

# NEXUS SETUP AND INTEGRATED TO JENKINS

STEP-1: LAUNCH INSTANCE WITH T2.MEDIUM AND 8081 PORT AND 20 GB OF EBS VOLUME

STEP-2: INSTALL JAVA AS THE NEXUS DEPENDENCY

-❶ (yum install java-17-amazon-corretto -y)

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

STEP-4: GO TO FOLDER (cd /app) STEP-5: DOWNLOAD THE NEXUS

[https://download.sonatype.com/nexus/3/nexus-3.83.2-01-linux-x86\\_64.tar.gz](https://download.sonatype.com/nexus/3/nexus-3.83.2-01-linux-x86_64.tar.gz)

STEP-6: UNTAR THE FILE (tar -zxvf nexus.tar.gz)

STEP-7: RENAME THE NEXUS FILE (mv nexus-\* nexus)

STEP-8: ADD NEXUS USER (useradd nexus)

STEP-9: CHANGE THE OWNERS OF THE FILES

(chown -R nexus:nexus file\_names)

STEP-10: CHANGE nexus.rc file

( vim /app/nexus/bin/nexus.rc)

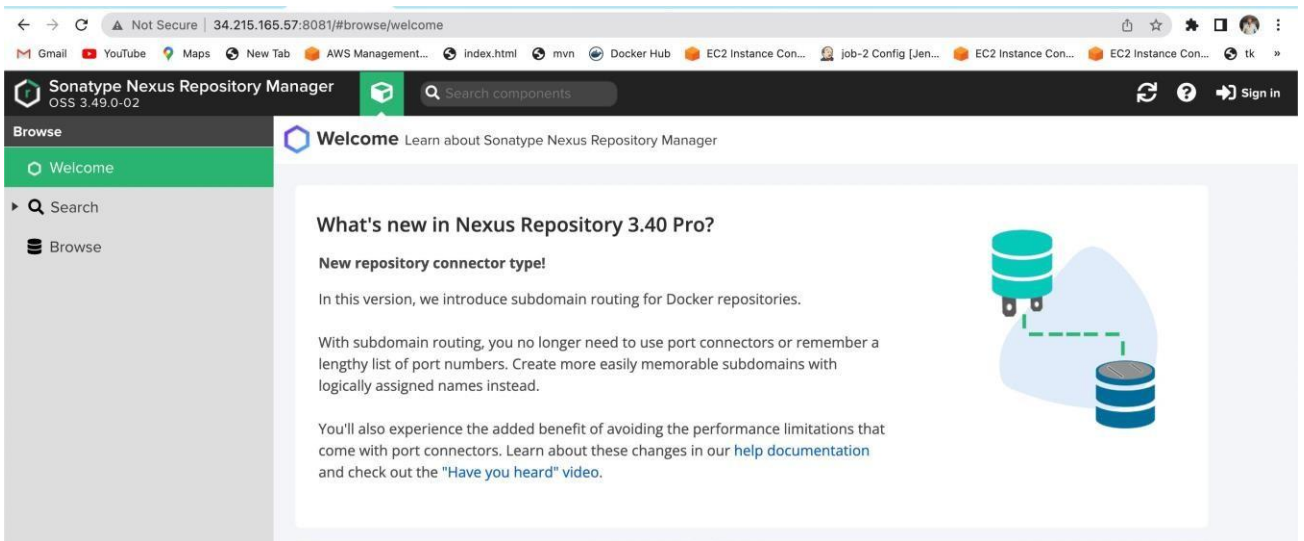
run\_as\_user="nexus" <---- inside nexus.rc

STEP-11: NOW START NEXUS SERVICE (./nexus/bin/nexus start )

AND SEE STATUS ( ./nexus/bin/nexus status )

-❷ wait for 2 minutes and copy the **public-ip** of your nexus server and access it with **8081** port CLICK

ON SIGN-IN

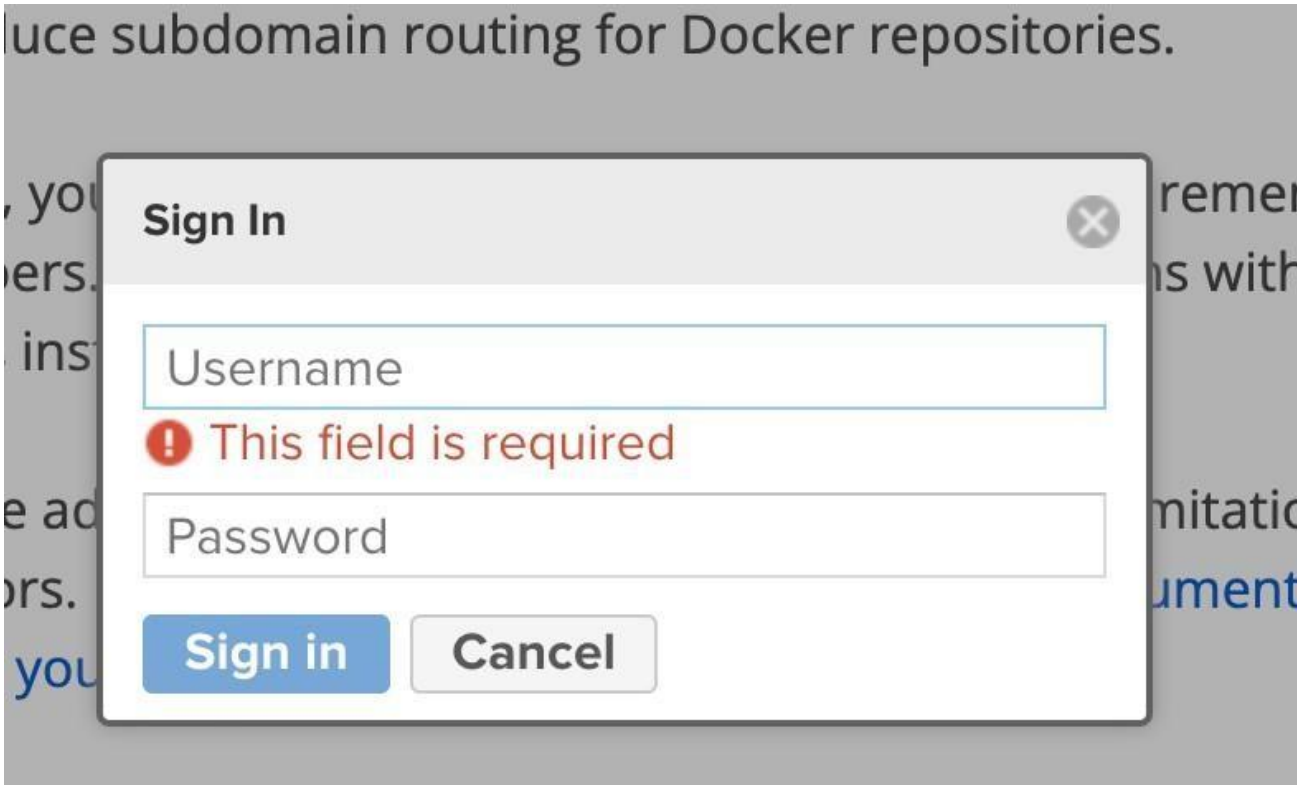



CLICK ON **SIGN-IN**

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









Sonatype Nexus Repository Manager

OSS 3.49.0-02







admin




Browse

Welcome


 Search

 Browse

 Upload


Welcome

Learn about Sonatype Nexus Repository Manager





In response to the log4j vulnerability identified in [CVE-2021-44228](#) (also known as "log4shell") impacting organizations world-wide, we are providing an experimental Log4j Visualizer capability to help our users identify log4j downloads impacted by CVE-2021-44228 so that they can mitigate the impact. Note that enabling this capability may impact Nexus Repository performance. Also note that the visualizer does not currently identify or track other log4j vulnerabilities.




NOW GO TO SERVER ADMINISTRATION AND CONFIGURATION




Sonatype Nexus Repository Manager

OSS 3.49.0-02





admin



Administration

Repository

Repositories

Blob Stores

Proprietary Repositories

Content Selectors

Cleanup Policies

Routing Rules

Security

Privileges

Roles

Users

Anonymous Access


LDAP


Realms


SSL Certificates


Repository


Repository administration


 Blob Stores

 Cleanup Policies


 Proprietary Repositories

 Repositories

 Routing Rules


 Content Selectors



























SELECT REPOSITORIES
























Repositories

Manage repositories

 Create repository

|  | 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

| 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)

**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

**Layout policy:**

Validate that all paths are maven artifact or metadata paths


Strict

**Content Disposition:**

Add Content-Disposition header as 'Attachment' to disable some content from being inline in a browser.































Inline

GIVE REPOSITORY NAME AS myapp-releases and click on create 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 |  |  | ➤ |
|  | myapp-releases  | 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   |  | ➤ |

now you can see our repository created in dashboard

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

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

Dashboard > job-1 > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

None

Git ?

Repositories ?

Repository URL ?

https://github.com/devops0014/one.git

Credentials ?

- none -

Add

Advanced

Add Repository

ADD BUILD STEP: invoke top-level maven targets

Build Steps

≡

Invoke top-level Maven targets ?

×

Goals

clean package

▼

Advanced ▼



ADD BUILD STEP: Nexus artifact uploader

≡

Nexus artifact uploader

×

Nexus Details

Nexus Version

NEXUS3

▼

Protocol

HTTP

▼

Nexus URL ?

34.25.165.57:8081

Credentials

admin/\*\*\*\*\* (nexus)

▼

Add ▼

GroupId

in-javascript

### Post-build Actions

### Post-build Actions

- Deploy war/ear to a container

WAR/EAR files ?

target/\*.war

Context path ?

swiggy

Containers

Tomcat 9.x Remote

Credentials

tomcat/\*\*\*\*\* (tomcat credentials) ▼

Add ▼

Tomcat URL ?

http://52.25.184.150:8080/

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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Or or or or or or or or or or or or or or or

=====

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.xml

Artifact id: search in pom.xml

Version: search in pom.xml

Package: war

Artifact:



File path: target/myweb-8.2.5.war

Extension: .war