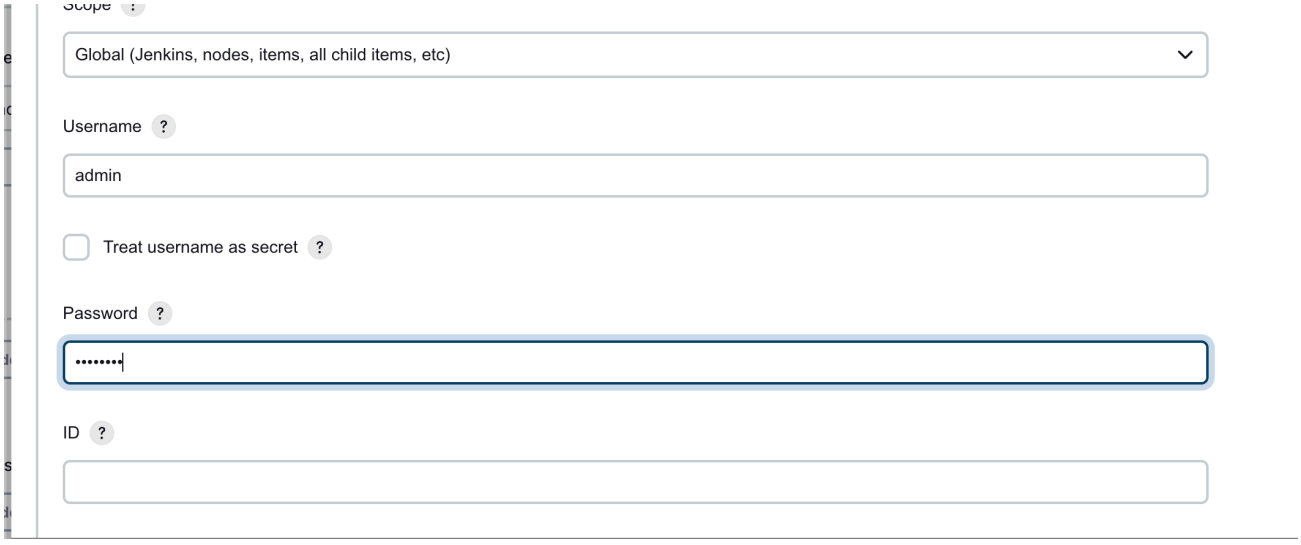
NOW GO TO JENKINS AND INSTALL PLUGIN "**nexus artifactory uploader**"

GO TO MANAGE JENKINS AND CONFIGURE JENKINS

GO TO SONATYPE NEXUS

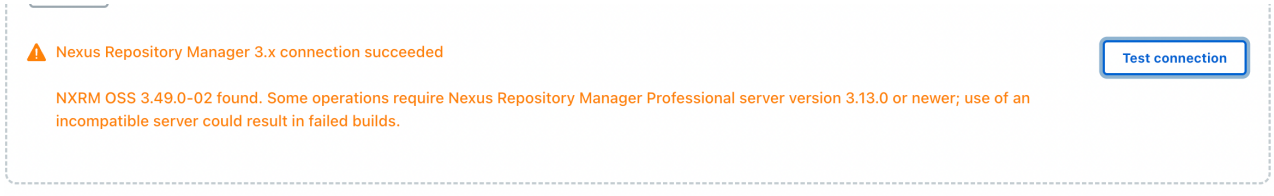
ADD CREDENTIALS :





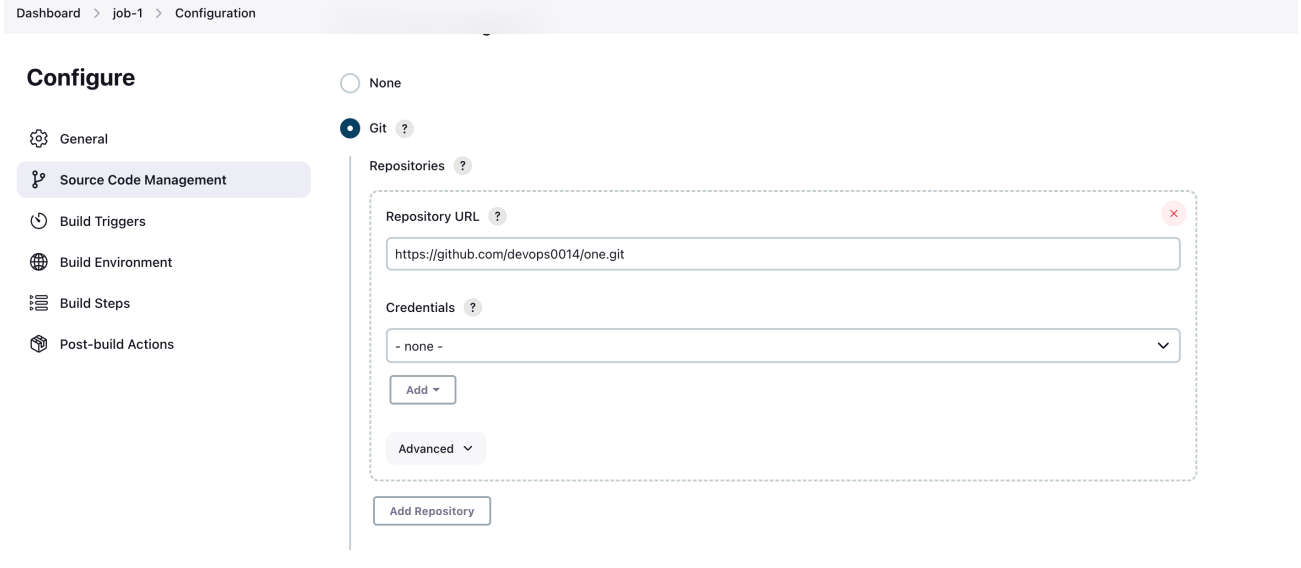
and add description as nexus credentials

CLICK ON TEST CONNECTION, THEN YOU WILL SEE THE MESSAGE



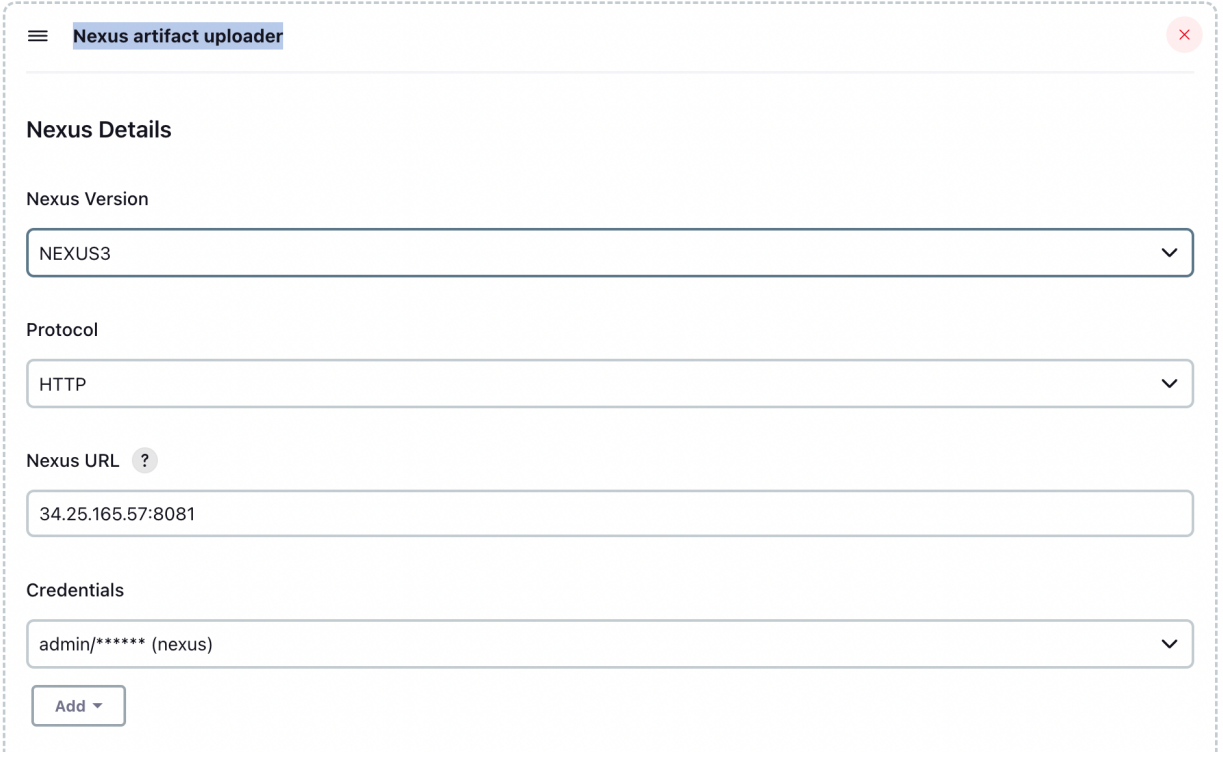
NOW GO AND CREATE A JOB

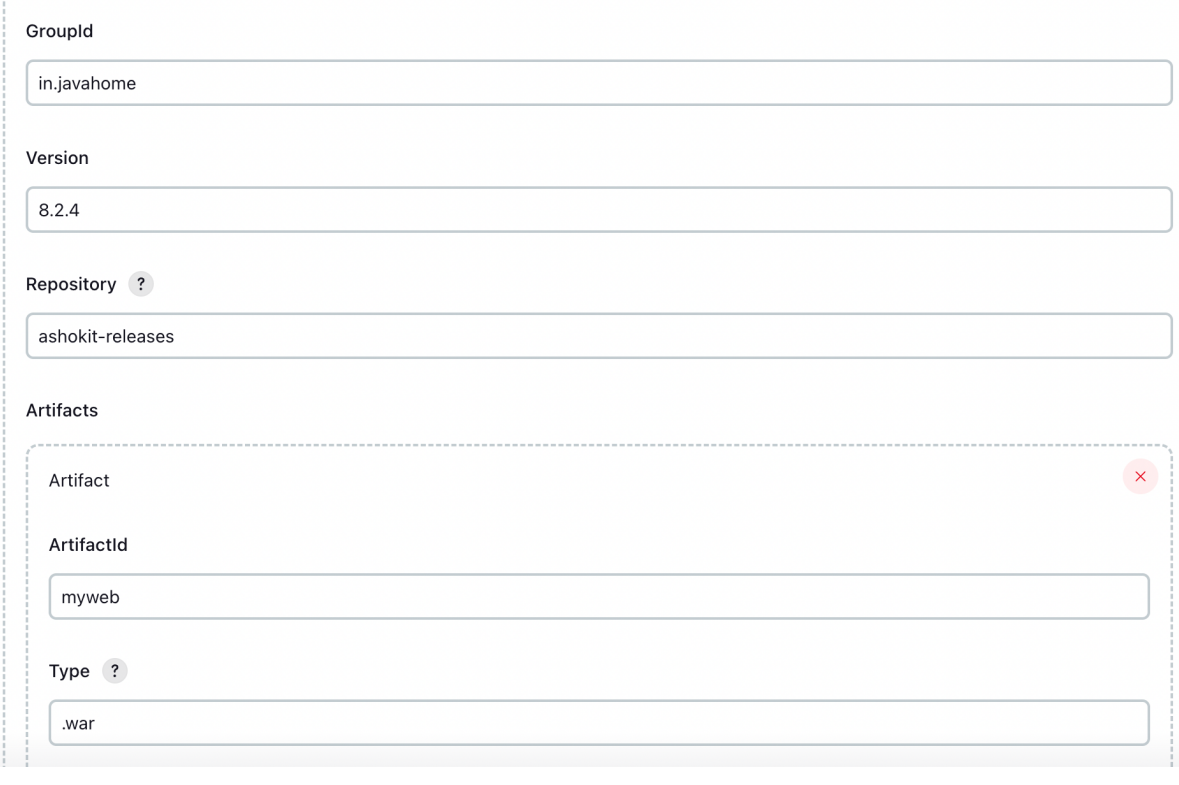
GIT: URL OF OUR PROJECT

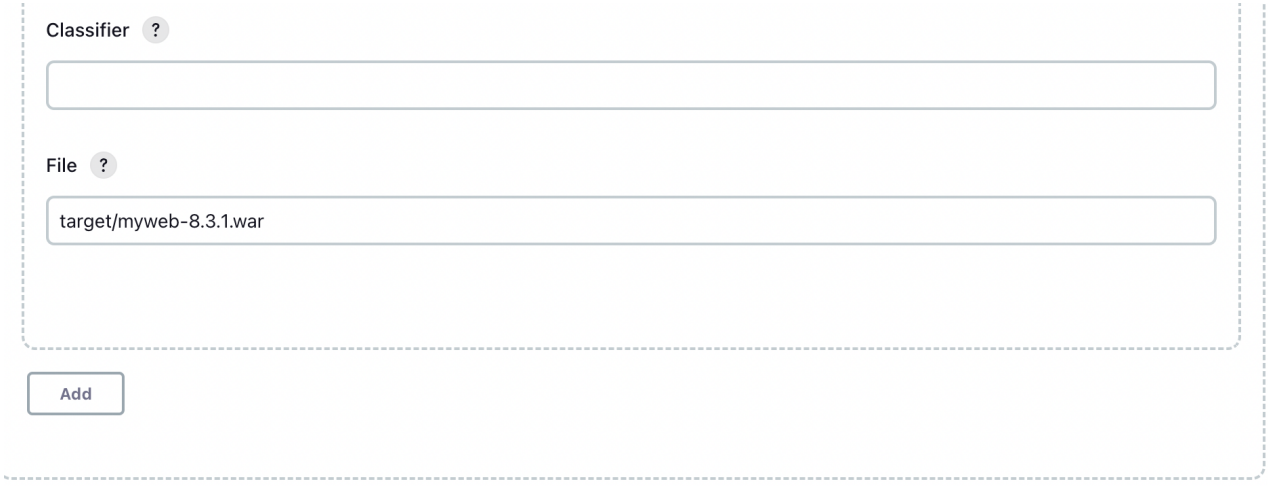


ADD BUILD STEP: invoke top-level maven targets

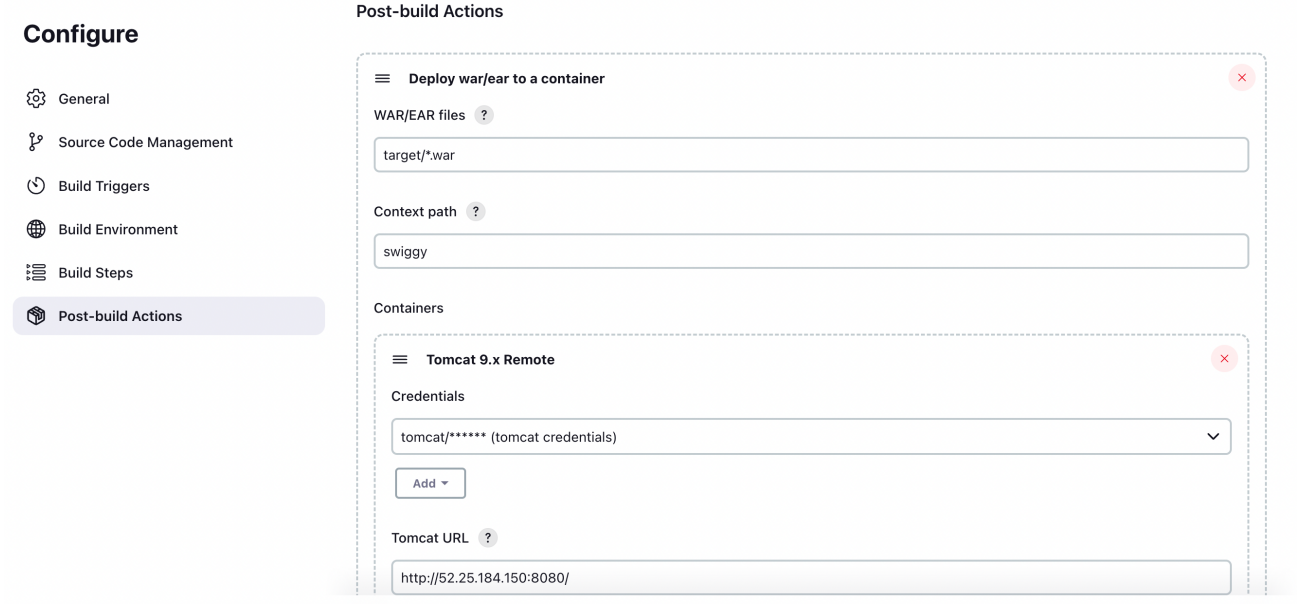
ADD BUILD STEP: **Nexus artifact uploader**







NOW GO TO POST BUILD ACTIONS: deploy war/ear to container



NOW SAVE AND BUILD THE JOB

IF THE BUILD GETS SUCCESS:

then we can see that war files are stored in nexus repository

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Install nexus **platform plugin** in jenkins

Go to jenkins —> configuration system —> nexus

Display name: nexus

Server-id: nexus-repo

Server url: public ip of nexus:8081

Credentials: ****

Test connection

Go to job:

Configure —>

Add a build step: **Nexus Repository Manager Publisher**

Nexus instance: auto update

Nexus-repo: sample-releases

packages:

Group: search in pom.xlm

Artifact id: search in pom.xlm

Version: search in pom.xlm

Package: war

Artifact:

File path: target/myweb-8.2.5.war

Extension: .war