Talend -8.0.1 Guide

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1. PRE-REQUISITES FOR ALL SERVERS

Execute steps below to setup java on all servers for PROD

1.1. JDK

```
sudo su -
cd /usr/lib
mkdir jvm
chmod -R 777 jvm
cp /home/<username>/TalendInstallFiles/jdk-8u261-linux-x64.tar.gz /usr/lib/jvm
```

cd /usr/lib/jvm
chmod -R 777 .

cd /etc/profile.d

export JAVA_HOME=/usr/lib/jvm/jdk1.8.0_261
export JRE_HOME=//usr/lib/jvm/jdk1.8.0_261/jre
export PATH=$JAVA_HOME/bin:$JRE_HOME/bin:$PATH

Hit esc then :wq!

Restart session and Login

sudo su -
Java -version

```
root@SG-AZR-DUCEPAT06:~# java -version
java version "1.8.0_261"
Java(TM) SE Runtime Environment (build 1.8.0_261-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.261-b12, mixed mode)
root@SG-AZR-DUCEPAT06:~# java -version
java version "1.8.0_261"
Java(TM) SE Runtime Environment (build 1.8.0_261-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.261-b12, mixed mode)
root@SG-AZR-DUCEPAT06:~# sudo su -
```

1.2. Talend Install files

Request Estee team to deploy Talend Install files (.zio, dist and license) under /home/<user> path for each server

Execute commands below

cd /home/<username>
sudo su -

cd /home/<username>
chmod -R 777 .
unzip Talend-Installer-Starter-*****installer.zip
chmod -R 777 .

cd /opt
mkdir Talend-8.0.1
chmod -R 777 .

Apply IPV4 settings from Jared

sudo su -

cd /etc/sysctl.d

vi 90-keepalive.conf

<add below lines>

net.ipv4.tcp_keepalive_intvl = 60

net.ipv4.tcp_keepalive_probes = 30

net.ipv4.tcp_keepalive_time = 180

SAVE

run

sysctl -f 90-keepalive.conf

This above is the change that fixed hanging jobs

It changes from these values

net.ipv4.tcp_keepalive_intvl = 75

net.ipv4.tcp_keepalive_probes = 9

net.ipv4.tcp_keepalive_time = 7200

to these:

net.ipv4.tcp_keepalive_intvl = 60

net.ipv4.tcp_keepalive_probes = 30

net.ipv4.tcp_keepalive_time = 180

To REVERT, simply change the values in the file and run the sysctl command again.

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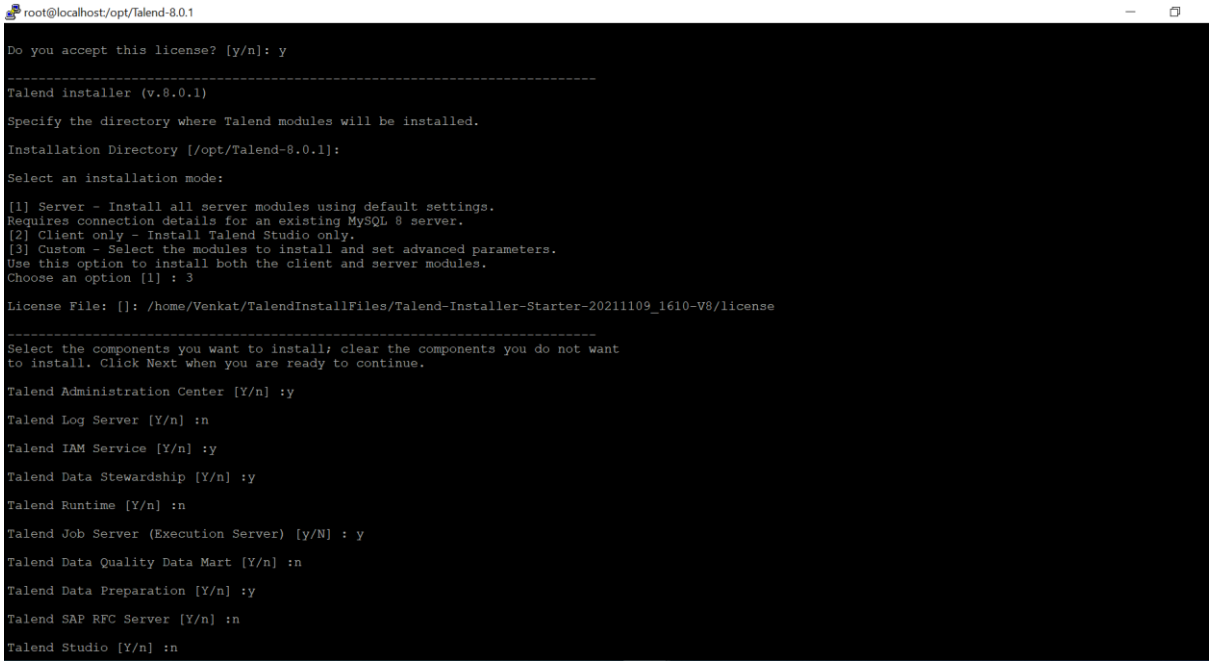
```
root@SG-AZR-DUCEPAT06:~# sudo su -
root@SG-AZR-DUCEPAT06:~# cd /etc/sysctl.d
root@SG-AZR-DUCEPAT06:/etc/sysctl.d# vi 90-keepalive.conf
root@SG-AZR-DUCEPAT06:/etc/sysctl.d# sysctl -f 90-keepalive.conf
net.ipv4.tcp_keepalive_intvl = 60
net.ipv4.tcp_keepalive_probes = 30
net.ipv4.tcp_keepalive_time = 180
root@SG-AZR-DUCEPAT06:/etc/sysctl.d#
```

TAC Setup

2.1. TAC Install



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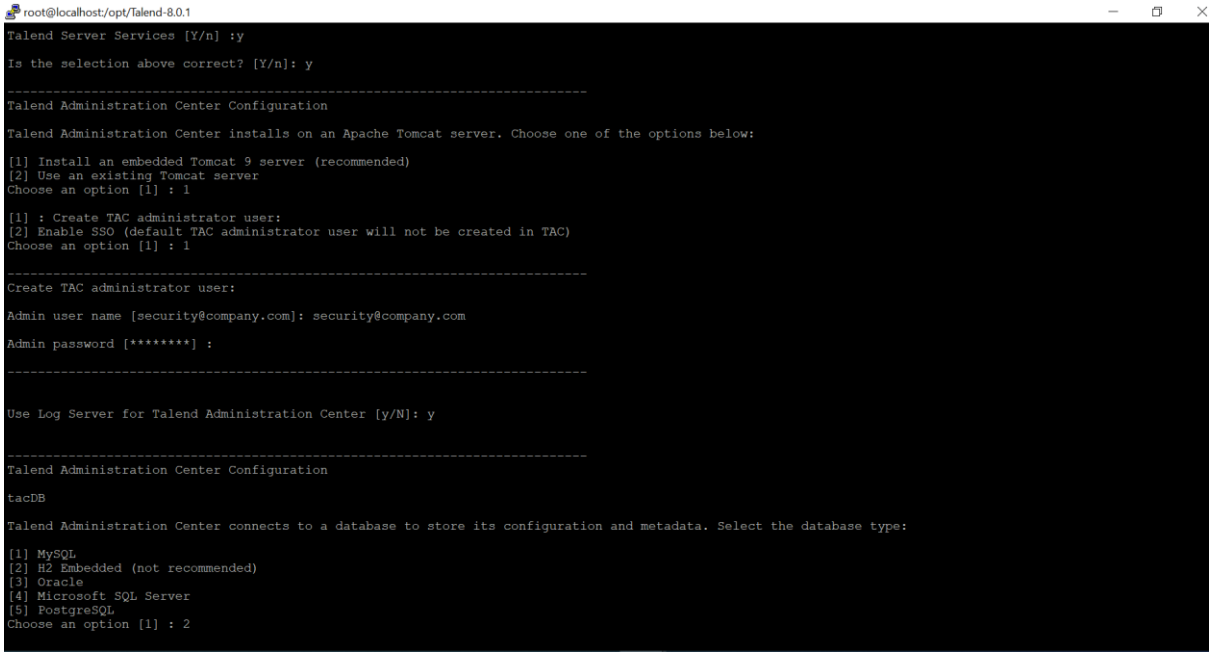

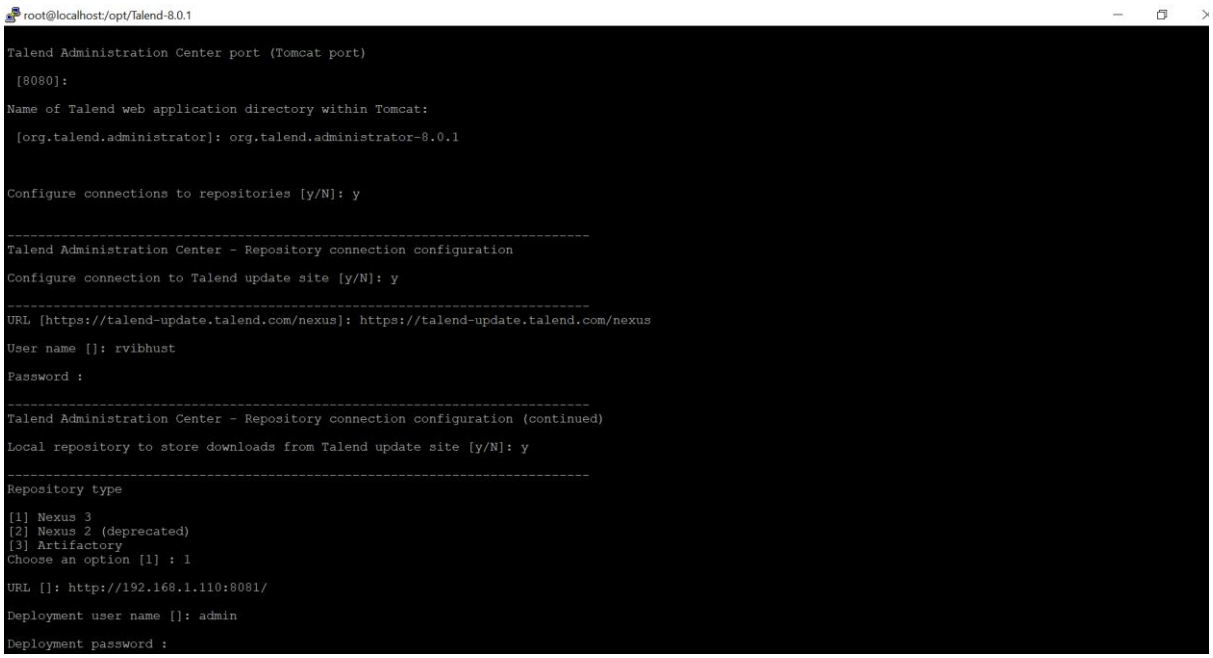

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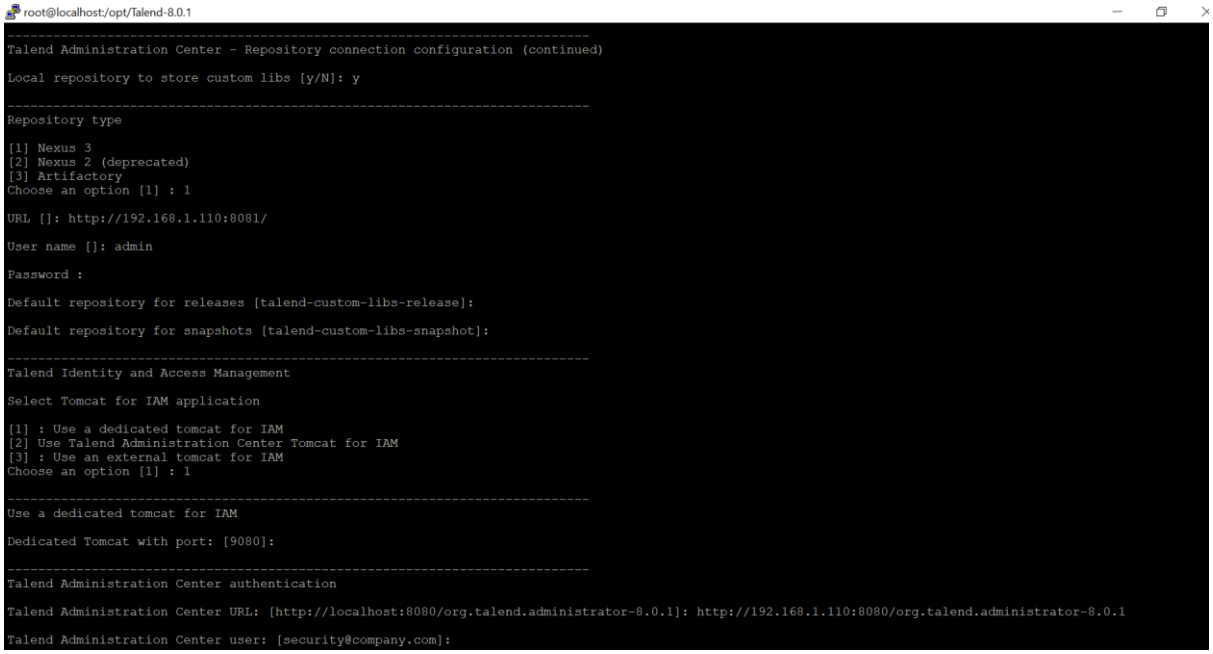

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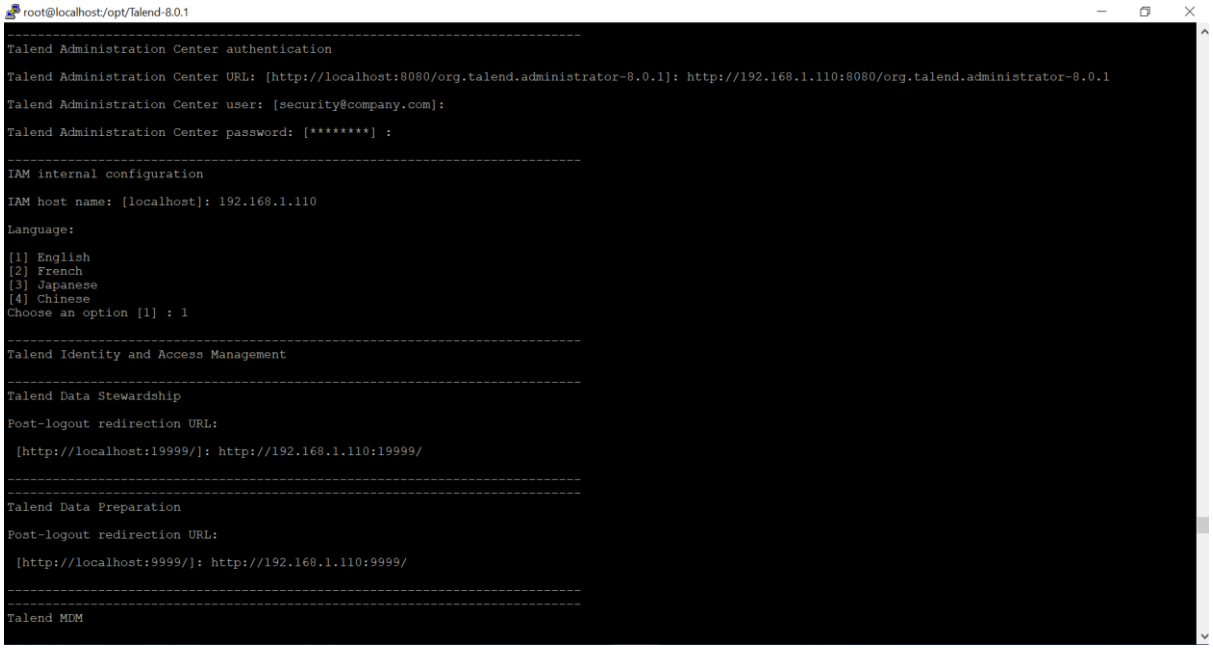

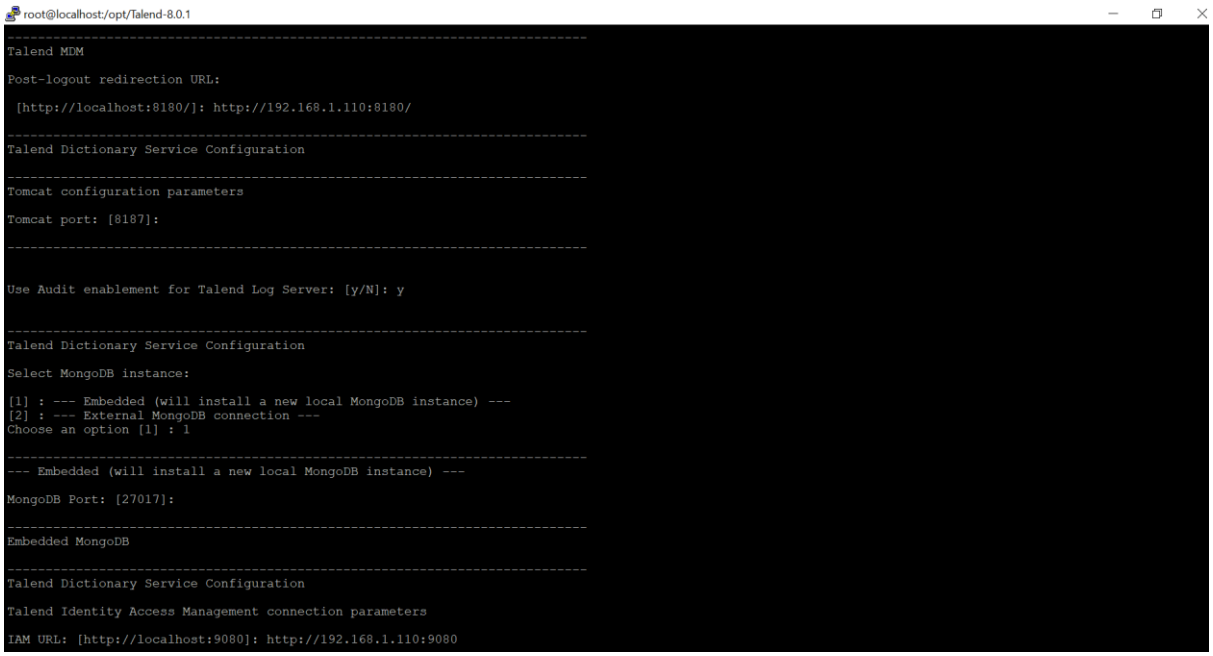

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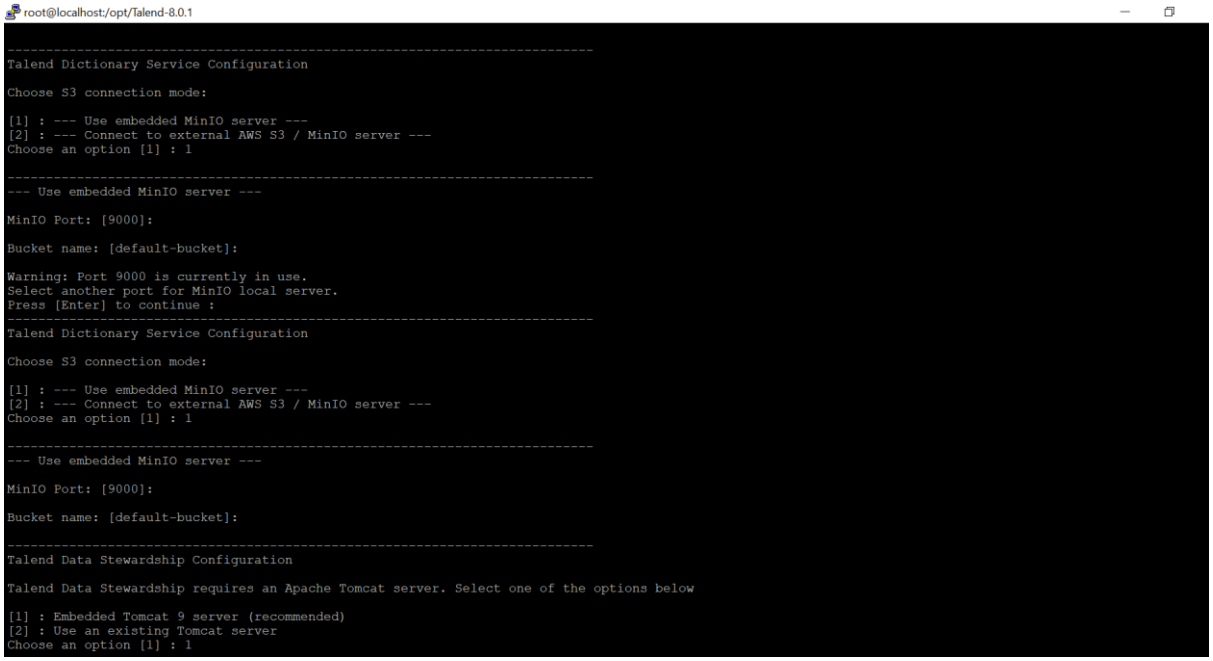

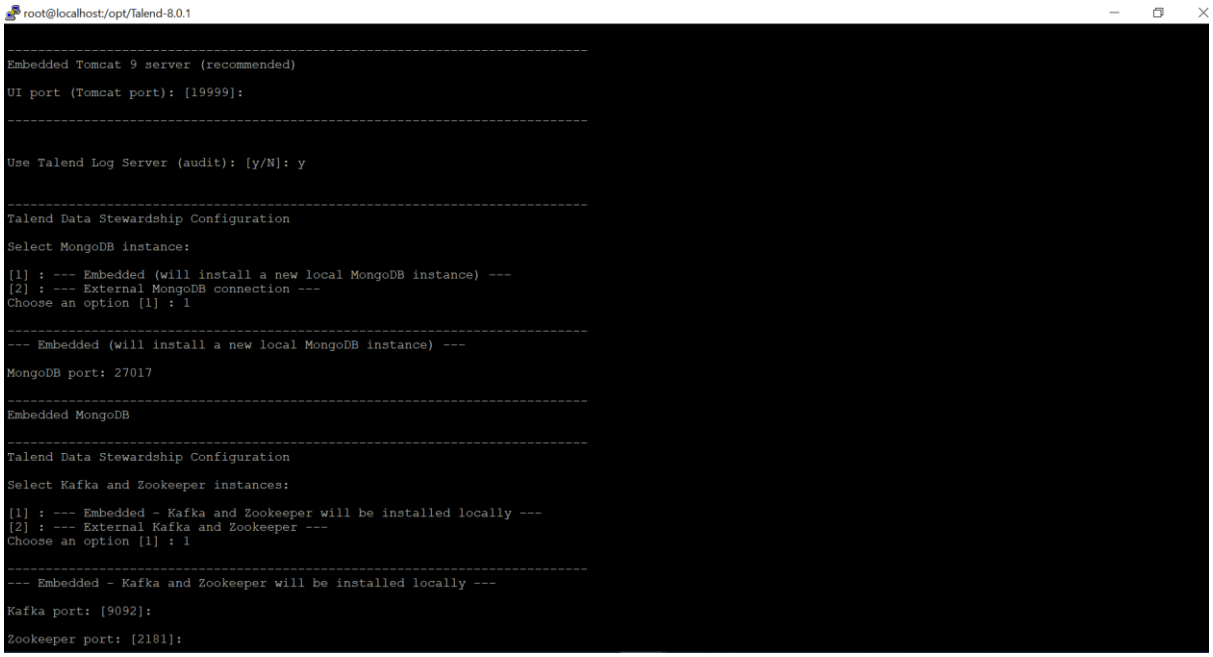

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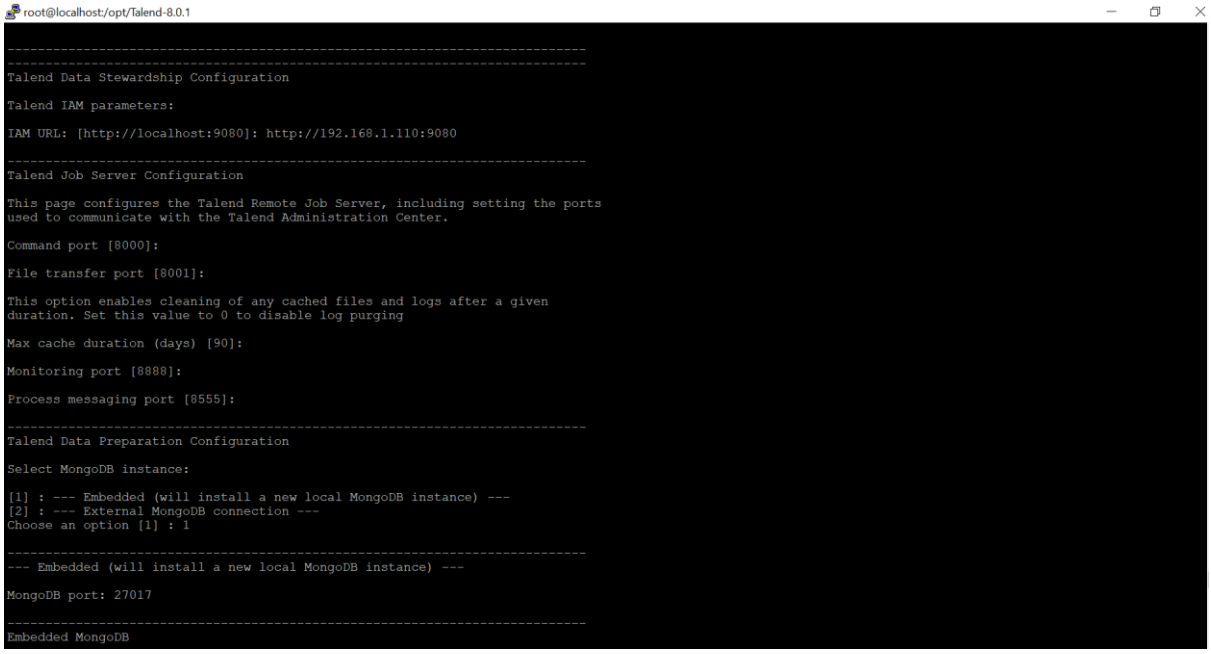

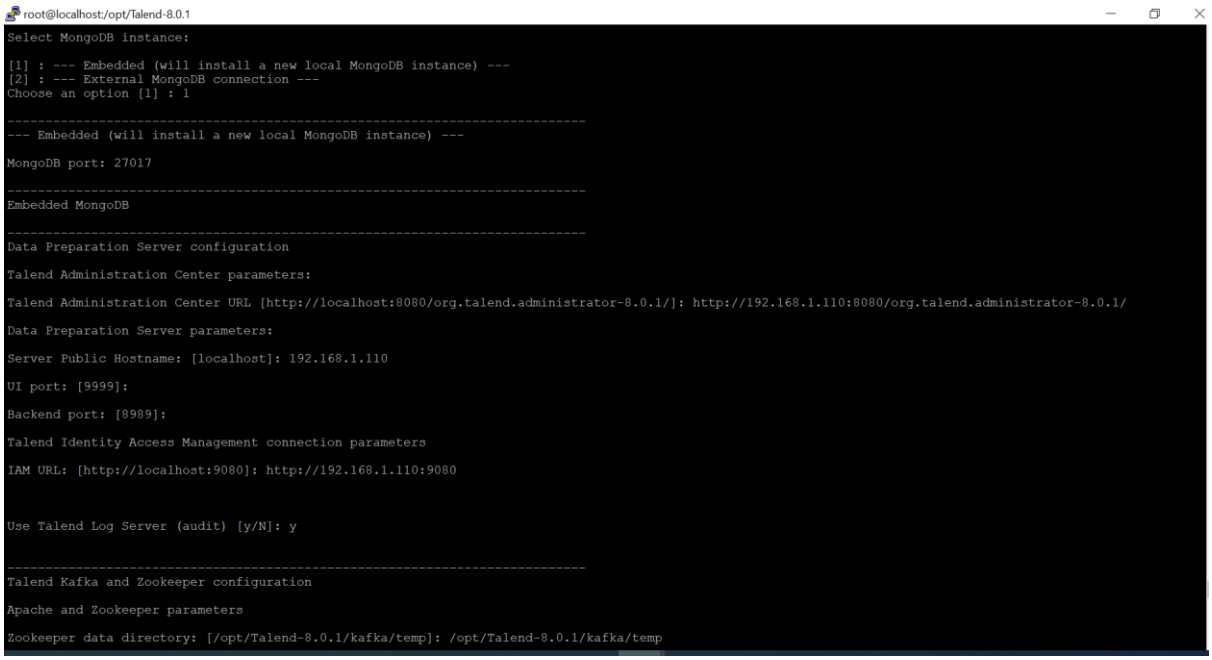

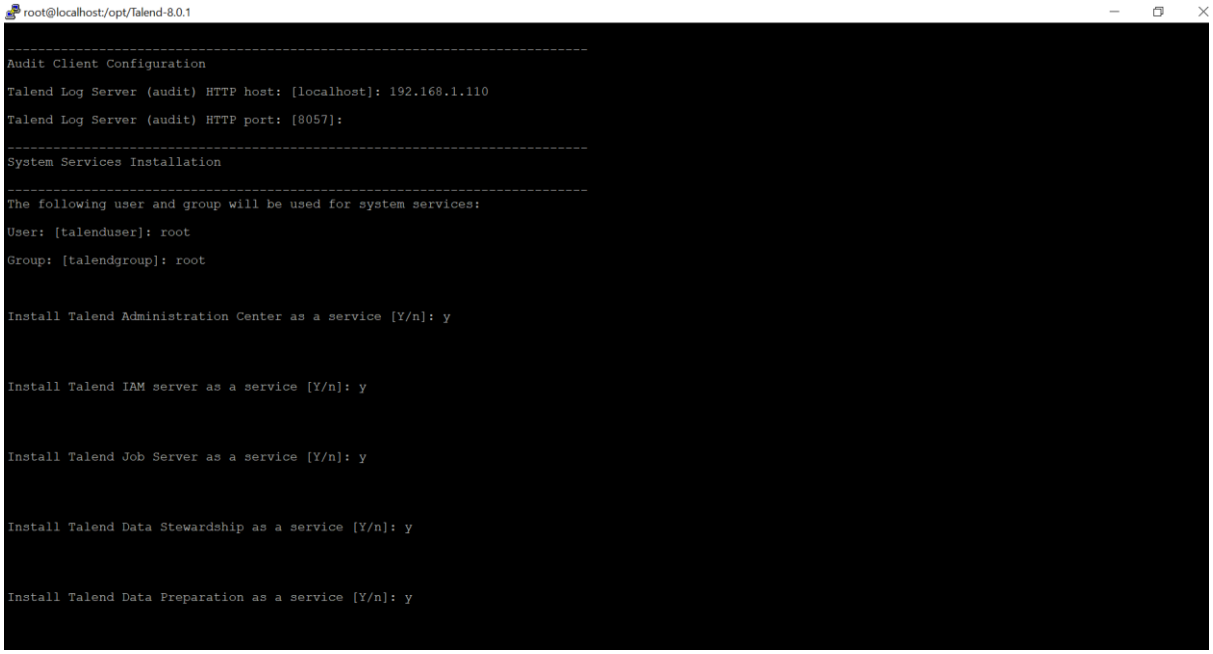

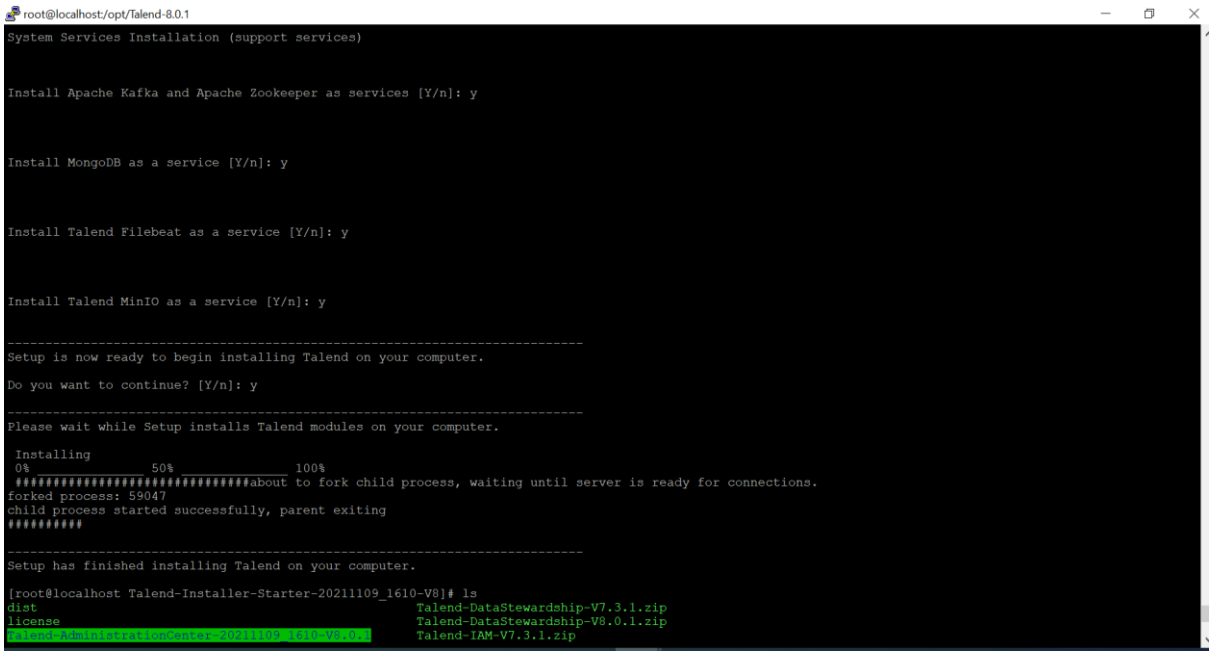

2. JOB SERVER SETUP

cd /home/<username>/TalendInstallFiles/Talend_Install****_Zip

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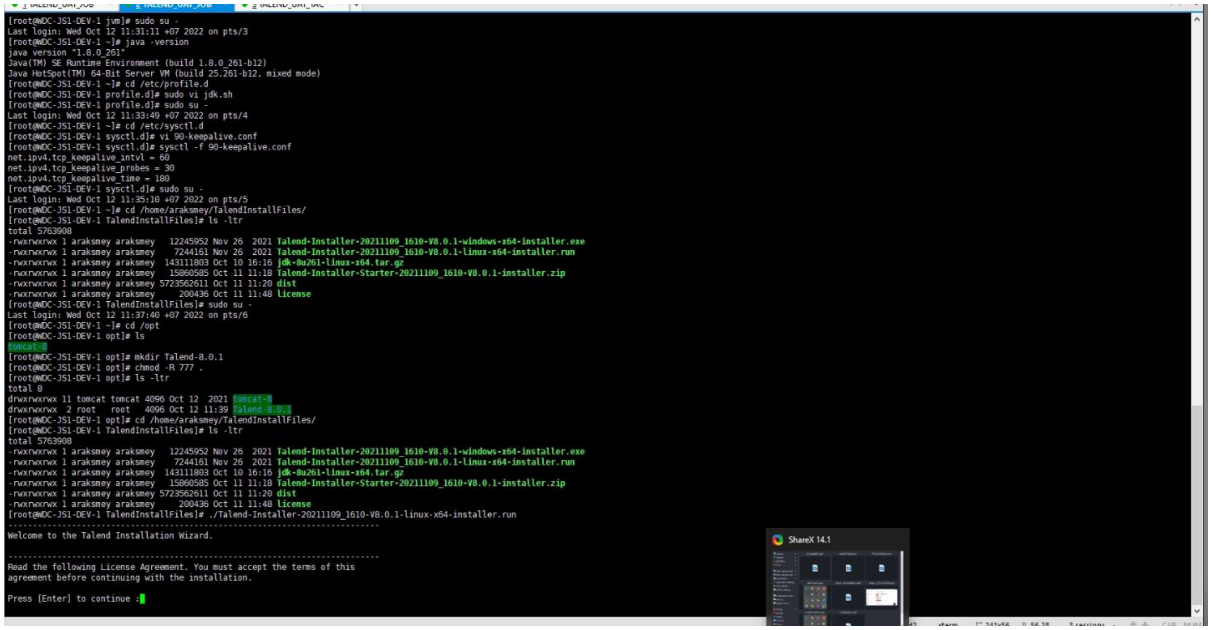

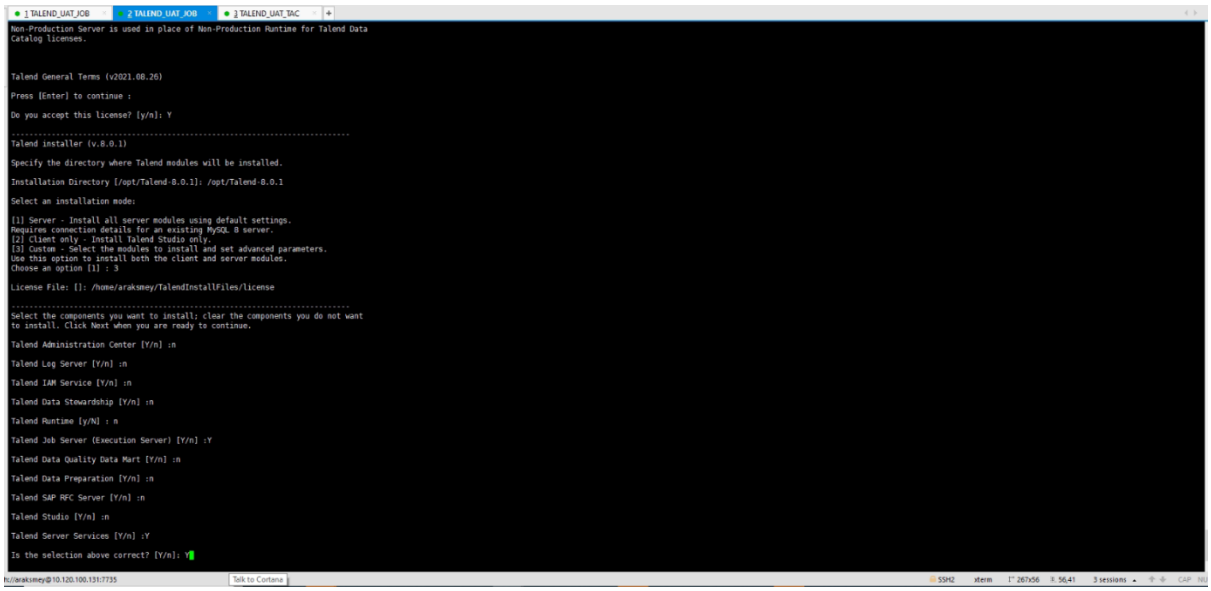

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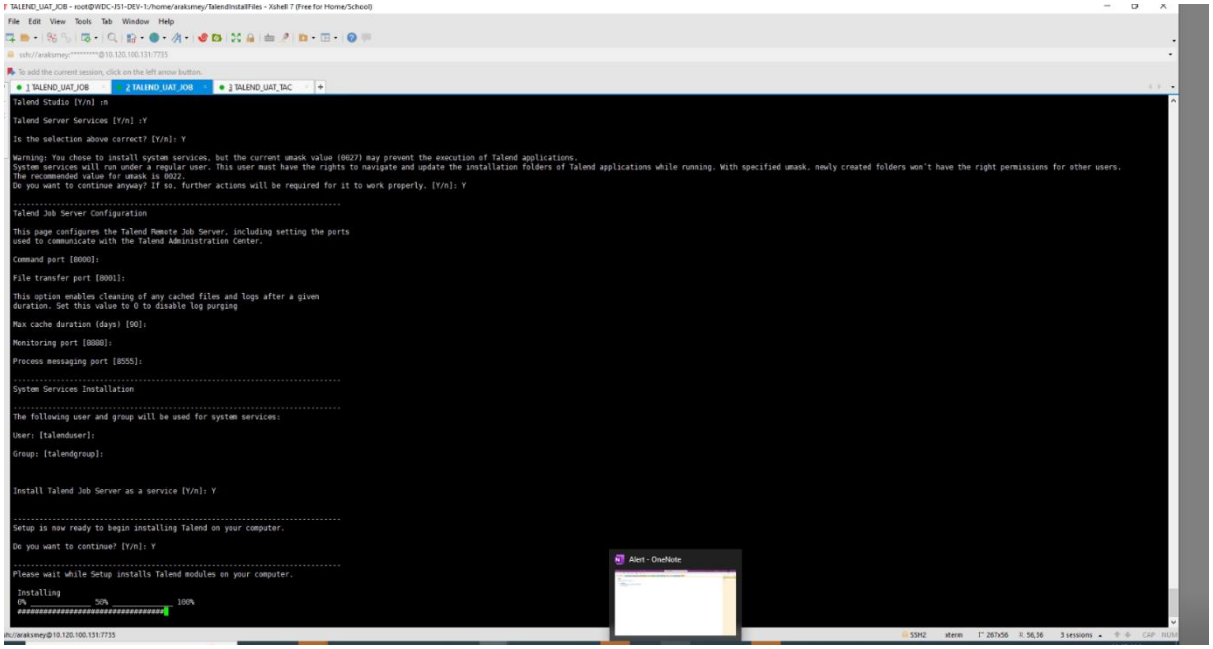

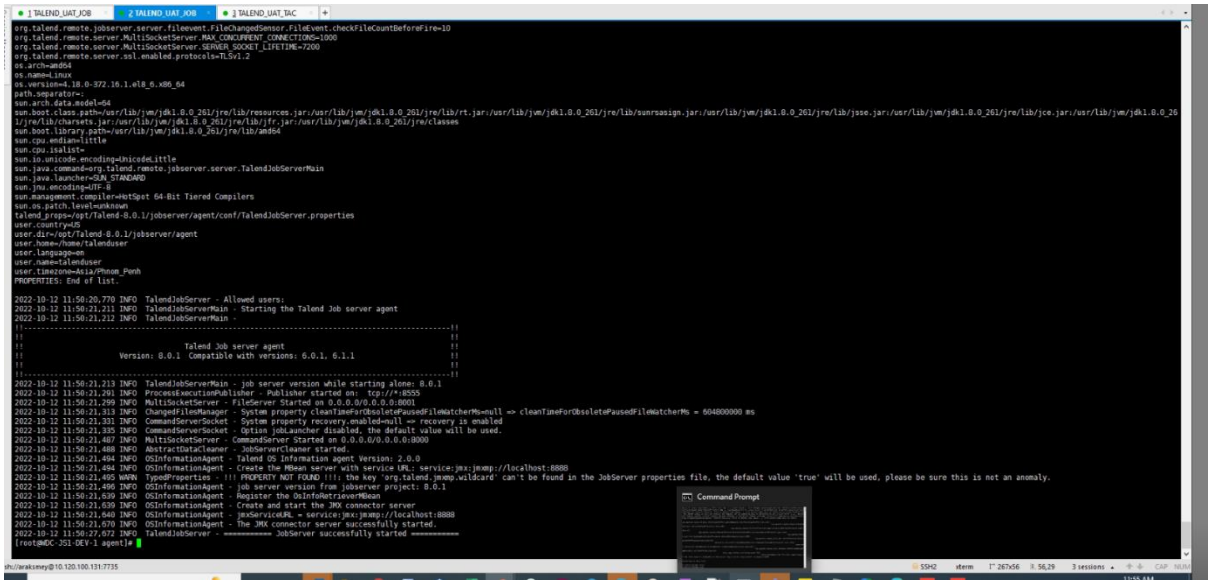

3.TAC UI and Properties Configuration

3.1. DATABASE CONFIGURATION

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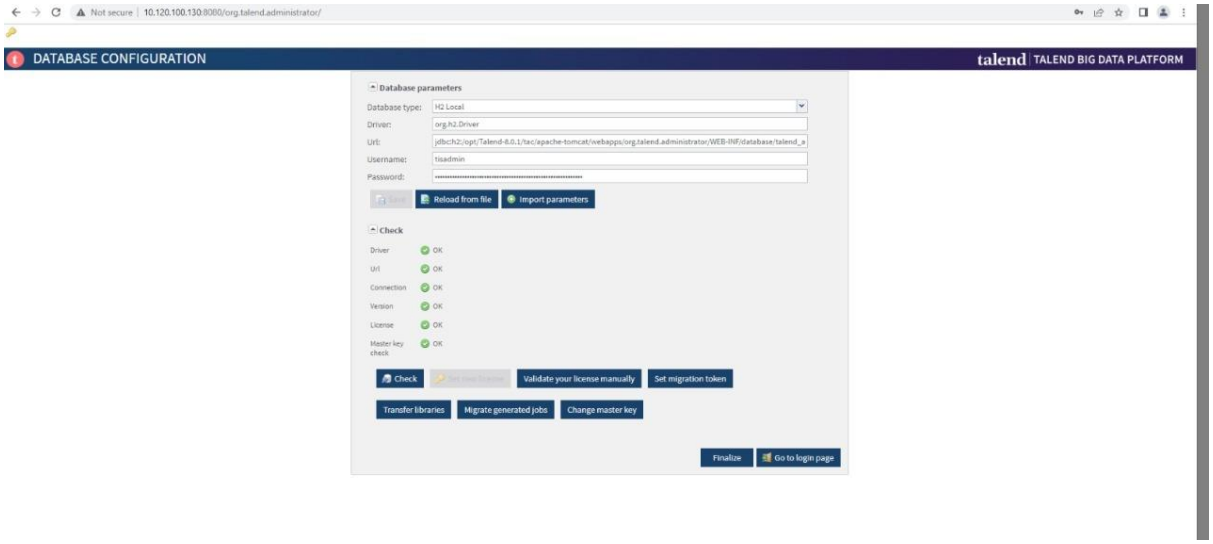

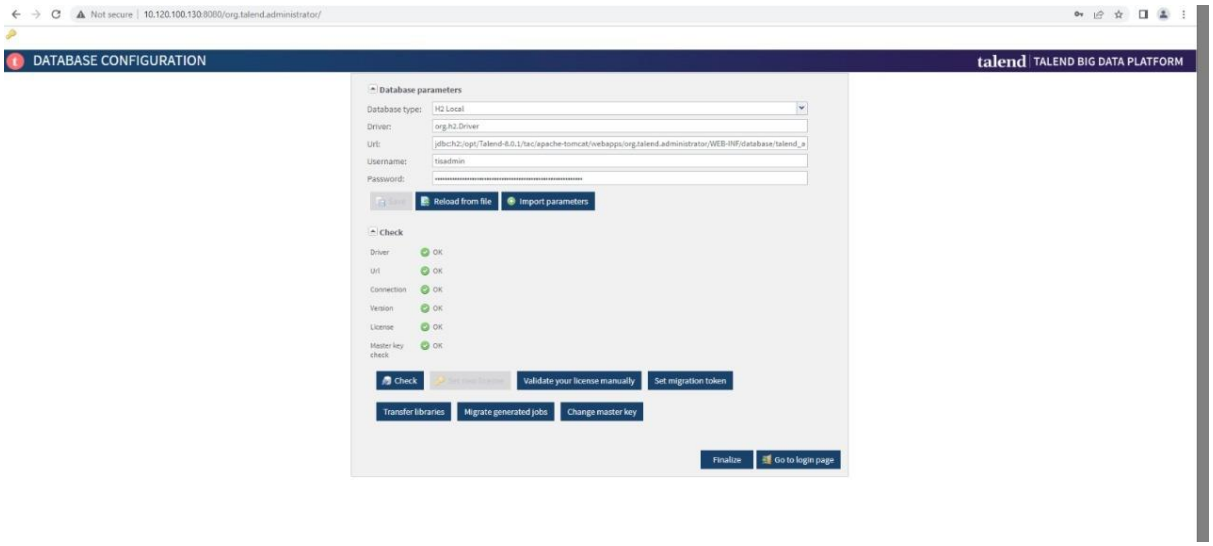

In this license you can click on the set **new license** tab and select the license

After that need to select the **valid your license manually** tab

And paste again in box

For master key just give as **admin**

Created role in tac

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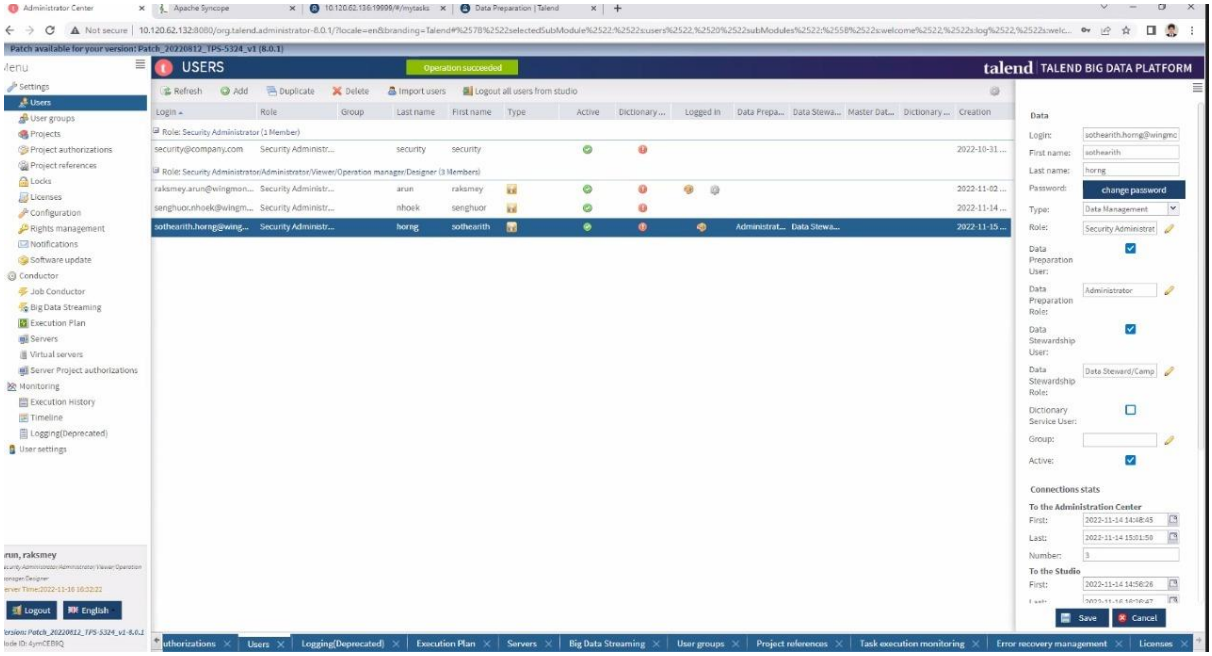

3.2. TAC memory setting

cd /opt/Talend-8.0.1/tac/apache-tomcat/bin

vi setenv.sh

xms size 2G and xmx sixe is 12G

3.3 Create Logs Directories

Create paths in server and apply in Audit, Job Conductor and Logs section in TAC Configuration

Audit - /srv/fileshare/Talend/Audit/reports

Job Conductor - /srv/fileshare/Talend/Administrator/generatedJobs

Job Conductor - /srv/fileshare/Talend/Administrator/executionLogs

Logs - /srv/fileshare/Talend/Administrator/executionLogs/technicalLog/technical.log

Logs - /srv/fileshare/Talend/Administrator/executionLogs/businessLog/business.log

mkdir fileshare

cd fileshare

mkdir Talend

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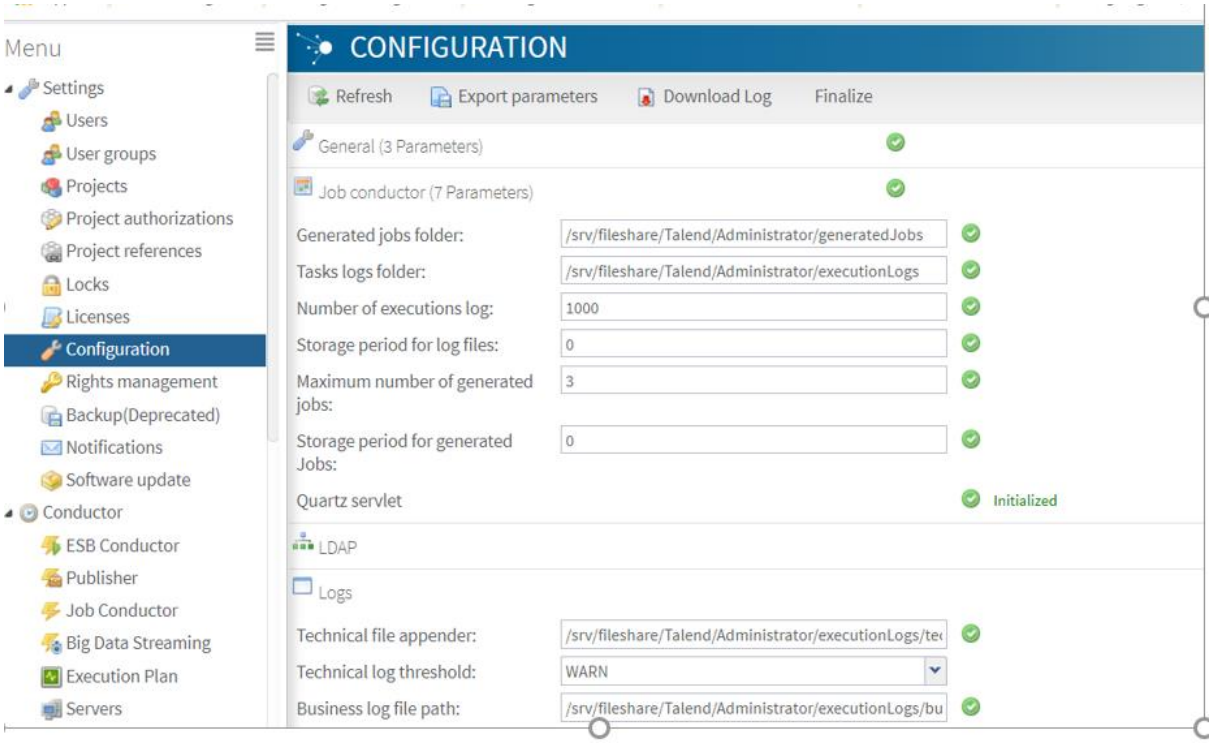

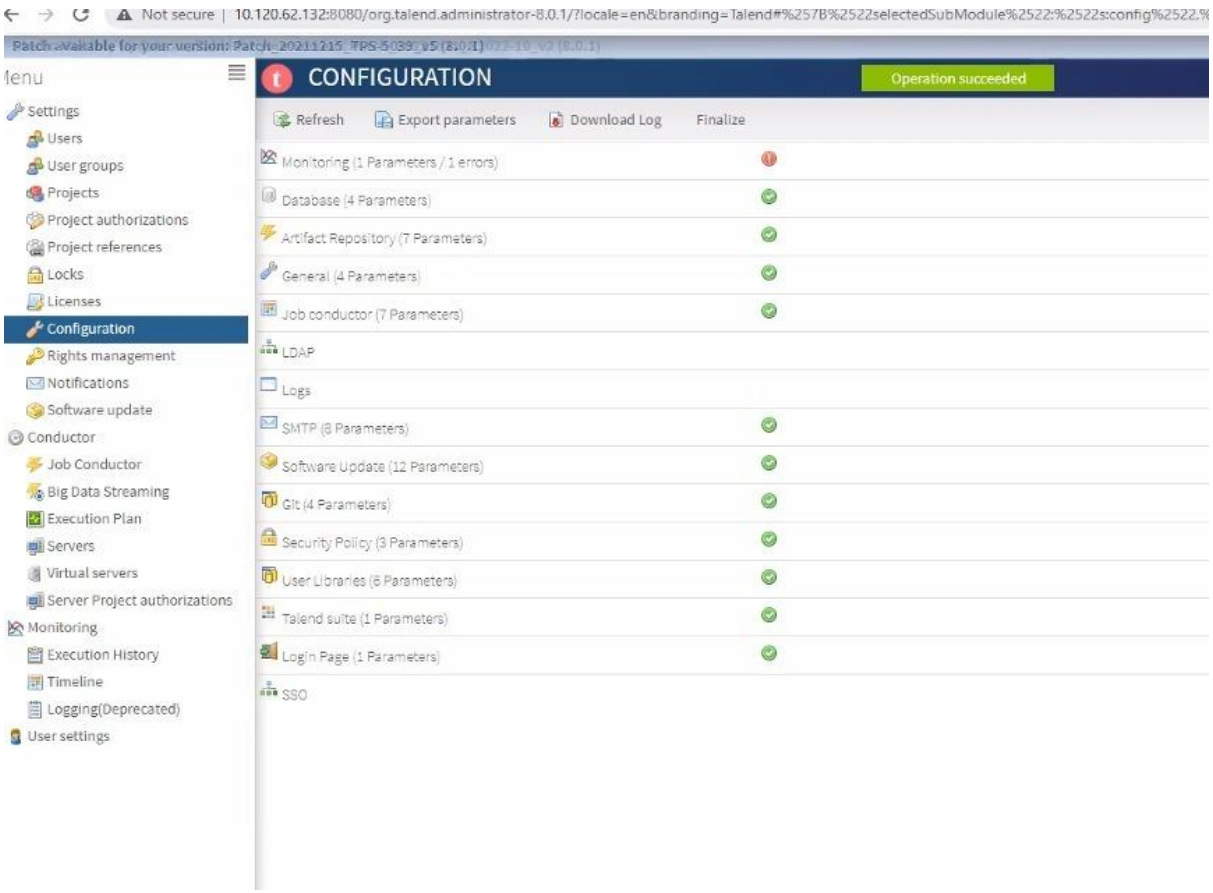

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4. URL and Talend Service Names

4.1. URL

TAC - http://10.120.100.130:8080/org.talend.administrator-8.0.1/

Nexus - http://10.120.100.130:8081

4.2. Service Names

Service path - /etc/systemd/system

talend-tac-8.0.1

talend-rjs-8.0.1

5. TAC Patch Install

Download patch Talend patch from url below from Nexus

https://talend-update.talend.com:443/nexus/service/local/repositories//Talend_Patches_For_Release_8.0.1/content/org/talend/tac/patch/full/Patch_******.zip

Talend Nexus Login

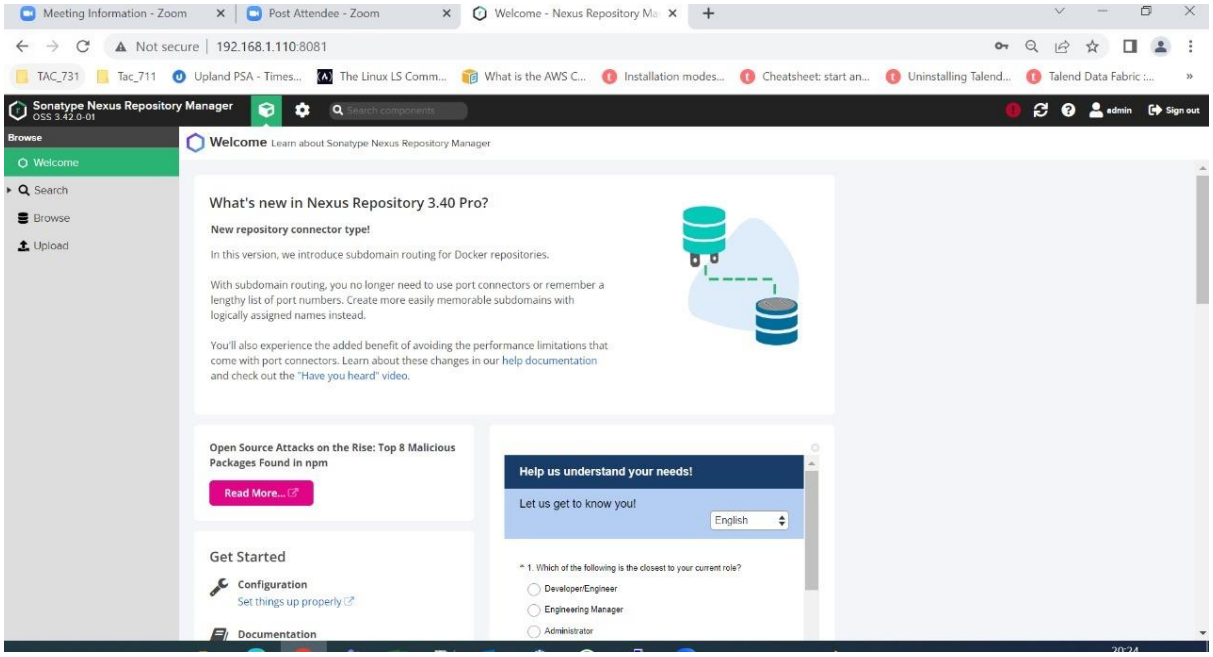
Username: *****
Password: *****

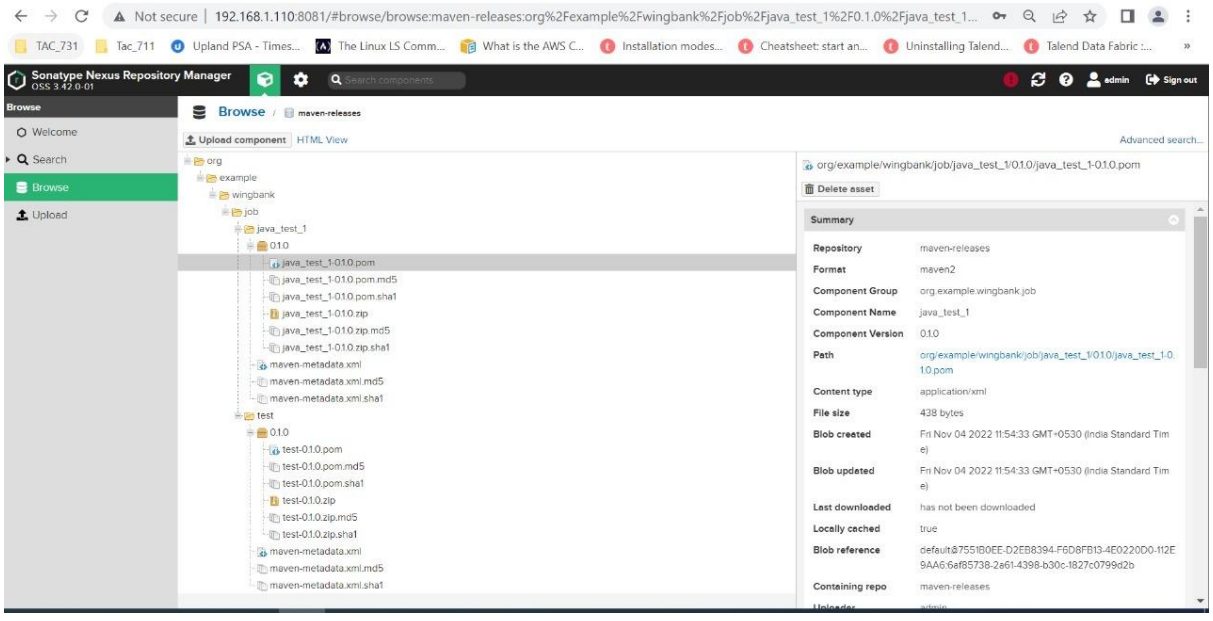
Copy the patch zip file to /home/<user>directory on TAC server 1 and TAC server 2

5.1. TAC patch applying process

1. Copy the patch zip file to /home/<user>directory on TAC server 1
2. Stop the TAC.
3. Create a patch directory (eg: <Talend>/TAC_Patch).
4. Unzip patch file, then unzip the org.talend.administrator.war file as org.talend.administrator folder. Please rename org.talend.administrator-8.0.1 folder
5. Create a backup directory (eg: <Talend>/TAC_Backup).
6. Copy folder <Tomcat>/webapps/org.talend.administrator-8.0.1 into the backup directory.
7. In <Tomcat>/webapps/ directory, remove the previous org.talend.administrator-8.0.1 folder, then copy the org.talend.administrator-8.0.1 folder from step6 and paste in the current directory.
8. Restore TAC configuration by replacing <Tomcat>/webapps/org.talend.administrator-8.0.1/WEB-INF/classes/configuration.properties and quartz.properties with ones from your backup directory.
9. Login to TAC and verify job execution for one test job

6. Nexus





6.1Deploying the job in job conductor through Nexus

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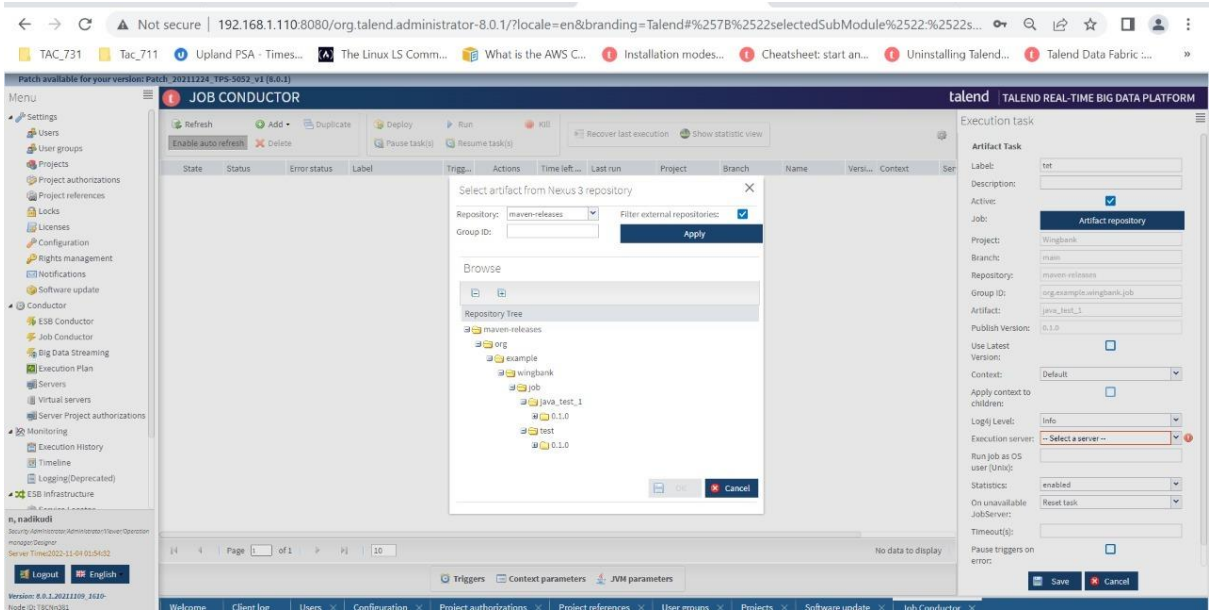
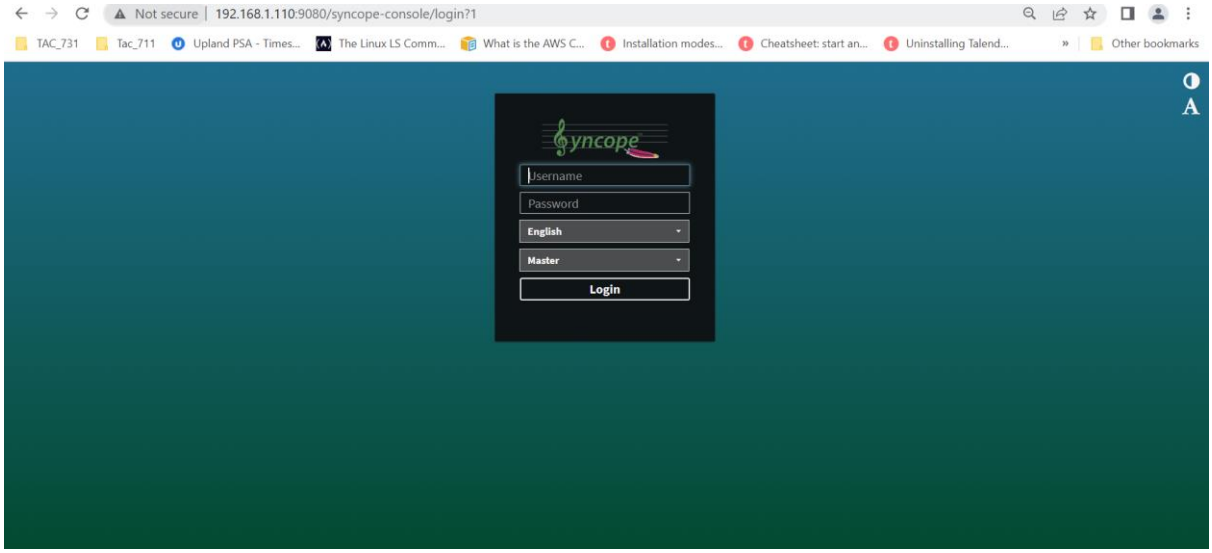


7 .IAM



Username as admin

Password is password

7.1. Creating users in IAM

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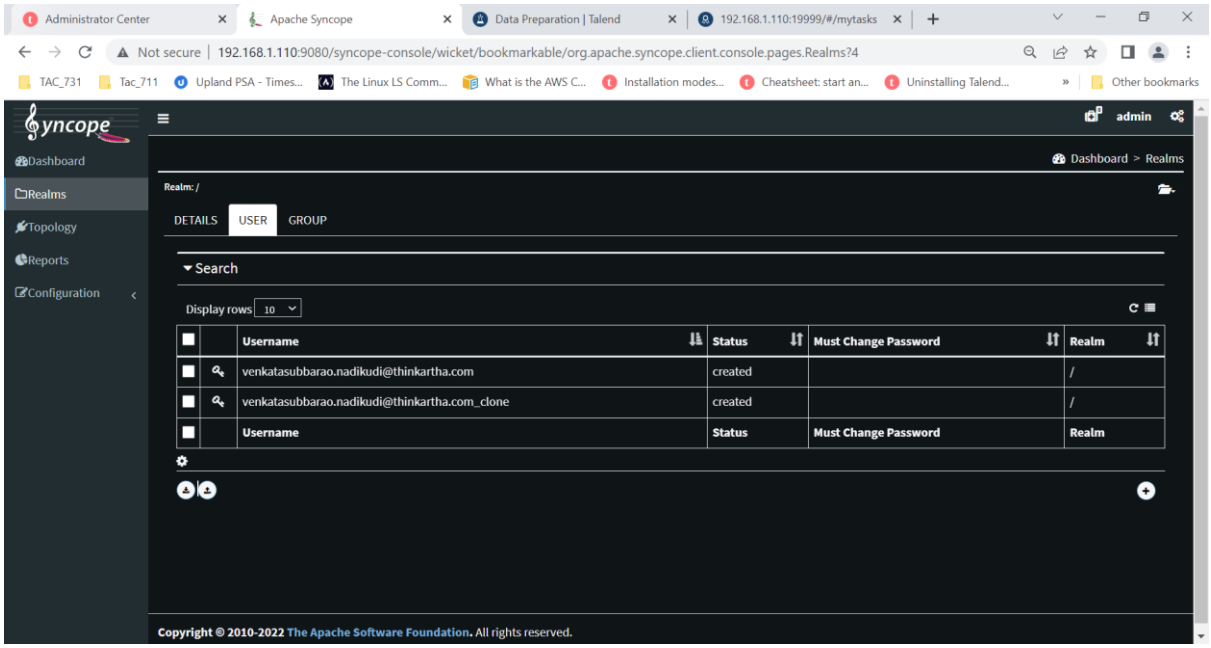

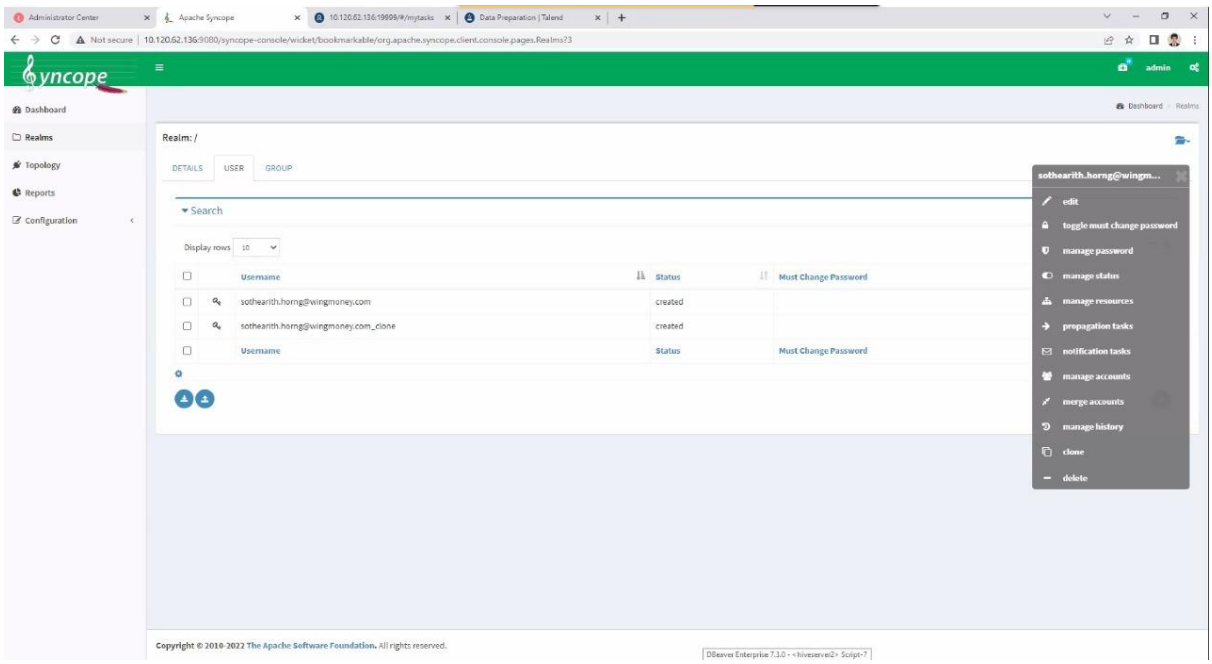

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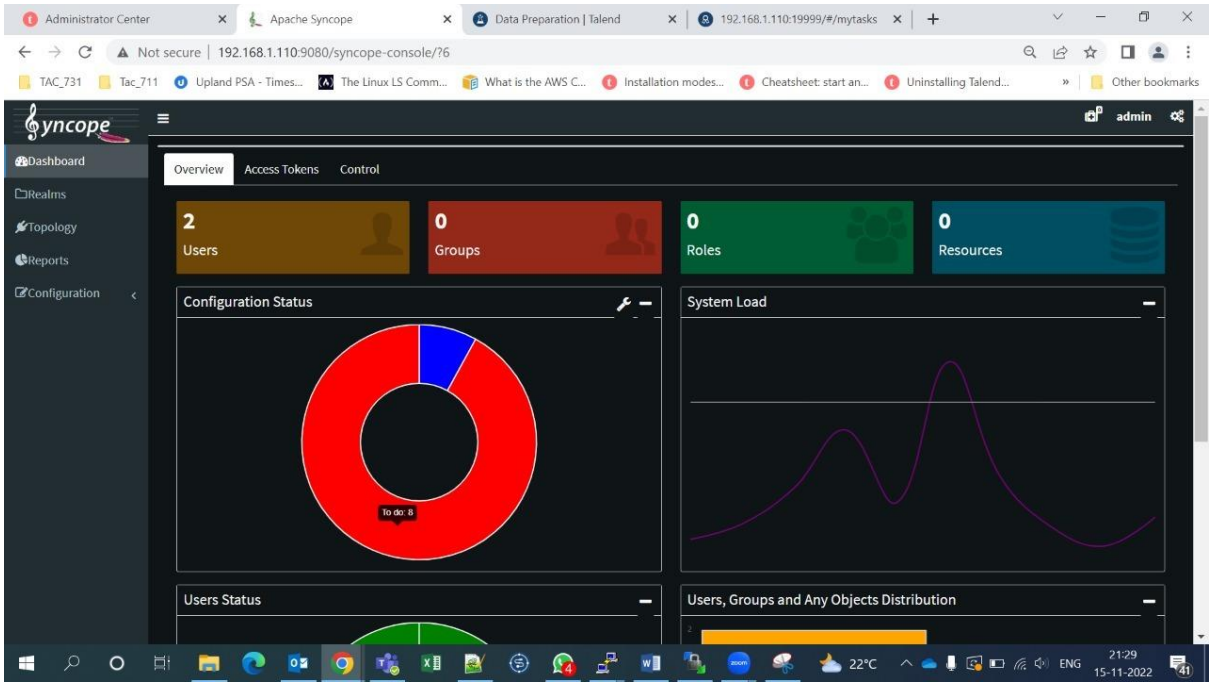
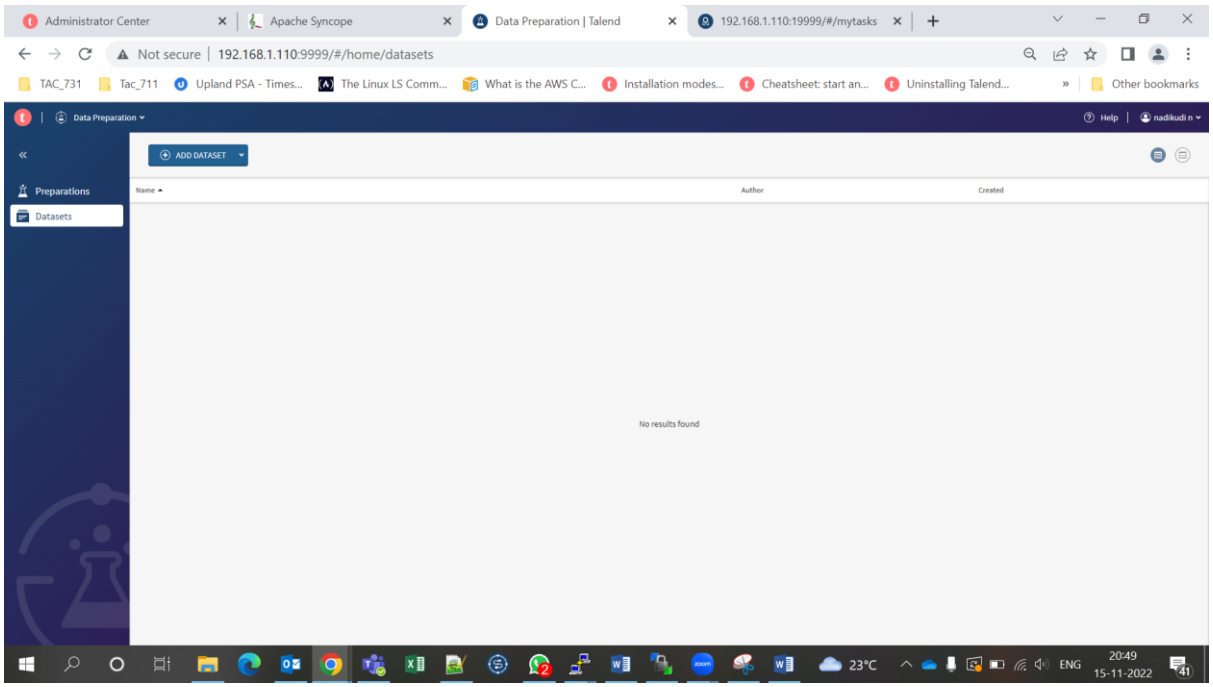
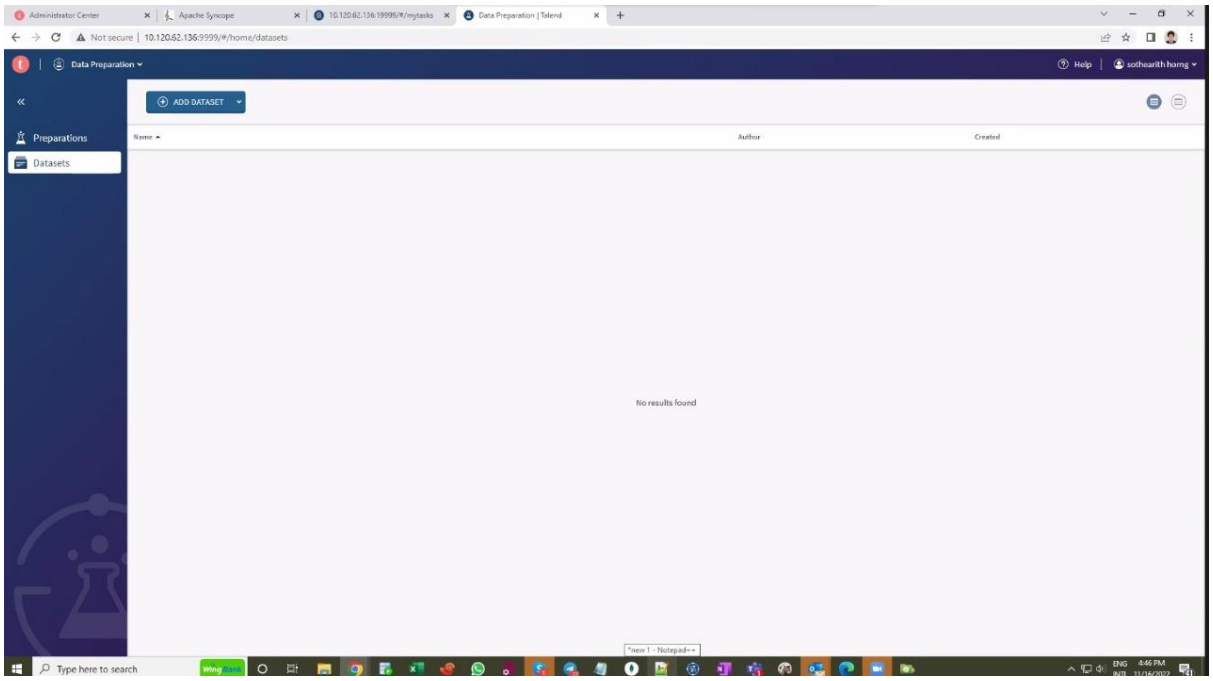
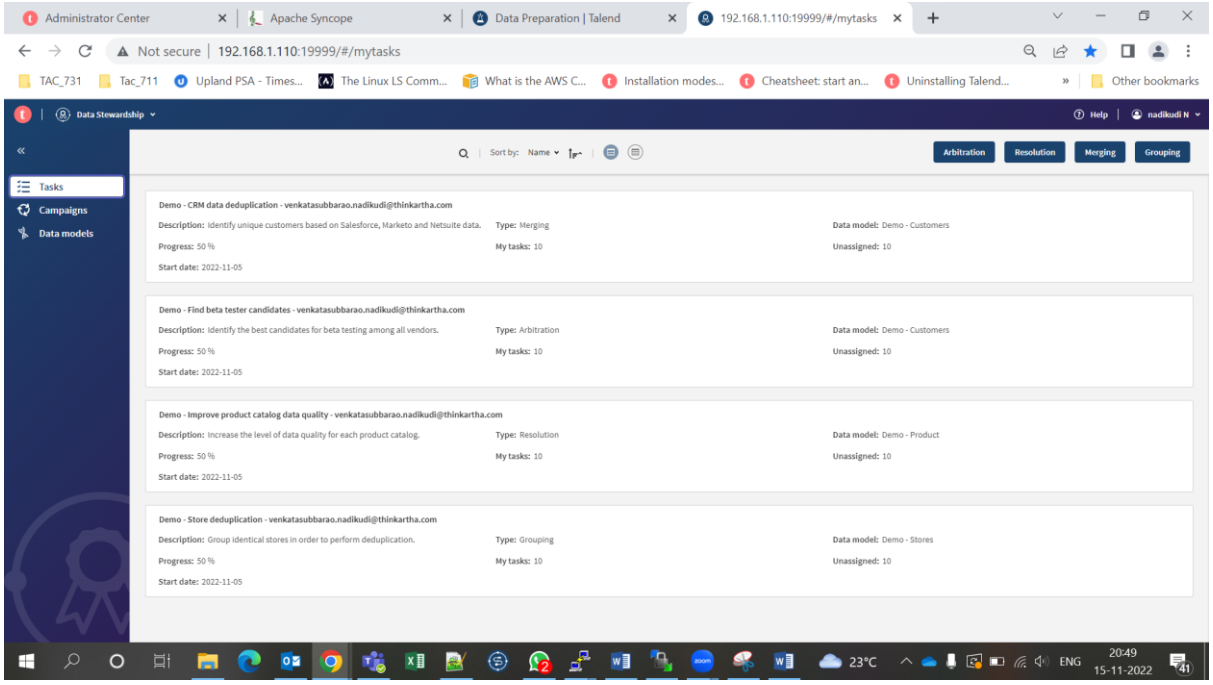
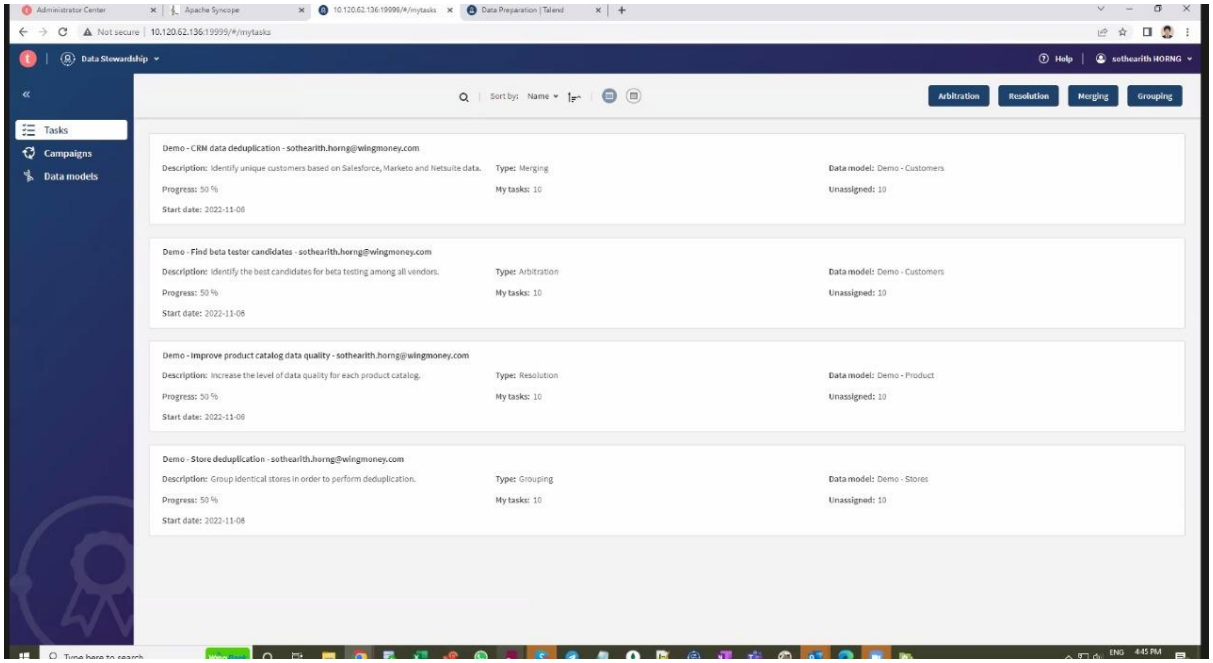


8. Data Preparation



9. Data Stewardship

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