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Topic : Jenkins setup.

Assignment no. : 19

**Application Based installation**

1. Update the EC2 instance. Install Java in it.

Apt-get update

apt install openjdk-17-jre-headless

1. Install Jenkins.

sudo wget -O /etc/apt/keyrings/jenkins-keyring.asc \

https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key

echo "deb [signed-by=/etc/apt/keyrings/jenkins-keyring.asc]" \

https://pkg.jenkins.io/debian-stable binary/ | sudo tee \

/etc/apt/sources.list.d/jenkins.list > /dev/null

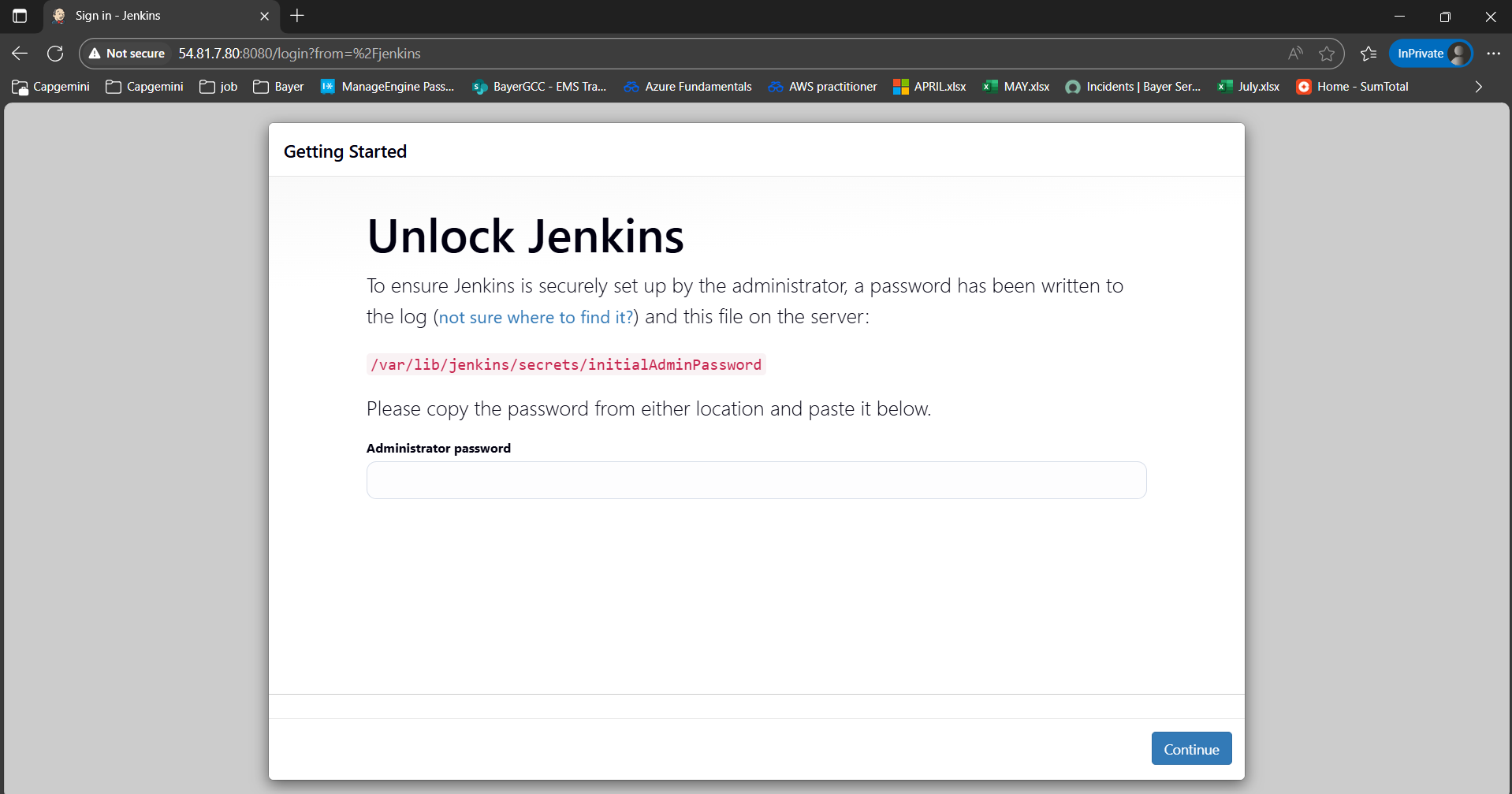
sudo apt-get update

sudo apt-get install Jenkins

A computer screen with text on it

AI-generated content may be incorrect.

1. Connect to instance and open Jenkins in it. “<public-ip>:8080/Jenkins”



1. Get the administrator password from instance from below location.

Cat /var/lib/jenkins/secrets/initialAdminPassword

A black screen with white text

AI-generated content may be incorrect.

1. Homepage of Jenkins to install plugins.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

1. Create admin user.

A screenshot of a login page

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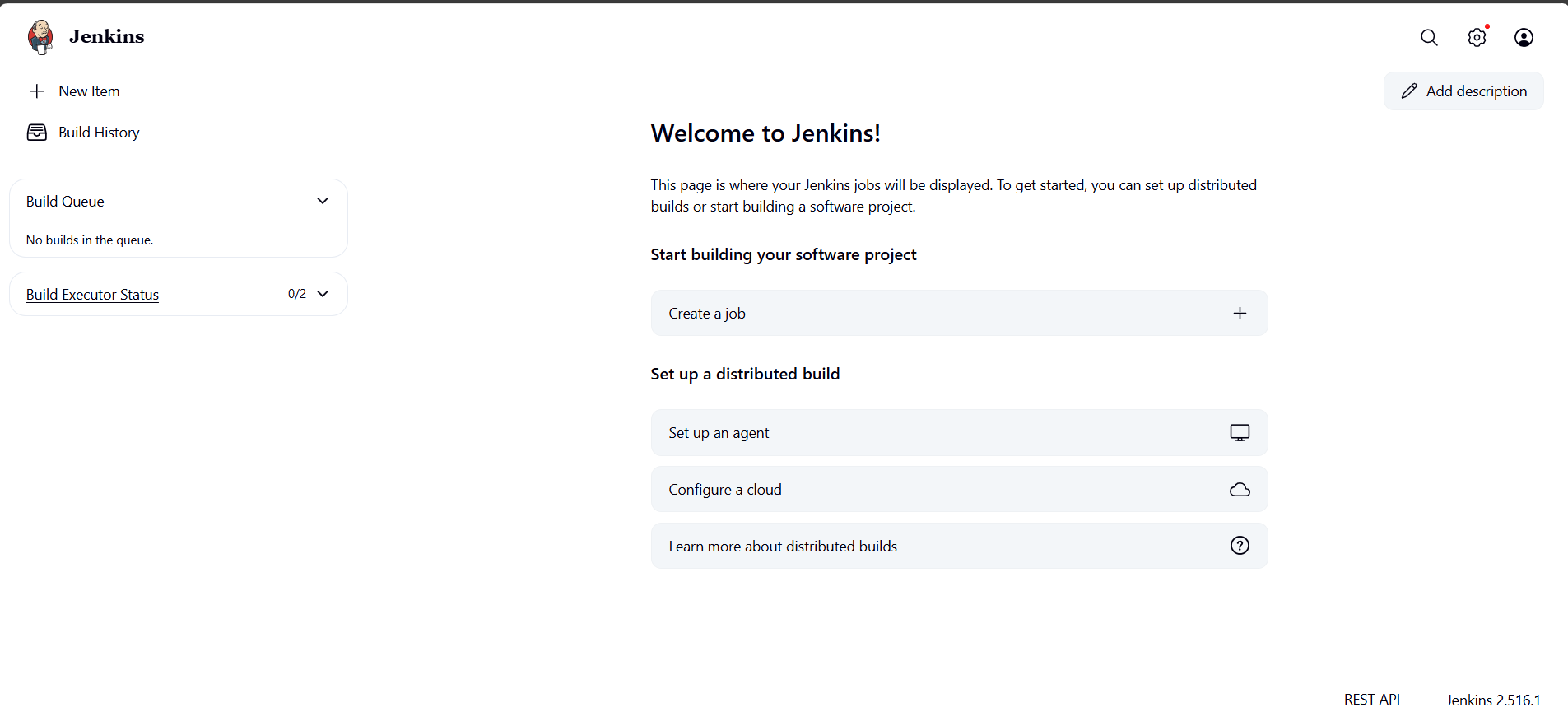
A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

1. Homepage after login as user admin.



Service Based Installation

1. Update the instance and install java
2. Install tomcat

wget <https://downloads.apache.org/tomcat/tomcat-10/v10.1.44/bin/apache-tomcat-10.1.44.tar.gz>

sudo tar xzvf apache-tomcat-10.1.44.tar.gz -C /opt/tomcat --strip-components=1

sudo chown -R 777 /opt/tomcat

/opt/tomcat/bin/shutdown.sh

1. Install Jenkins in tomcat.

cd /opt/tomcat/webapps/

wget <https://get.jenkins.io/war-stable/2.516.1/jenkins.war>

java -jar jenkins.war

1. Hence successfully we can access Jenkins.

<public-ip>:8080

