**Cloudbees Jenkins Distribution Install**

**Download Software**

1. Download Cloudbees Distribution (WAR File)
2. Download OpenJDK (11)
3. Download Apache Tomcat (8.5.38)

**Copy Distributions to your home directory in server**

**Configure .bash\_profile**

1. sudo su – pencdeploy
2. vi .bash\_profile

export JAVA\_HOME=/pencmw/java/jdk

export CATALINA\_HOME=/pencmw/Deployment\_Jenkins/tomcat

export JENKINS\_HOME=/pencmw/Deployment\_Jenkins

export CATALINA\_OPTS="-Djenkins.servlet.container=tomcat8"

export PATH=$JAVA\_HOME/bin:$PATH

1. exit
2. sudo su- pencdeploy

**Install Java**

1. sudo su – pencdeploy
2. mkdir /pencmw/java
3. tar xvfz /home/mikcharc/openjdk-11.0.2\_linux-x64\_bin.tar.gz
4. ln -s jdk-11.0.2 jdk

**Add Wildcard Cert to JDK cacerts file**

1. keytool -importcert -alias wildcard -file /pencmw\_common/TEMP/cert\_working/Wildcard.cer -cacerts

**Install Tomcat**

1. sudo su – pencdeploy
2. mkdir /pencmw/Deployment\_Jenkins
3. cd /pencmw/Deployment\_Jenkins
4. tar xvfz /home/mikcharc/apache-tomcat-8.5.38.tar.gz
5. ln -s apache-tomcat-8.5.38 tomcat

**Configure Tomcat**

1. sudo su – pencdeploy
2. cd $CATALINA\_HOME/conf
3. vi server.xml – in the SSL Section add the following connector

<Connector port="8443" protocol="org.apache.coyote.http11.Http11NioProtocol"

maxThreads="250" SSLEnabled="true">

<SSLHostConfig>

<Certificate certificateKeystoreFile="conf/penc.local.jks"

certificateKeystorePassword="L0g1t3ch" />

</SSLHostConfig>

</Connector>

1. copy over the keystore file from another working Tomcat

cd /pencmw/Deployment\_Jenkins/tomcat/conf

scp mikcharc@takis1bcp:/pencmw/penc-record-app/tomcat/conf/penc.local.jks .

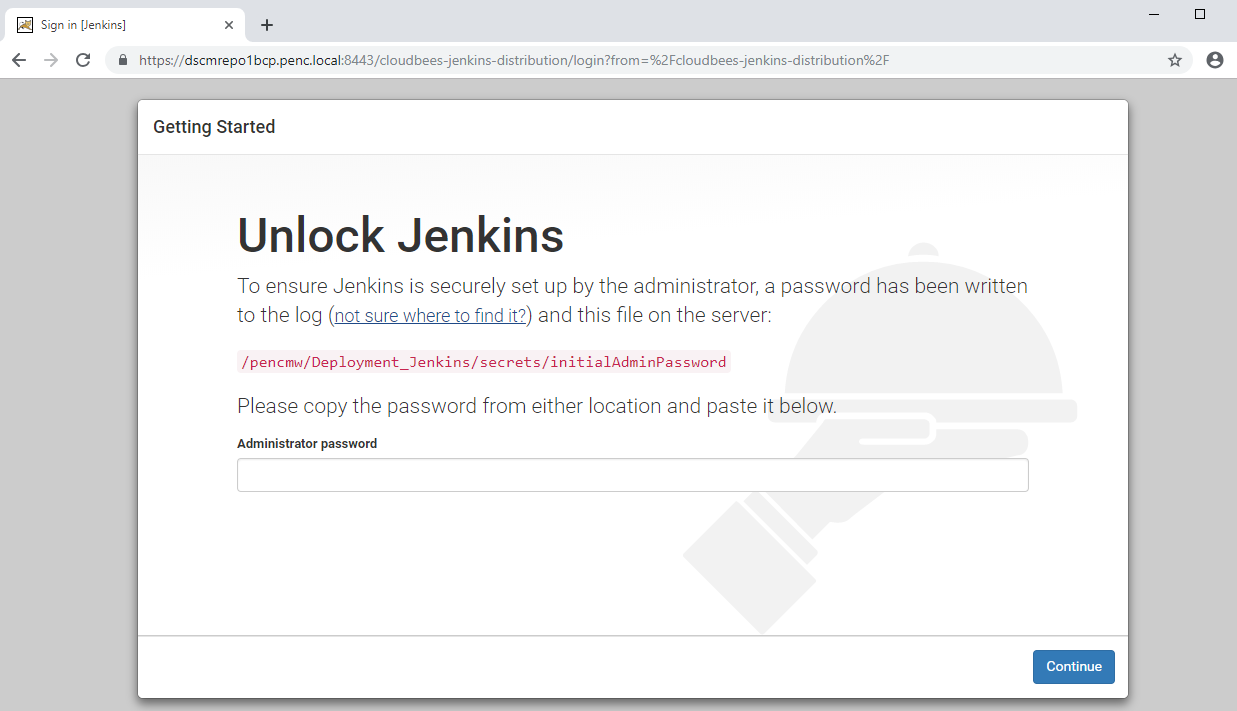
1. cd $CATALINA\_HOME/bin
2. ./startup.sh

**Install Cloudbees Jenkins Distribution into Tomcat**

1. cp /home/mikcharc/cloudbees-jenkins-distribution.war $CATALINA\_HOME/webapps

**Configure Cloudbees Jenkins Distribution**

1. goto https://pdeploy1bcp.penc.local:8443/cloudbees-jenkins-distribution



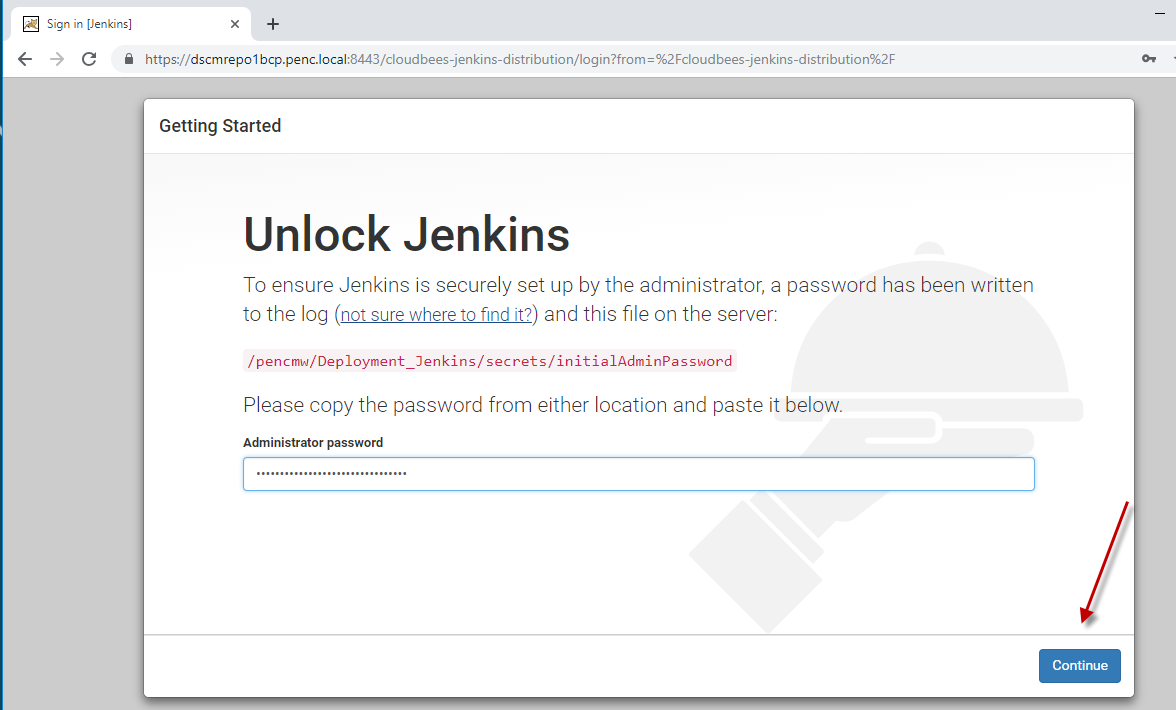
1. cd /pencmw/Deployment\_Jenkins/secrets
2. cat initialAdminPassword

[pencdeploy@dscmrepo1bcp secrets]$ cat initialAdminPassword

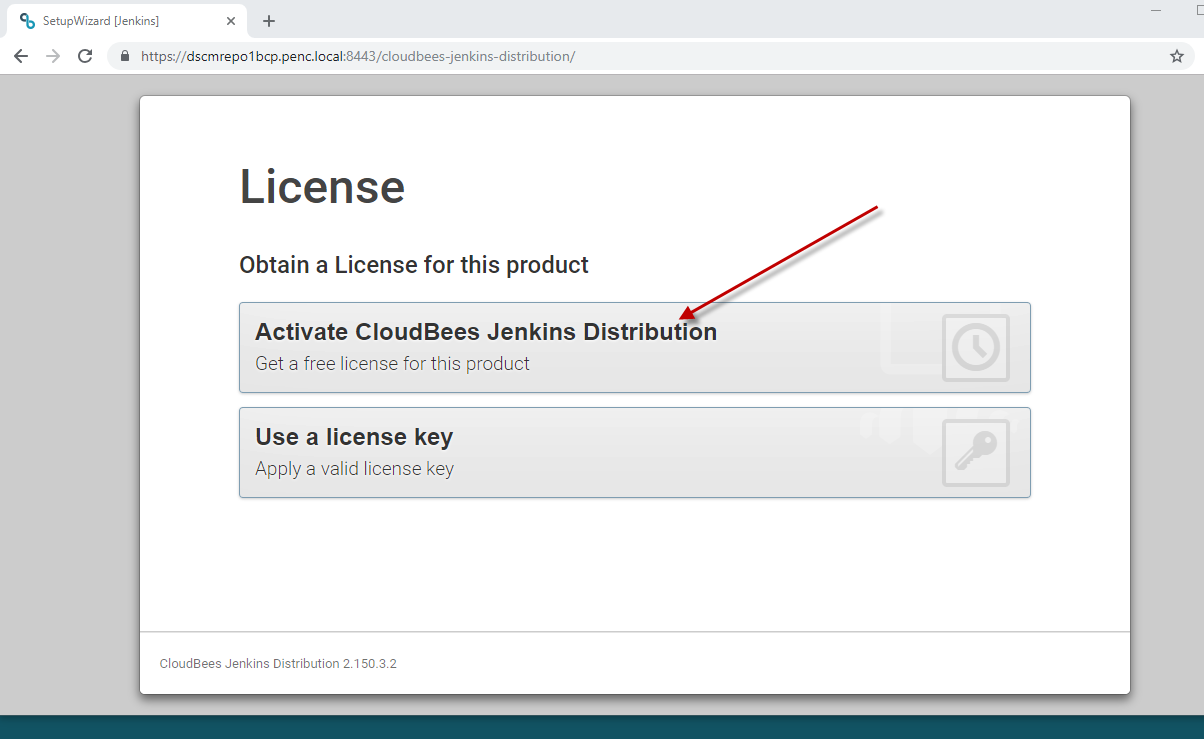
b8db6138a3a44c128ea2831a7bf6d18b

[pencdeploy@dscmrepo1bcp secrets]$

1. Put the initial password in the browser and press Continue



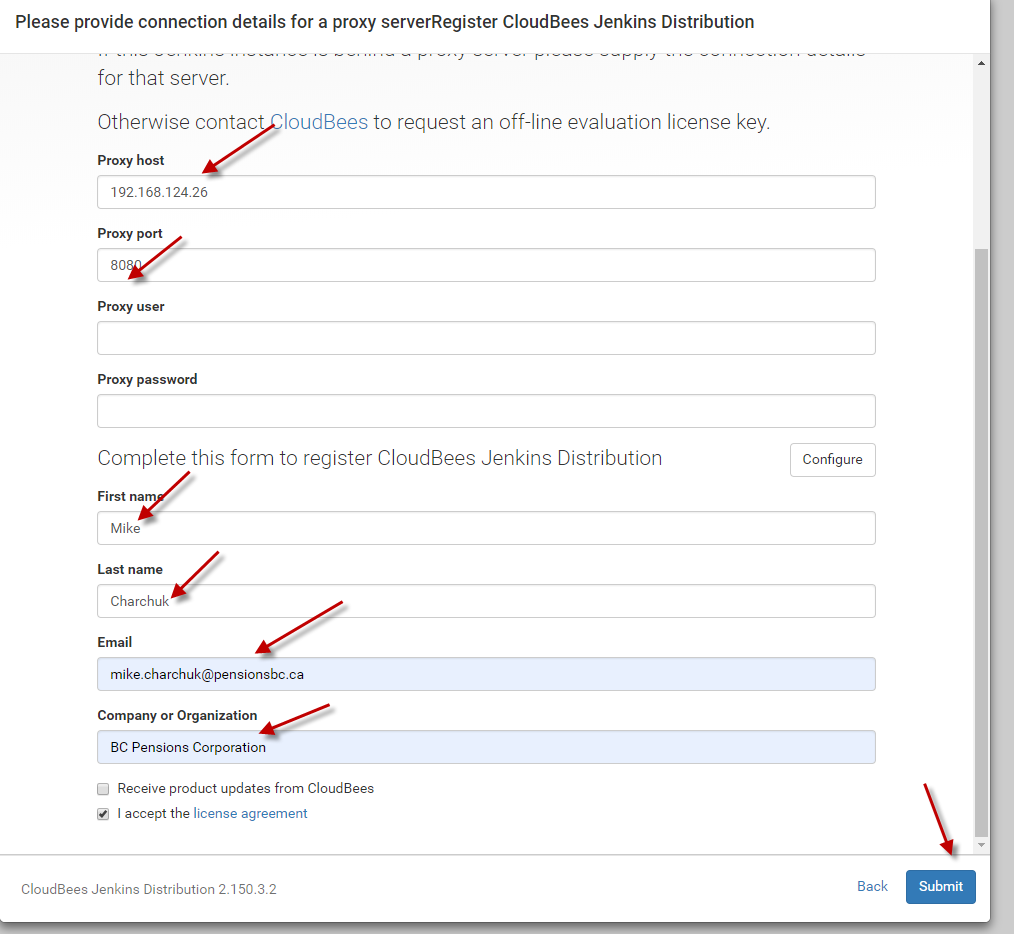
1. Activate Licence



Configure the proxy so that a licence can be obtained from CloudBees

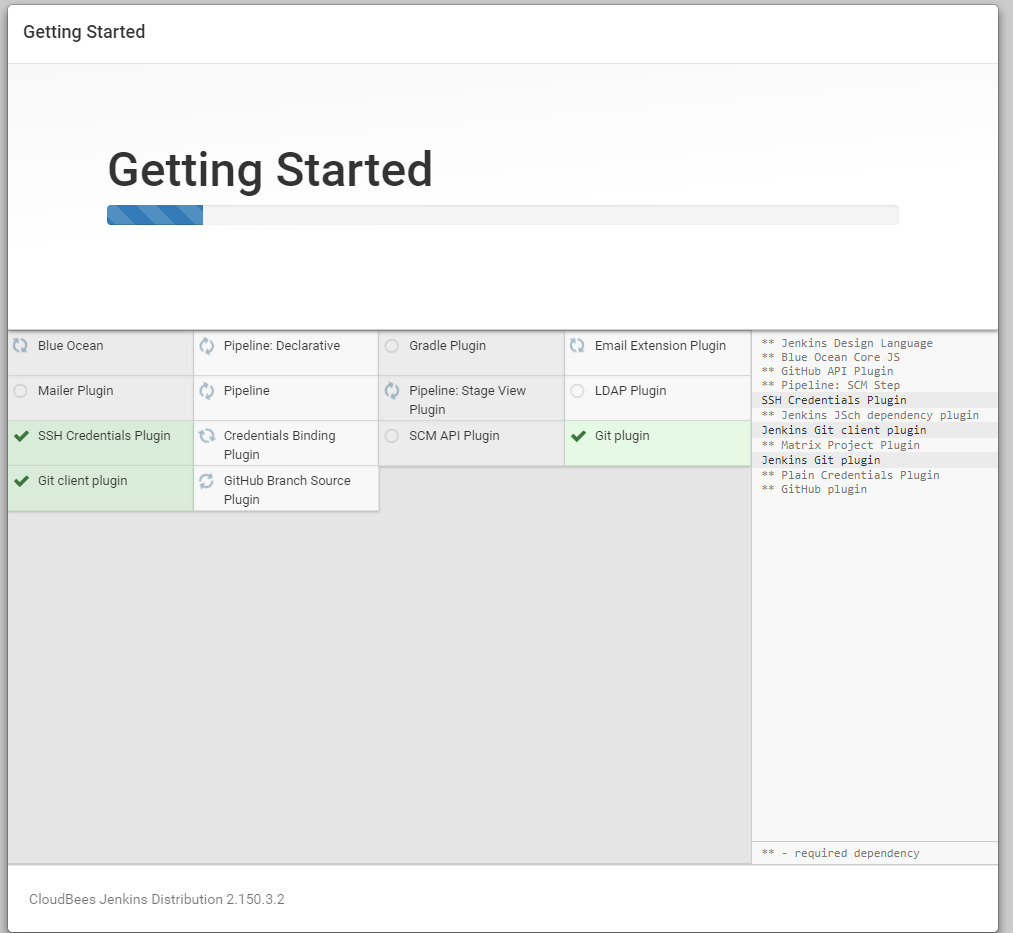
Proxy Host – 198.168.124.26

Proxy Port – 8080

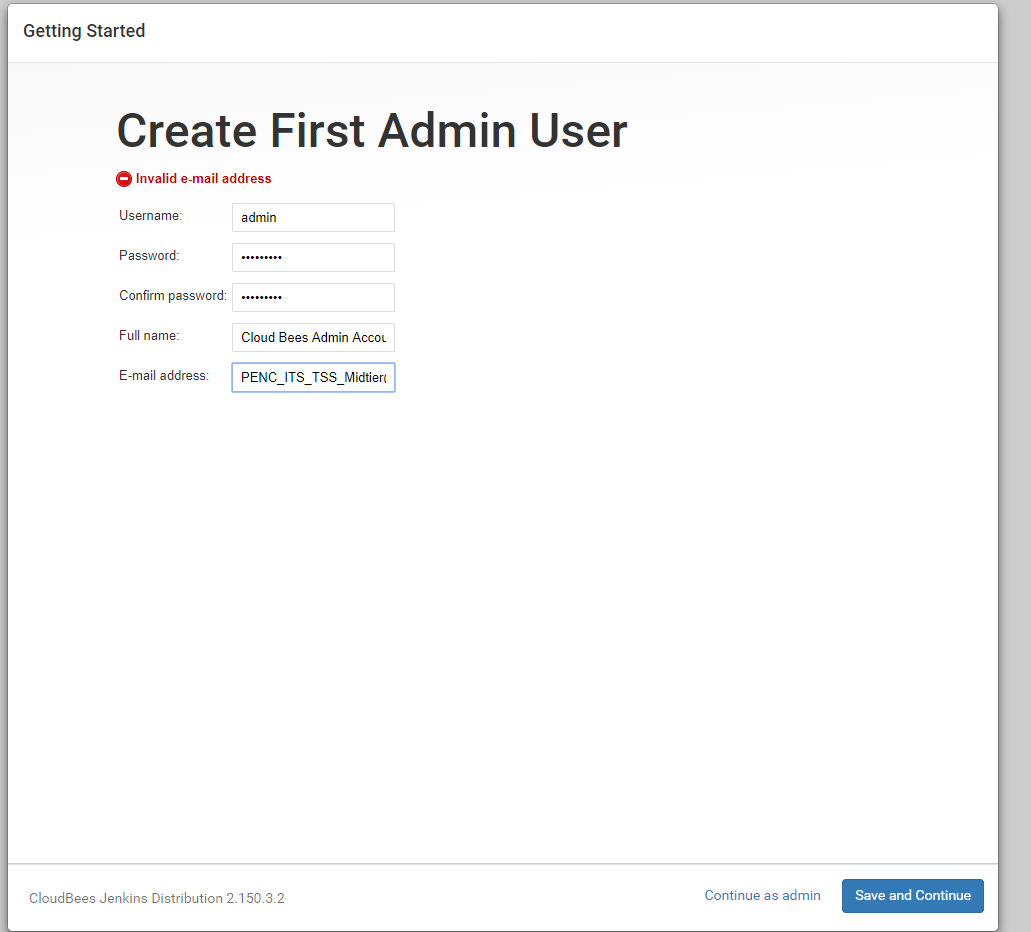


1. Install Suggested plugins

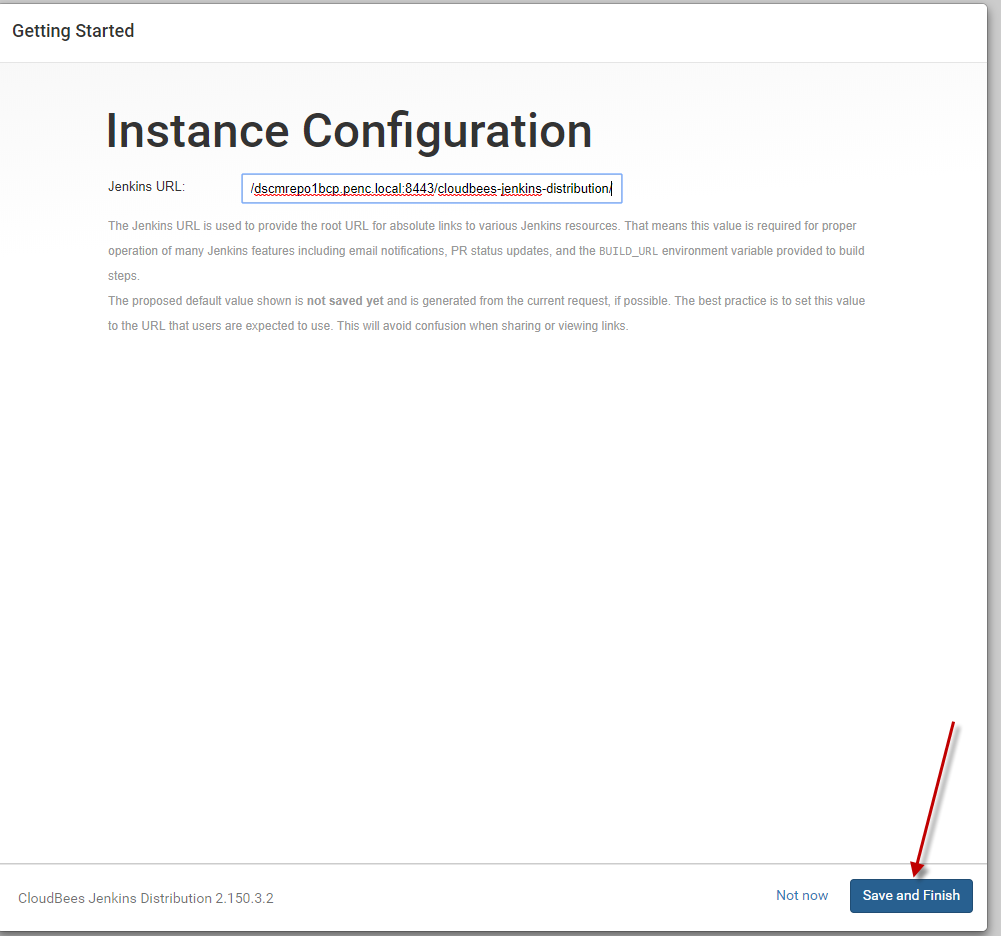




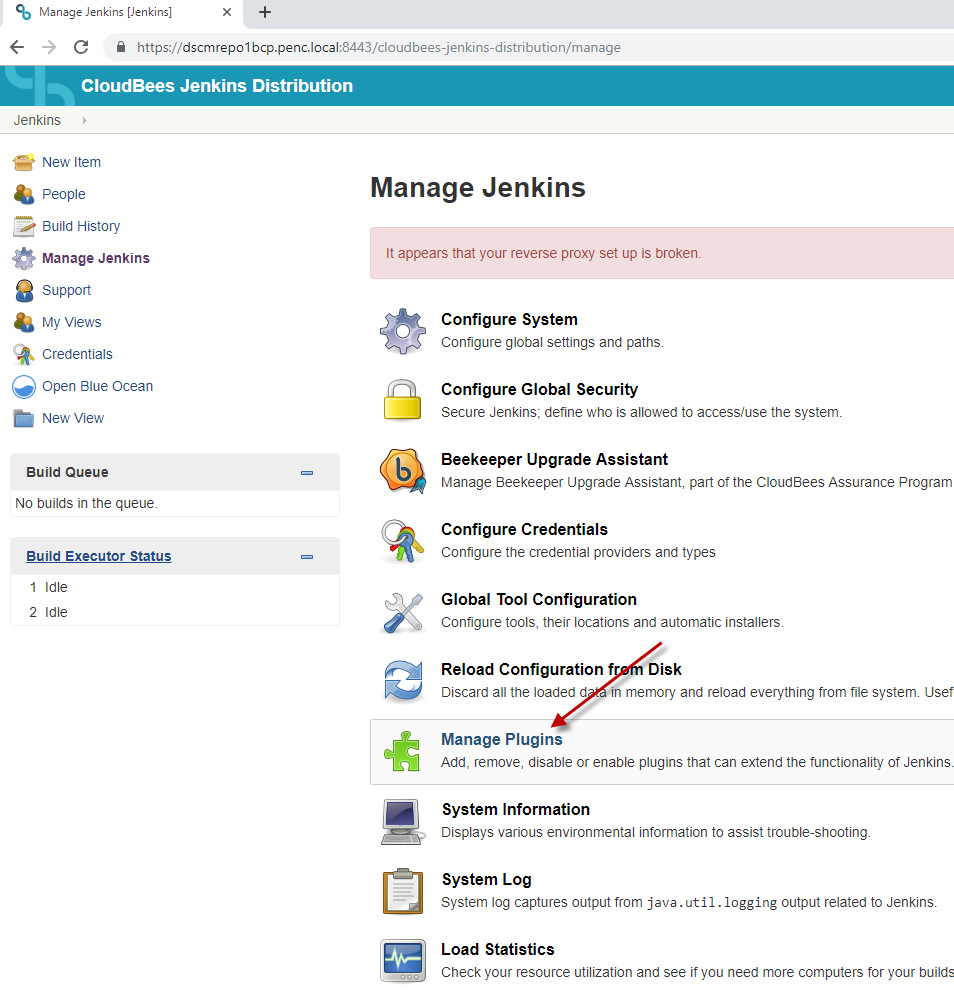
1. Create the Admin User



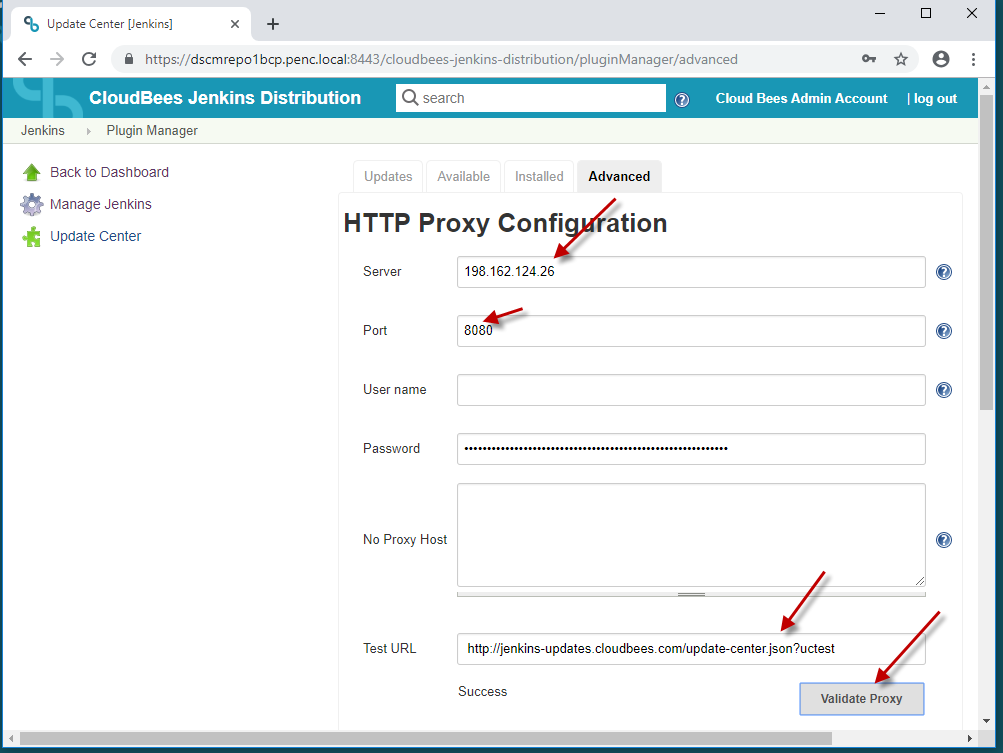
1. Complete configuration



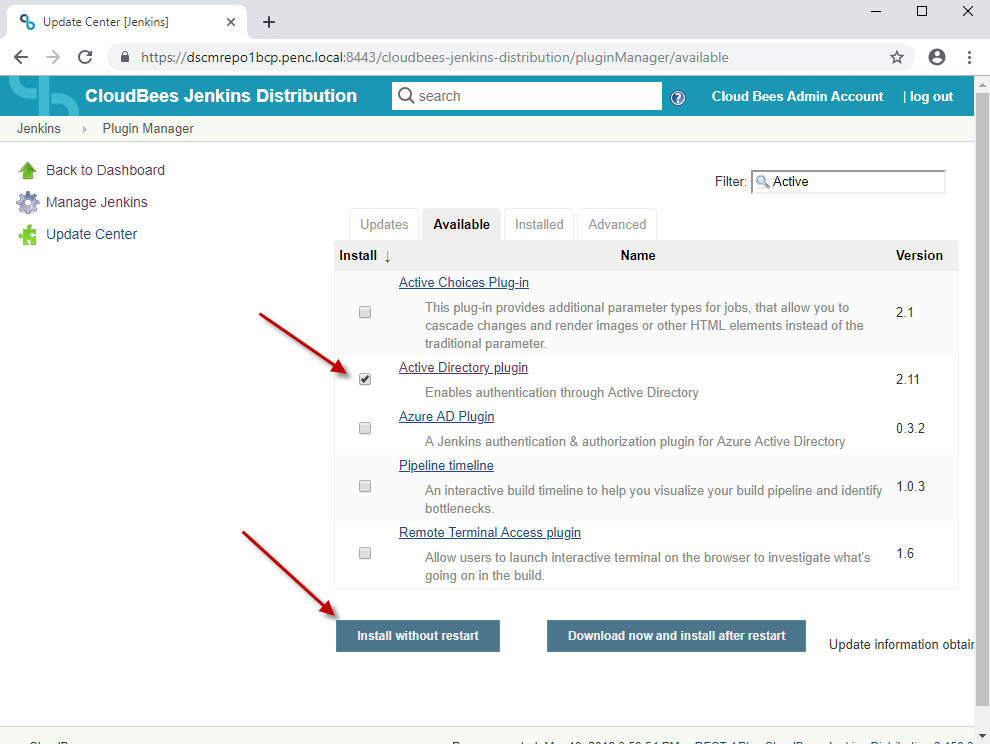
1. Add additional Plugins

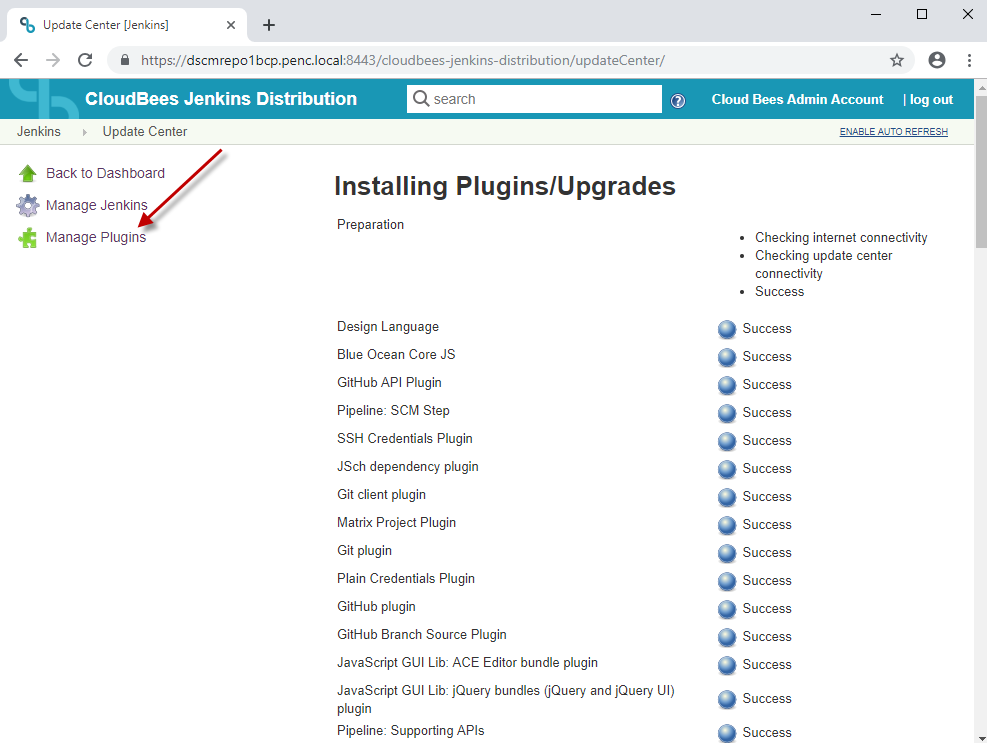


1. Make sure the proxy is configured and validate with a test url

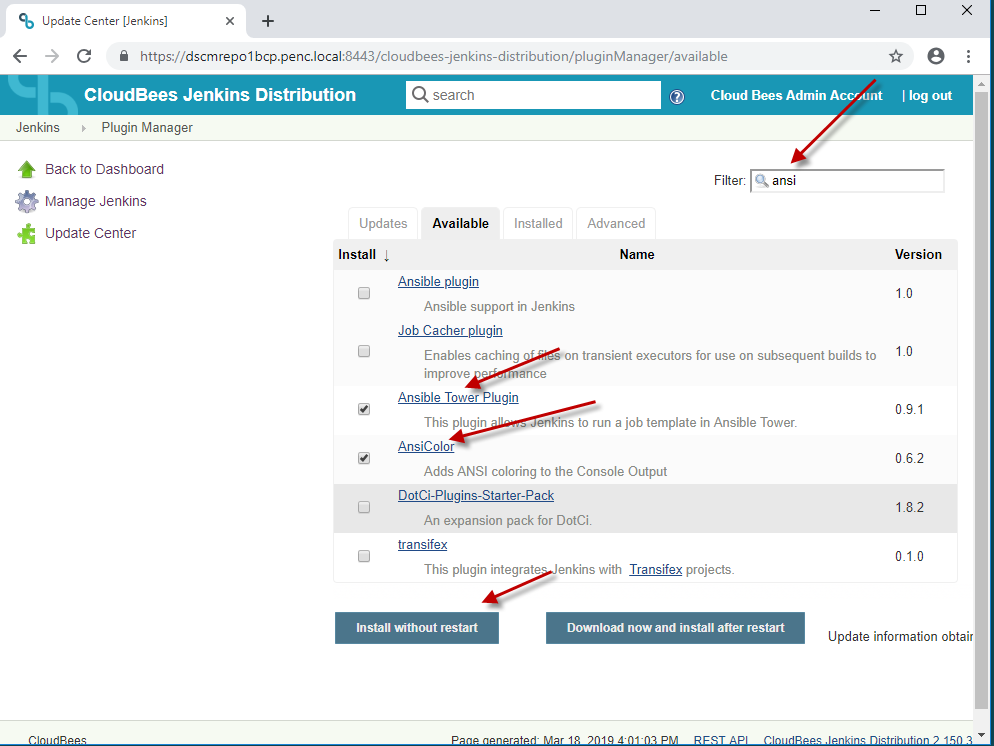


1. Install Active Directory plugin

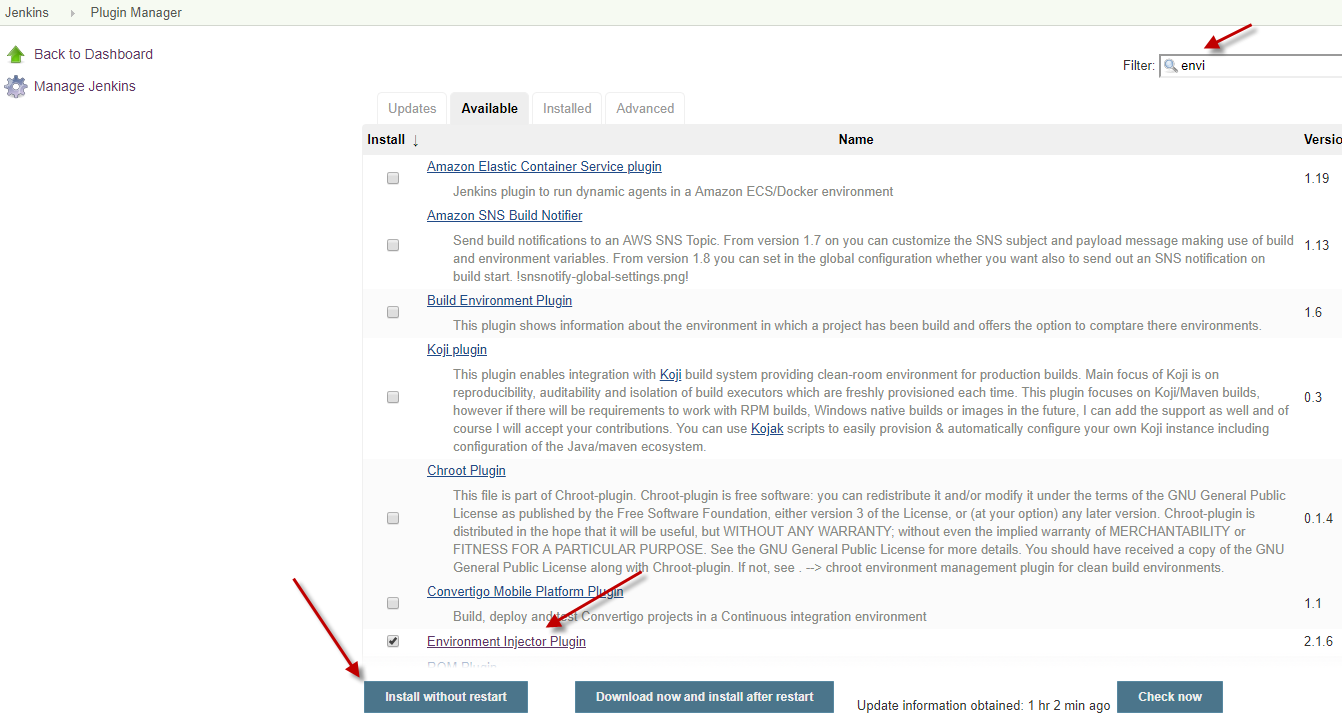




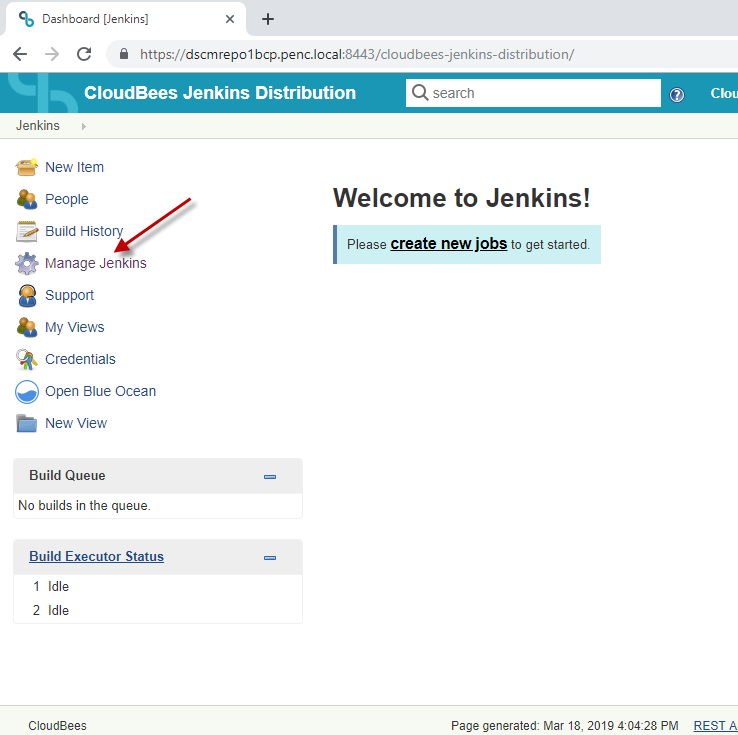
1. Install Ansible Tower and AnsiColor plugins

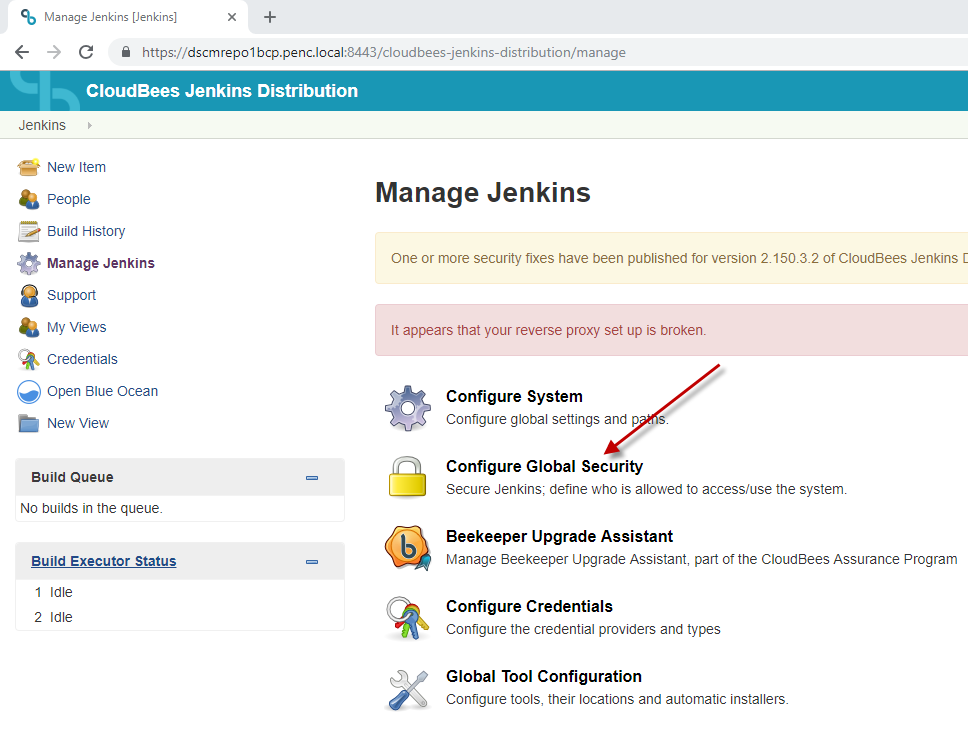


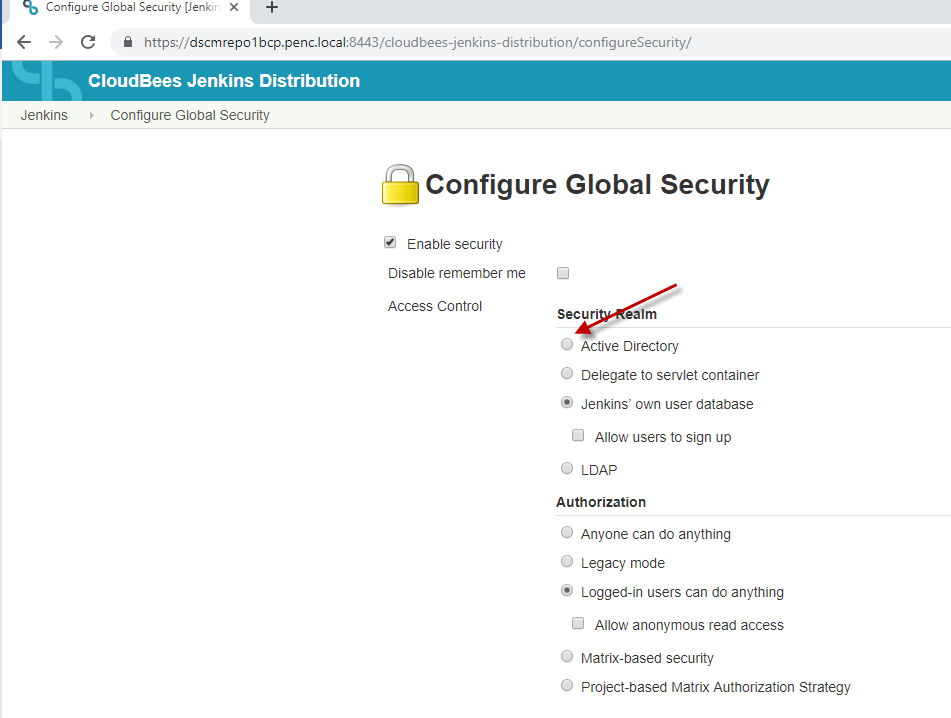
1. Install EnvInjector Plugin

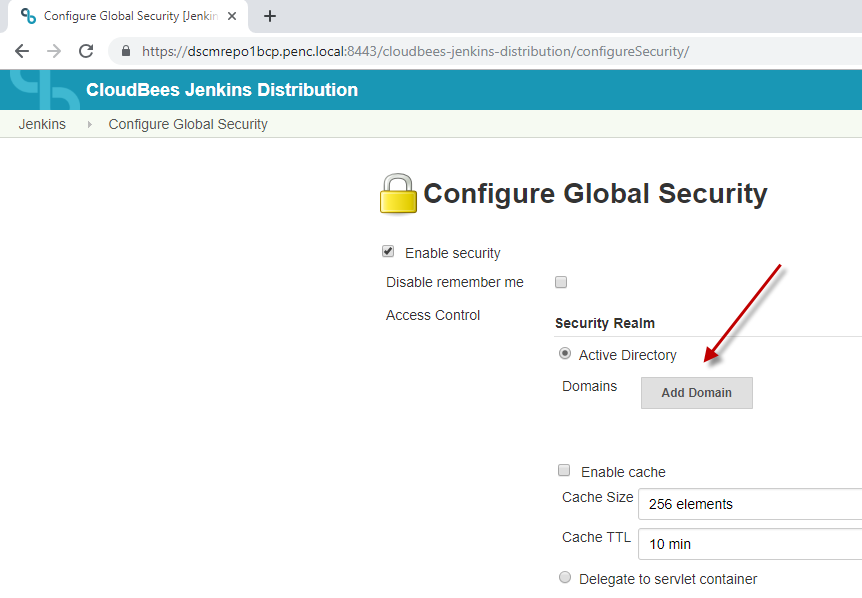


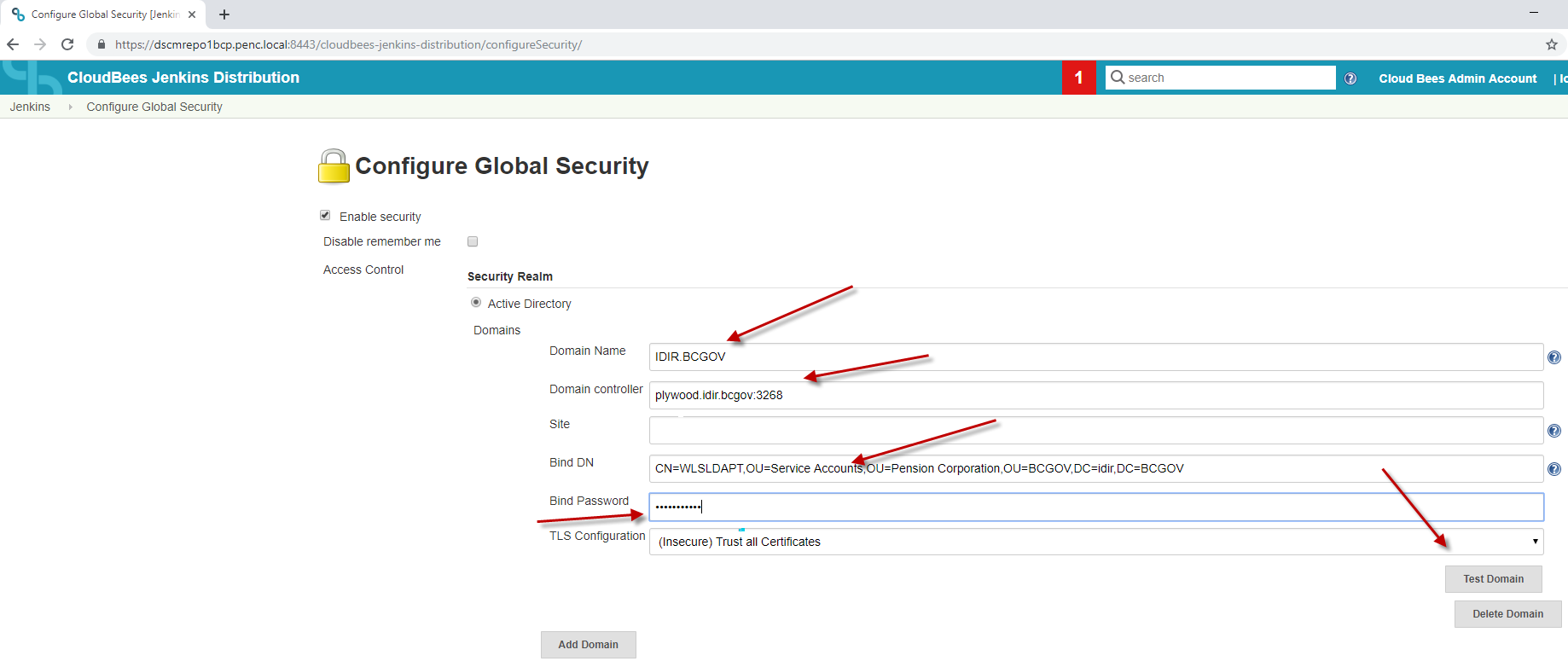
1. Configure Active Directory – etc.



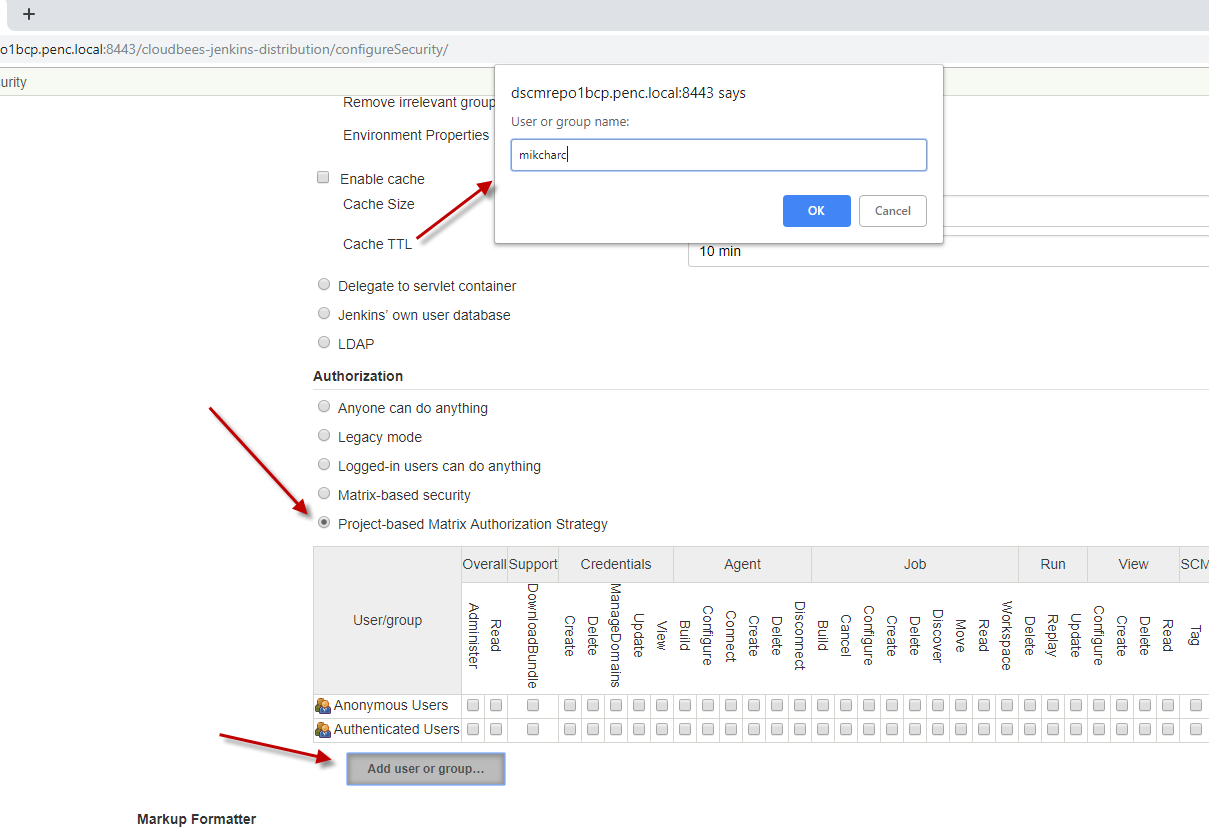




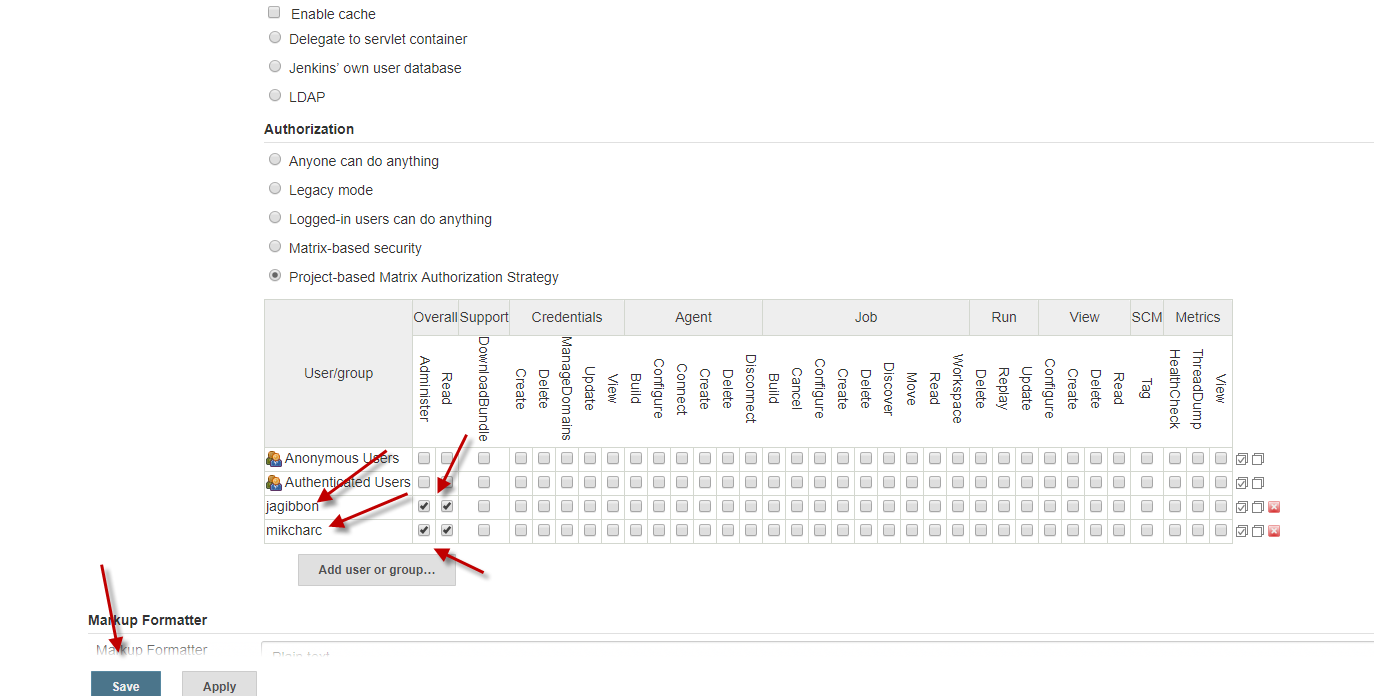


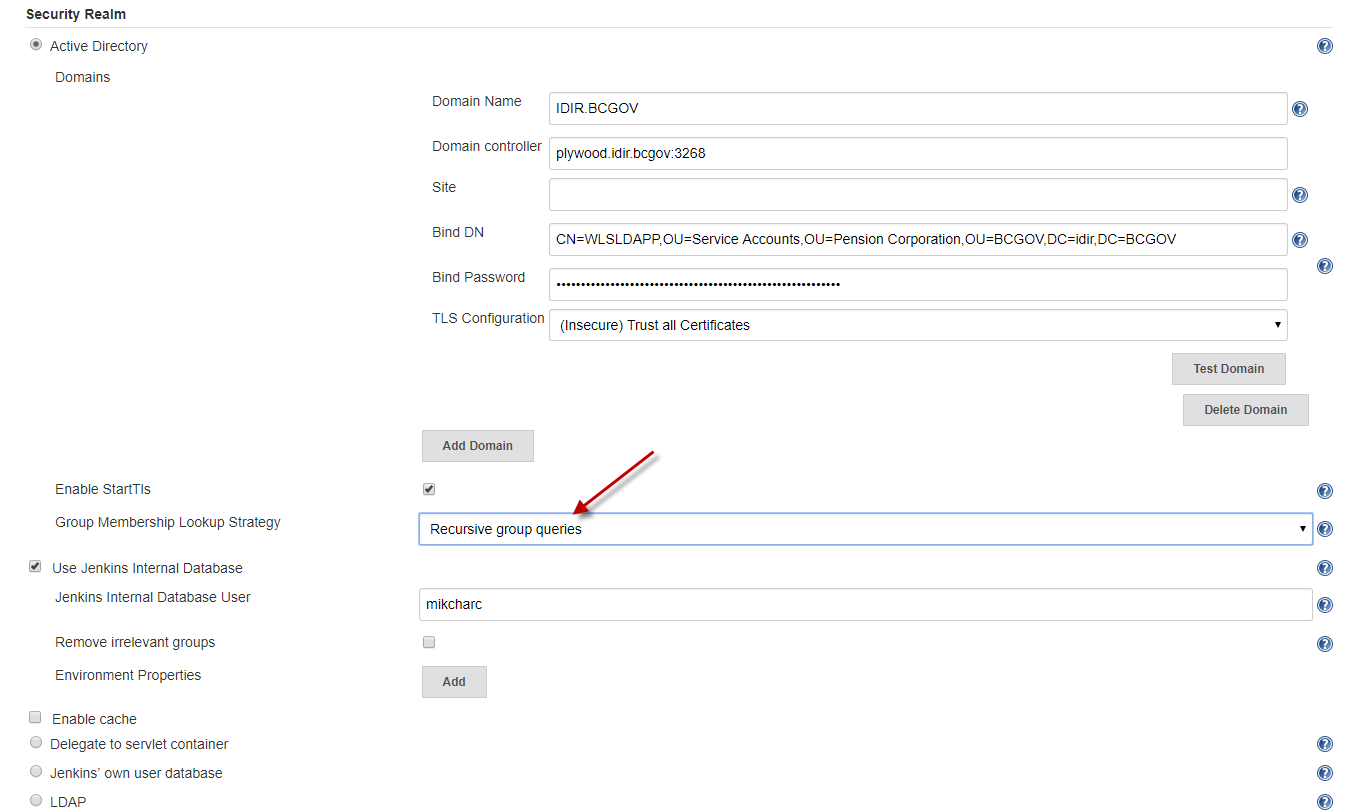


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Click Save