#Nexus setup: http://clusterfrak.com/sysops/app\_installs/nexus\_install/#download-nexus-repository-oss

#go to root user: sudo -i or sudo su

#First section – Execute the commands - Start

sudo -i

#Install the packages that are needed to support Nexus Repository OSS

yum clean all

yum -y install sudo vim wget net-tools java-1.8.0-openjdk.x86\_64

#Create Installation Directory

mkdir /opt/nexus

cd /opt/nexus

#Download Nexus Repository OSS

wget http://www.sonatype.org/downloads/nexus-latest-bundle.tar.gz

#Unzip the nexus package

tar -xzvf nexus-latest-bundle.tar.gz

#Copy Init Script: Crosscheck the below source path before you run this command

cp /opt/nexus/nexus-2.14.8-01/bin/nexus /etc/init.d/

#Change the Init Script with NEXUS\_HOME path : Manual update

#First section –- end – execute the below commands manually

#Manual update – open the vi editor along with this command /etc/init.d/nexus and update the nexus\_home path.

#vi /etc/init.d/nexus

#NEXUS\_HOME="/opt/nexus/nexus-2.14.8-01"

#Manual update - end

#Add the Nexus User & set direcxtory permissions.

useradd nexus

chown -R nexus:nexus /opt/nexus/

chown nexus:nexus /etc/init.d/nexus

# Second section – execute the below commands manually - start

#Crosscheck this path & nexus.properties content.

#cat /opt/nexus/nexus-2.14.8-01/conf/nexus.properties

#nexus-webapp-context-path=/nexus

# Second section –End

#Third section – start – execute the below commands manually

#Login to nexus user & start nexus

su nexus

/etc/init.d/nexus start

#Third section – end

#Fourth section – Check the nexus in the browse using the public IP along with the port.

#Launch the URL in any browser: http://<PublicIP>:8081/nexus

#Fourth section – end

#Note:

#Note-1: Marked with the words "Crosscheck" & "Update" for manual actions. Search for those words in this file and take an action accordingly.

#Note-2: Please "Crosscheck" whether those details are correct are not. Update the paths if they are different.

#Installation Procedure: Follow each section and execute the commands

#Step-1: execute the commands in the #First section, and then paste it on your terminal. All the commands will be executed one by one.

#Step-2: cat /opt/nexus/nexus-2.14.8-01/conf/nexus.properties – check if contents are displayed in your browser. (cat followed by command)

#Step-3: Manually you need to update the file /etc/init.d/nexus with NEXUS HOME as instructed in line number after first section.

#Step-4: Login with below default credentials in nexus. Click the sign in button and provide the below details.

#default user credentials

#Full admin access: Username/pwd: admin/admin123

#Partial admin access: Username/pwd: deployment/deployment123

#Go to maven home & update the settings.xml file with nexus user details.

#Example: vi /root/apache-maven-3.5.3/conf/settings.xml: update this settings file with below nexus credentials.

echo'

<server>

<id>deployment</id>

<username>deployment</username>

<password>deployment123</password>

</server>

'

#Add the below details in your project pom.xml file. Make sure the IP is correct.

#<distributionManagement>

# <repository>

# <id>deployment</id> <!-- this ID should match with server id which we configure in settings.xml file. -->

# <name>Nexus Release Repository</name>

# <url>http://18.219.252.49:8081/nexus/content/repositories/releases/</url>

# </repository>

# <snapshotRepository>

# <id>deployment</id>

# <name>Nexus Snapshots Repository</name>

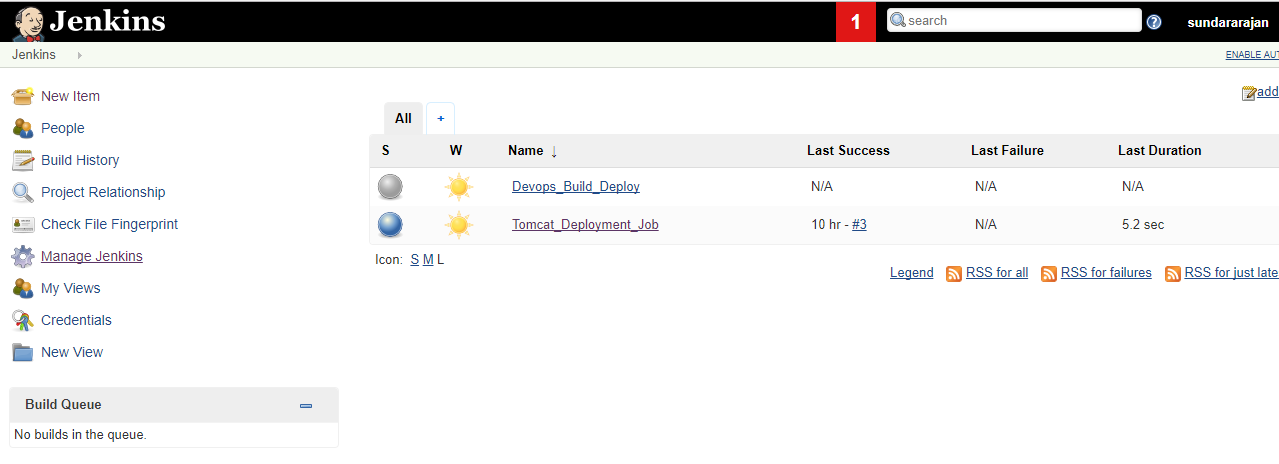
# <url>http://18.219.252.49:8081/nexus/content/repositories/snapshots/</url>

# </snapshotRepository>

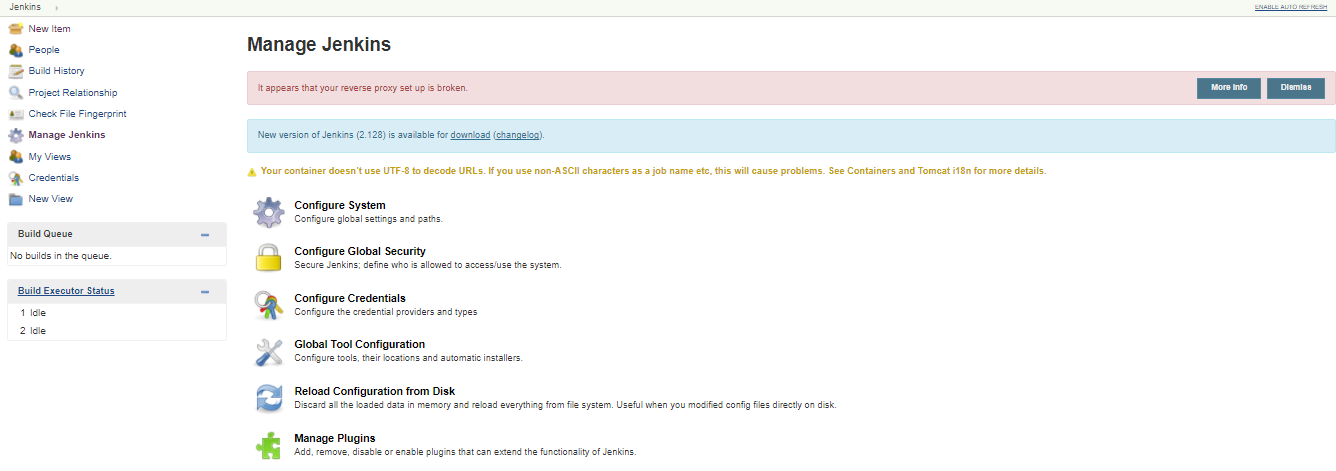
#</distributionManagement>

Follow the below procedure to setup a nexus job in Jenkins.

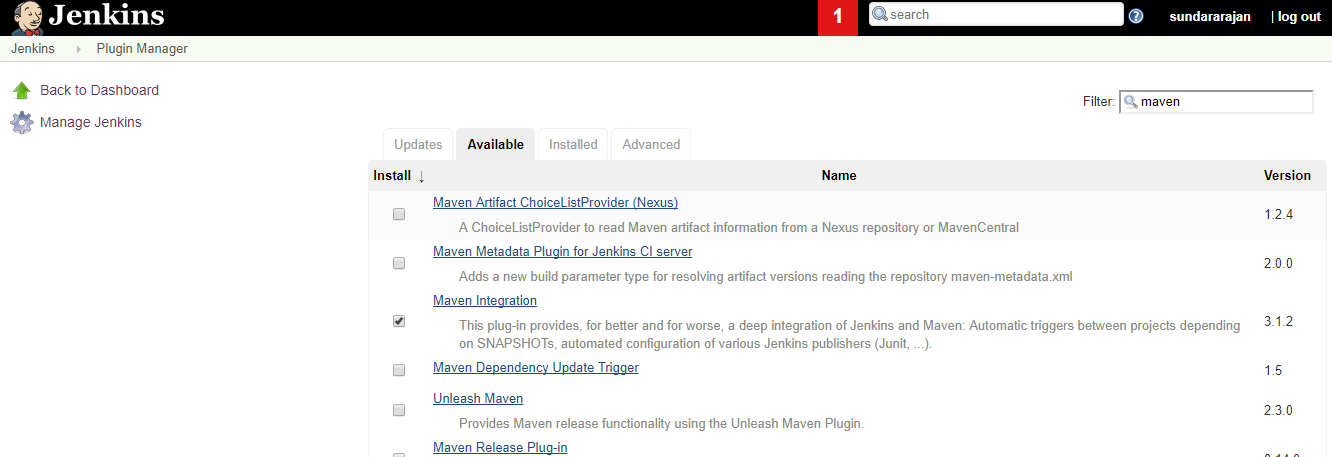
**Step 1**: Once you logged in Jenkins click the Manage Jenkins menu appears it in the left hand side menu.



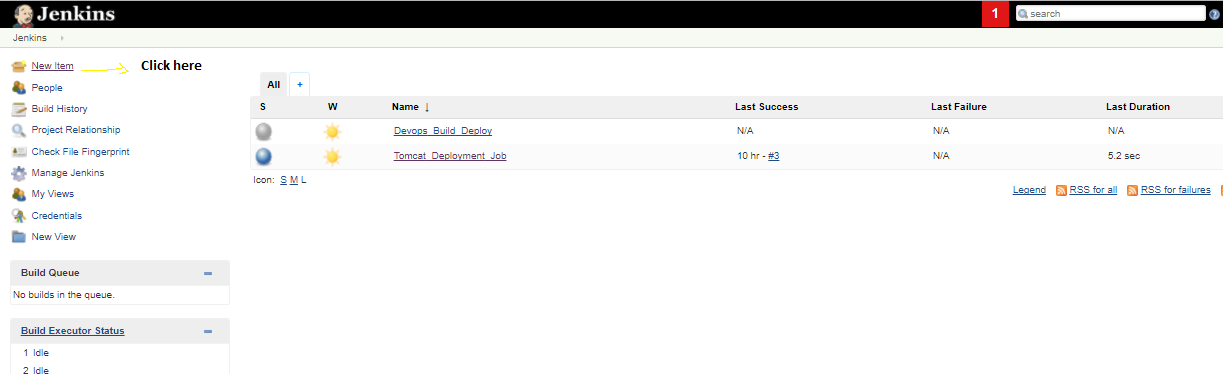
**Step 2** : In the next page click the Manage plugins



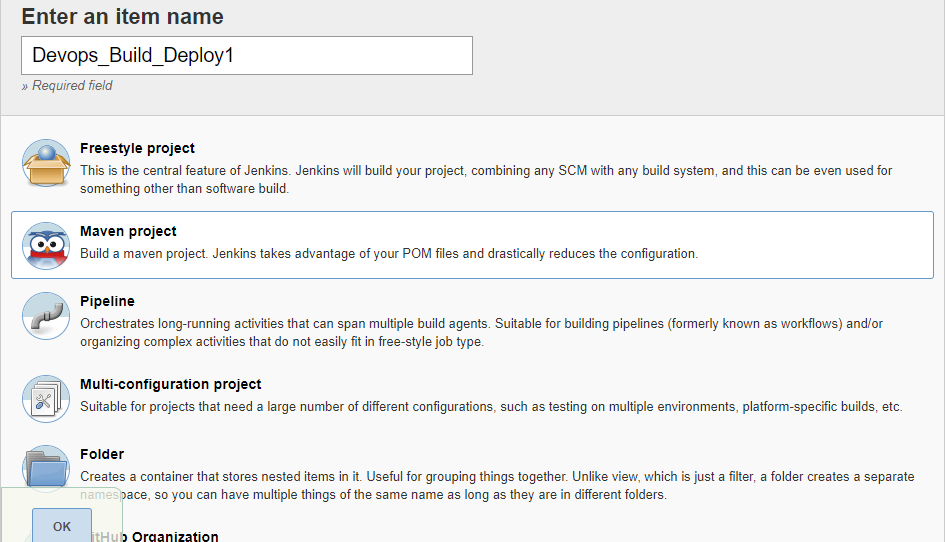
**Step 3**: Click the available tab and Install Maven integration plugin: (Click the download now and Install after restart)



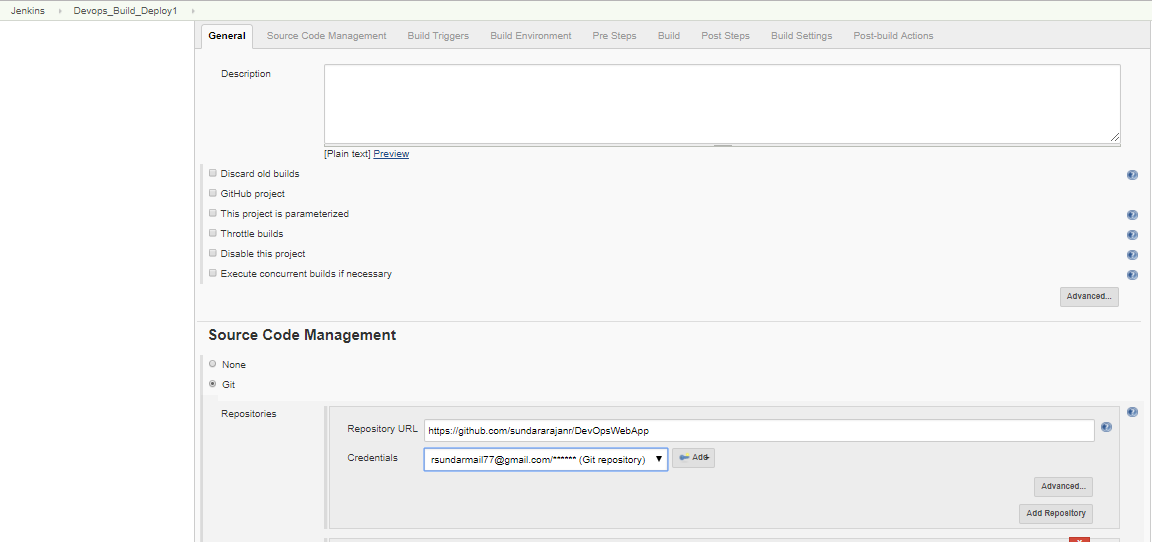
**Step 4**: Create a new job in Jenkins.



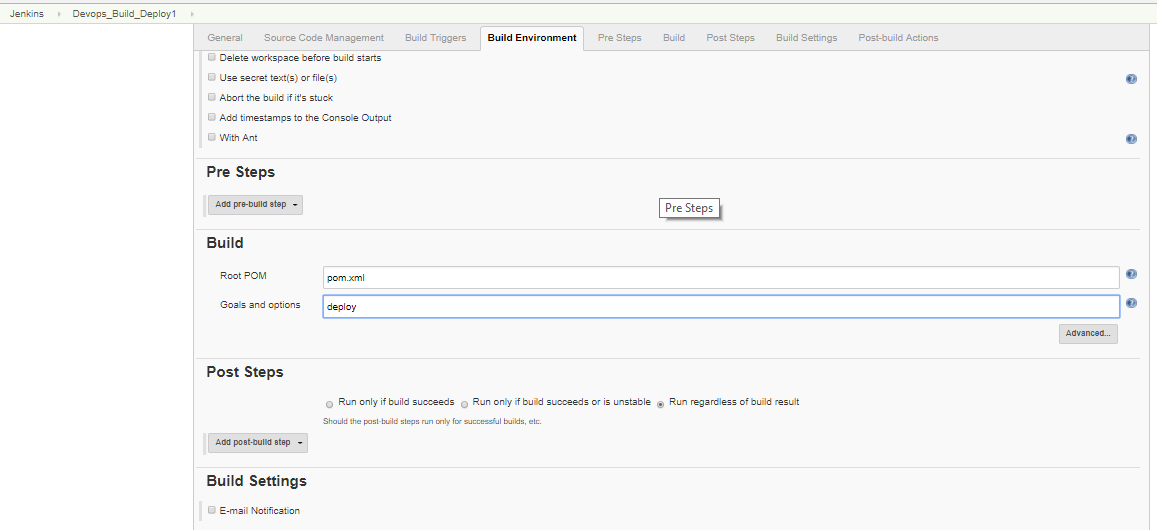
**Step 5**: Create a Maven Project while creating a new job to setup a nexus repository.



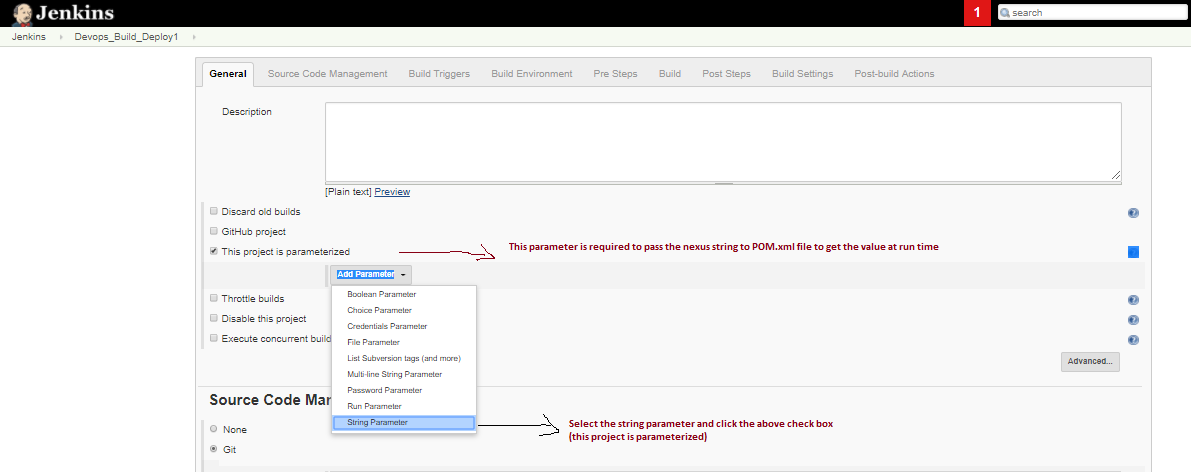
**Step 6**: select the source management tab and provide the git project path as mentioned below.

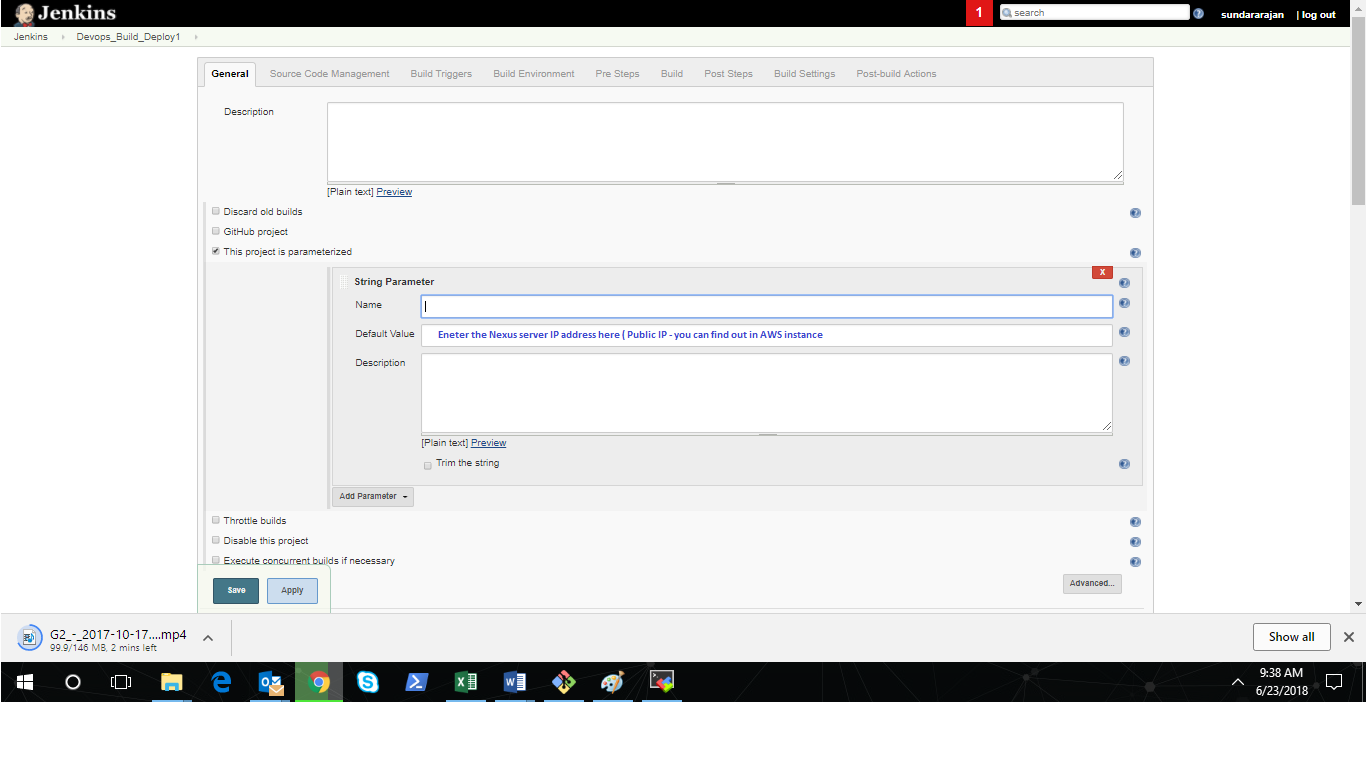


**Step 7**: select the build environment tab and provide the keyword “deploy” in Goals and options section as mentioned in the below screenshot. Click Apply button once you provided this keyword.

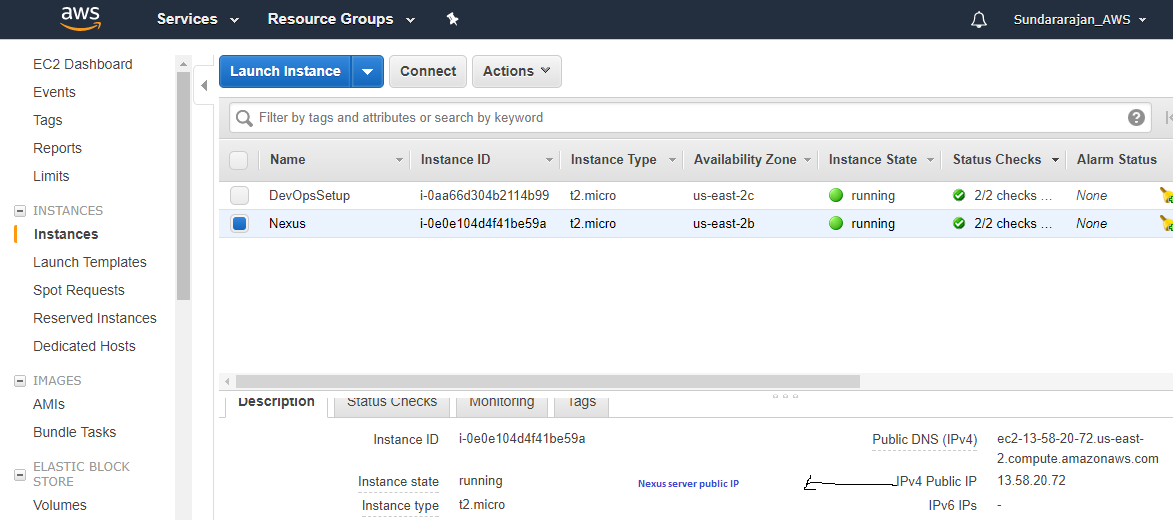


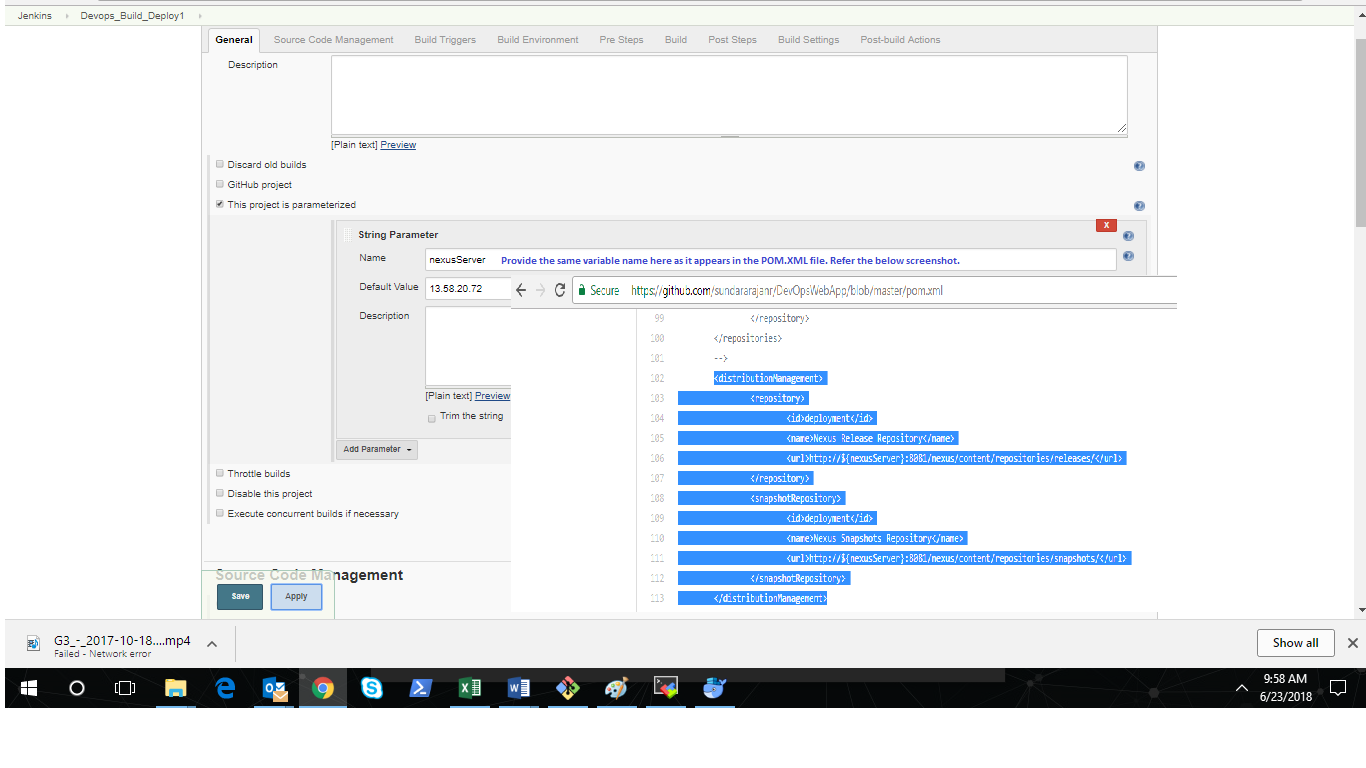
**Step 7**: Now we have to give a parameter value to POM.xml file to take the nexus server value at run time. Click the general tab and follow the below steps.



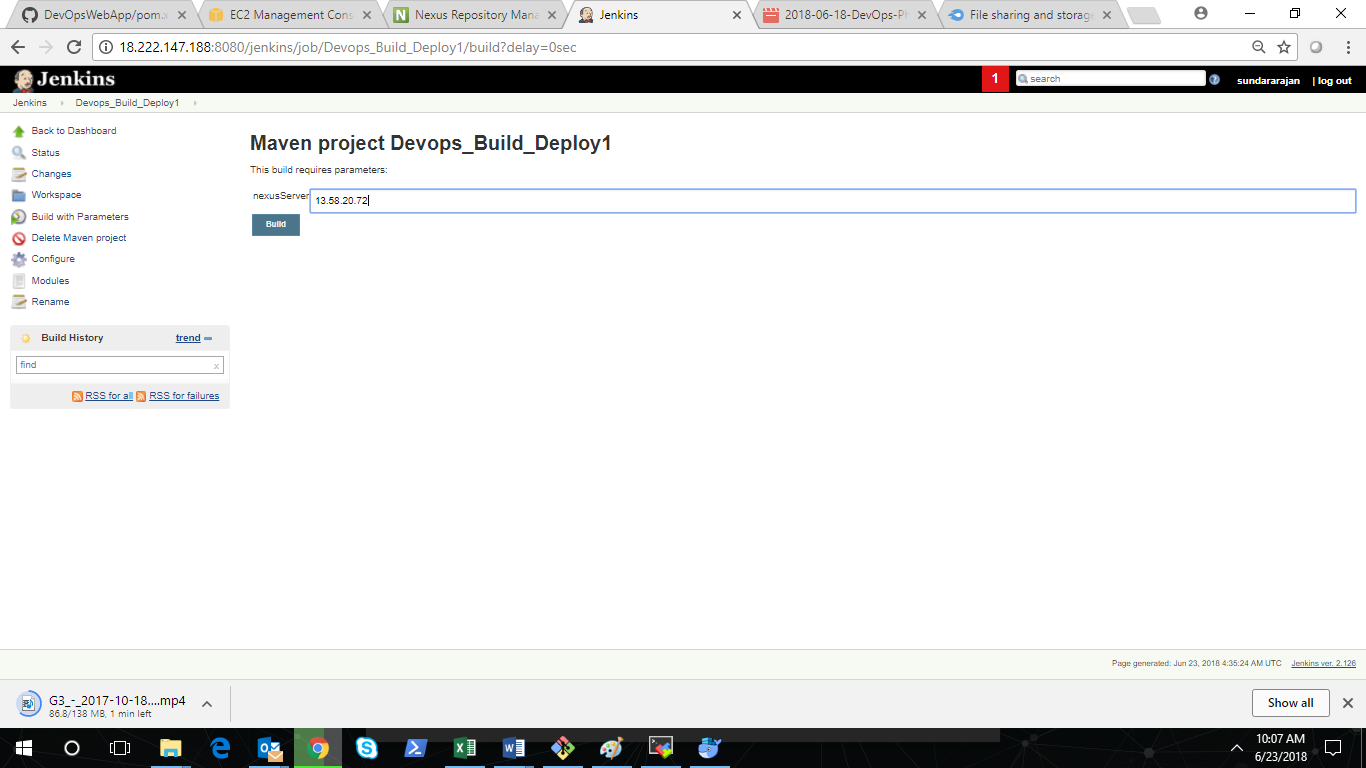


Take the next server IP in your AWS instance as mentioned below.





Click the save button once you provided the above details. Click the build with parameters menu appears it in the left hand side. Nexus server IP address shown as below and click **build**.



Final output screen as below :

