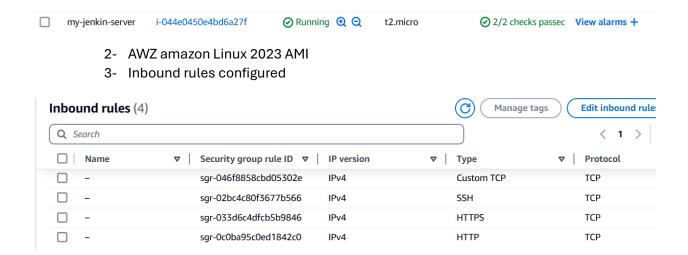
#### **Jenkins Task**

## **Task Description:**

Launch jenkins and explore creating projects and users.

#### Techstacks needs to be used:

- AWS EC2
- Jenkins
  - 1- Creating AWS EC2 instance



4- After connecting the EC2 instance

### 5- Run Jenkins repo to download and install Jenkins on EC2

[ec2-user@ip-172-31-4-7 ~]\$ sudo wget -0 /etc/yum.repos.d/jenkins.repo \
 https://pkg.jenkins.io/redhat-stable/jenkins.repo
--2024-11-26 21:56:44-- https://pkg.jenkins.io/redhat-stable/jenkins.repo
Resolving pkg.jenkins.io (pkg.jenkins.io)... 146.75.78.133, 2a04:4e42:83::645
Connecting to pkg.jenkins.io (pkg.jenkins.io)|146.75.78.133|:443... connected.
HTTP request sent, awaiting response... 200 OK

[ec2-user@ip-172-31-4-7 ~]\$ sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key

[ec2-user@ip-172-31-4-7 ~]\$ sudo yum upgrade

Jenkins-stable

Dependencies resolved.

Nothing to do.

Complete!

<pre>[ec2-user@ip-172-31-4-7 ~]\$ sudo dnf instal Last metadata expiration check: 0:00:22 ago Dependencies resolved.</pre>						
Package	Architecture	Version	Repository	Size		
Installing:						
java-17-amazon-corretto	x86 64	1:17.0.13+11-1.amzn2023.1	amazonlinux	213 k		
Installing dependencies:						
alsa-lib	x86 64	1.2.7.2-1.amzn2023.0.2	amazonlinux	504 k		
cairo	x86 64	1.17.6-2.amzn2023.0.1	amazonlinux	684 k		
dejavu-sans-fonts	noarch	2.37-16.amzn2023.0.2	amazonlinux	1.3 M		
dejavu-sans-mono-fonts	noarch	2.37-16.amzn2023.0.2	amazonlinux	467 k		
dejavu-serif-fonts	noarch	2.37-16.amzn2023.0.2	amazonlinux	1.0 M		
fontconfig	x86 64	2.13.94-2.amzn2023.0.2	amazonlinux	273 k		
fonts-filesystem	noarch	1:2.0.5-12.amzn2023.0.2	amazonlinux	9.5 k		
freetype	x86 64	2.13.2-5.amzn2023.0.1	amazonlinux	423 k		
giflib	x86 64	5.2.1-9.amzn2023.0.1	amazonlinux	49 k		
google-noto-fonts-common	noarch	20201206-2.amzn2023.0.2	amazonlinux	15 k		
google-noto-sans-vf-fonts	noarch	20201206-2.amzn2023.0.2	amazonlinux	492 k		
graphite2	x86 64	1.3.14-7.amzn2023.0.2	amazonlinux	97 k		
harfbuzz	x86 64	7.0.0-2.amzn2023.0.1	amazonlinux	868 k		
java-17-amazon-corretto-headless	x86 64	1:17.0.13+11-1.amzn2023.1	amazonlinux	91 M		
iavanackages-filesystem	noarch	6 0 0-7 amzn2023 0 6	amazonlinuv	12 k		

```
        Werifying
        : dejawu-serif-fonts-2.37-16.ammn2023.0.2.noarch
        5/35

        Werifying
        : fontconfig-2.13.94-2.ammn2023.0.2.x86.64
        6/35

        Werifying
        : fonts-filesystem-1:2.0.5-12.ammn2023.0.1.x86.64
        7/35

        Werifying
        : freetype-2.13.2-5.ammn2023.0.1.x86.64
        8/35

        Werifying
        : gogle-note-Sans-ver-fonts-2001206-2.ammn2023.0.2.noarch
        9/35

        Werifying
        : google-note-Sans-ver-fonts-2001206-2.ammn2023.0.2.noarch
        10/35

        Werifying
        : graphite2-1.3.14-7.ammn2023.0.2.x86.64
        12/35

        Werifying
        : jawa-17-amazon-corretto-1:17.0.13+11-1.ammn2023.1.x86.64
        12/35

        Werifying
        : jawa-17-amazon-corretto-1:17.0.13+11-1.ammn2023.1.x86.64
        14/35

        Werifying
        : jawa-17-amazon-corretto-deless-1:17.0.13+11-1.ammn2023.1.x86.64
        14/35

        Werifying
        : jawapackages-filesystem-6.0.0-7.ammn2023.0.4.noarch
        16/35

        Werifying
        : jawapackages-filesystem-6.0.0-7.ammn2023.0.4.noarch
        16/35

        Werifying
        : libios-1.1.1-3.ammn2023.0.1.x86.64
        18/35

        Werifying
        : libios-1.1.1-3.ammn2023.0.1.x86.64
        18/35

        Werifying
        : libix1-1.8.10-2.ammn2023.0.1.x86.64
        22/35
```

```
| GeoZ-user8ip-172-31-47-718 sudo ymm install jenkins - y Last metadata expiration check: 0102:54 ago on Tue Nov 26 21:57:35 2024. | Dependencies resolved. | Dependencies
```

[ec2-user@ip-172-31-4-7 ~]\$ sudo systemctl enable jenkins Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service → /usr/lib/systemd/system/jenkins.service. [ec2-user@ip-172-31-4-7 ~]\$

#### 6- Verification of Jenkins service

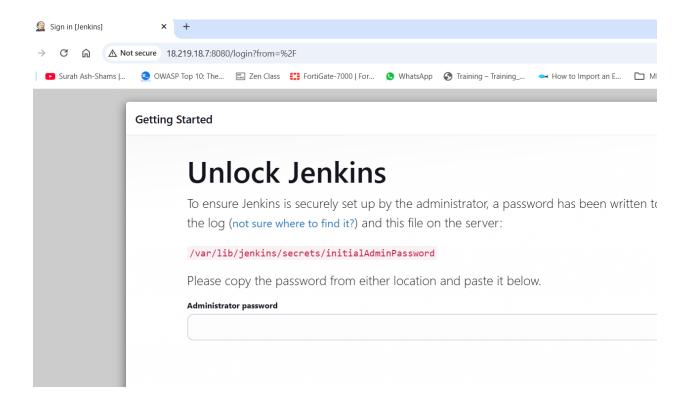
[ec2-user@ip-172-31-4-7 ~]\$ sudo systemct1 start jenkins

```
[ec2-user@ip-172-31-4-7 ~]$ sudo systemct1 status jenkins
* jenkins.service - Jenkins Continuous Integration Server
Loaded: loaded: (/usr/lib/system/jenkins.service; enabled; preset: disabled)
Active: active (running) since Tue 2024-11-26 22:01:43 UTC; 8s ago
Main PID: 26840 (java)
Tasks: 46 (limit: 1111)
Memory: 347.8M
CFU: 14.631s
CGroup: /system.slice/jenkins.service
__26840 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpEort=8080

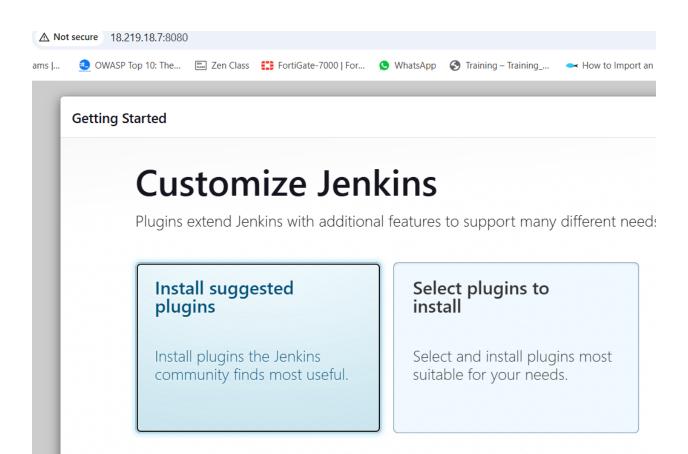
Nov 26 22:01:37 ip-172-31-4-7.us-east-2.compute.internal jenkins[26840]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Nov 26 22:01:37 ip-172-31-4-7.us-east-2.compute.internal jenkins[26840]: ***
Nov 26 22:01:37 ip-172-31-4-7.us-east-2.compute.internal jenkins[26840]: ***
Nov 26 22:01:43 ip-172-31-4-7.us-east-2.compute.internal jenkins[26840]: 2024-11-26 22:01:43.81+0000 [id=30] INFO jenkins.InitReactorRunner$1*or
Nov 26 22:01:43 ip-172-31-4-7.us-east-2.compute.internal jenkins[26840]: 2024-11-26 22:01:43.81+0000 [id=30] INFO hudson.lifecycle.iifecyclefonf
Nov 26 22:01:43 ip-172-31-4-7.us-east-2.compute.internal jenkins[26840]: 2024-11-26 22:01:43.789+0000 [id=66] INFO hudson.util.Retrier*start: Per
Nov 26 22:01:43 ip-172-31-4-7.us-east-2.compute.internal jenkins[26840]: 2024-11-26 22:01:43.789+0000 [id=66] INFO hudson.util.Retrier*start: Per
Nov 26 22:01:43 ip-172-31-4-7.us-east-2.compute.internal jenkins[26840]: 2024-11-26 22:01:43.789+0000 [id=66] INFO hudson.util.Retrier*start: Per
Nov 26 22:01:43 ip-172-31-4-7.us-east-2.compute.internal jenkins[26840]: 2024-11-26 22:01:43.789+0000 [id=66] INFO hudson.util.Retrier*start: Per
Nov 26 22:01:43 ip-172-31-4-7.us-east-2.compute.internal jenkins[26840]: 2024-11-26 22:01:43.789+0000 [id=66] INFO hudson.util.Retrier*sta
```

7- Connect to Jenkins via your browser

http:// 18.219.18.7:8080 from your browser



235b613d0b8f4ef09f4602d7b8eeb2d6



Getting Started	i			
G	etting Star	ted		
/ Folders	✓ OWASP Markup Formatter	Build Timeout	Credentials Binding	** Ionicons API Folders
Timestamper	Workspace Cleanup		💍 Gradle	OWASP Markup Formatter  ** ASM API  ** JSON Path API
Dipeline Pipeline	💍 GitHub Branch Source	<ul> <li>Pipeline: GitHub Groovy</li> <li>Libraries</li> </ul>	Ö Pipeline Graph View	** Structs  ** Pipeline: Step API  ** Token Macro
Git	SSH Build Agents	<ul> <li>Matrix Authorization</li> <li>Strategy</li> </ul>	PAM Authentication	Build Timeout
LDAP	C Email Extension	O Mailer	O Dark Theme	
Getting Start	<b>ed</b> kkacc			
Pa	issword			
	••••••			
Co	onfirm password			
	<u> </u>			

Full name

Umer

E-mail address

kkacc19@hotmail.com

## **Instance Configuration**

#### Jenkins URL:

http://18.219.18.7:8080/

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD\_URL environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

## **Getting Started**

# Jenkins is ready!

Your Jenkins setup is complete.

Start using Jenkins

