Rundeck configuration

Basic Requirement:-

1. Ansible
2. Java 8

**Step -1**: Setup Ansible

**Step -2:** install java 8 by the following commands

$ sudo apt install openjdk-8-jdk

$ java -version

**Step-3:** Configure Rundeck by the following commands

sudo apt update

sudo apt upgrade -y

After update, set server hostname.

sudo hostnamectl set-hostname [rundeck.example.com](http://rundeck.example.com/)

Add the hostname and IP address to /etc/hosts

echo "192.168.17.50 [rundeck.example.com](http://rundeck.example.com/)" | tee -a /etc/hosts

Check for the[latest release of Rundeck](http://rundeck.org/downloads.html) before downloading.

wget <https://dl.bintray.com/rundeck/rundeck-deb/rundeck_3.0.22.20190512-1.201905130100_all.deb>

Once downloaded, install the package using dpkg command:

$ **sudo dpkg -i rundeck\*.deb**

The main configuration file is /etc/rundeck/framework.properties. Edit the file to customize Rundeck

I have modified my Rundeck server connection information to be similar to below:

framework.server.name = [**rundeck.example.com**](http://rundeck.example.com/)

framework.server.hostname = [**rundeck.example.com**](http://rundeck.example.com/)

framework.server.port = 4440

framework.server.url = http://**192.168.17.50**:4440

Also set correct hostname on /etc/rundeck/rundeck-config.properties

$ **sudo vim /etc/rundeck/rundeck-config.properties**

grails.serverURL=http://**192.168.17.50**:4440

Don’t forget to replace all occurrences of [rundeck.example.com](http://rundeck.example.com/) & 192.168.17.50 with your correct values for hostname and IP address.

When done with the changes, start rundeckd and set it to start on boot:

sudo systemctl start rundeckd

sudo systemctl enable rundeckd

If you have an active ufw firewall, allow port 4440

sudo ufw allow 4440/tcp

To check service status, use:

$ **sudo systemctl status rundeckd**

**Access Rundeck UI**

Open [http://[IP](http://[ip/) or hostname]:4440/ on your favorite web browser to Login to Rundeck web console.

The default logins are:

Username: **admin**

Password: **admin**

Changing admin user password by editing the file /etc/rundeck/realm.properties

sudo vim /etc/rundeck/realm.properties

Set like below:

admin:NEW\_ADMIN\_PASSWORD,user,admin,architect,deploy,build

Restart rundeckd service:

sudo systemctl restart rundeckd

**Step-4 :** Login into the Rundeck user and make some configuration on it by the following commands:

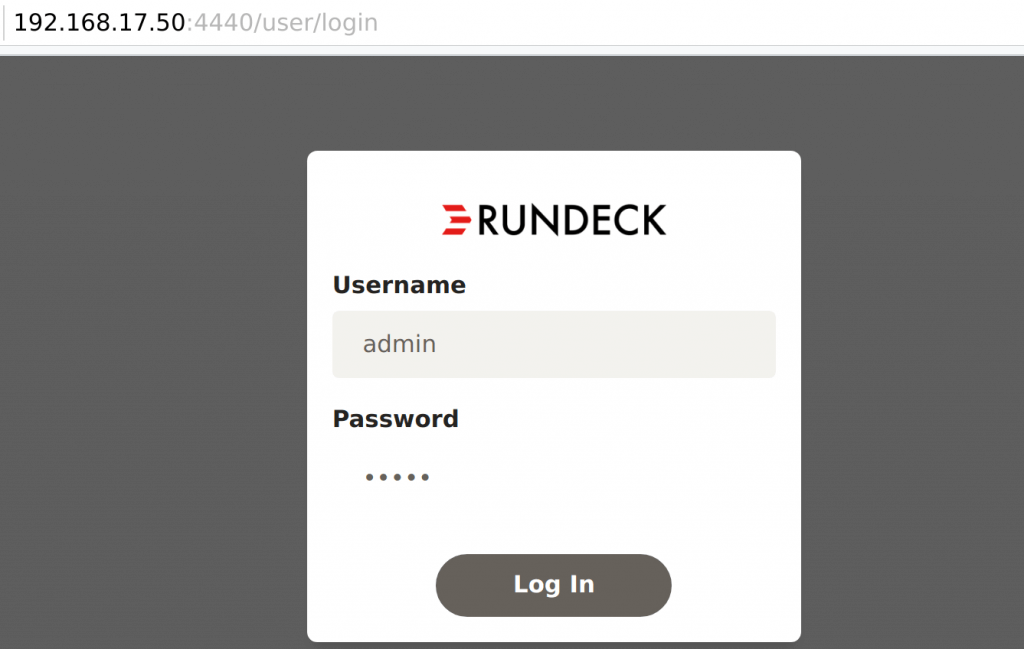
$ su rundeck -s /bin/bash

$ ssh-keygen (generate ssh key)

$ ssh-copy-id <Remote-node-user-name>@<remote-node-IP> (copy ssh key to remote node)

Remaining steps are continuing after creating a project form Rundeck UI

**Step-5**: Open [http://[IP](http://[ip/) or hostname]:4440/ on your favorite web browser to Login to Rundeck web console.

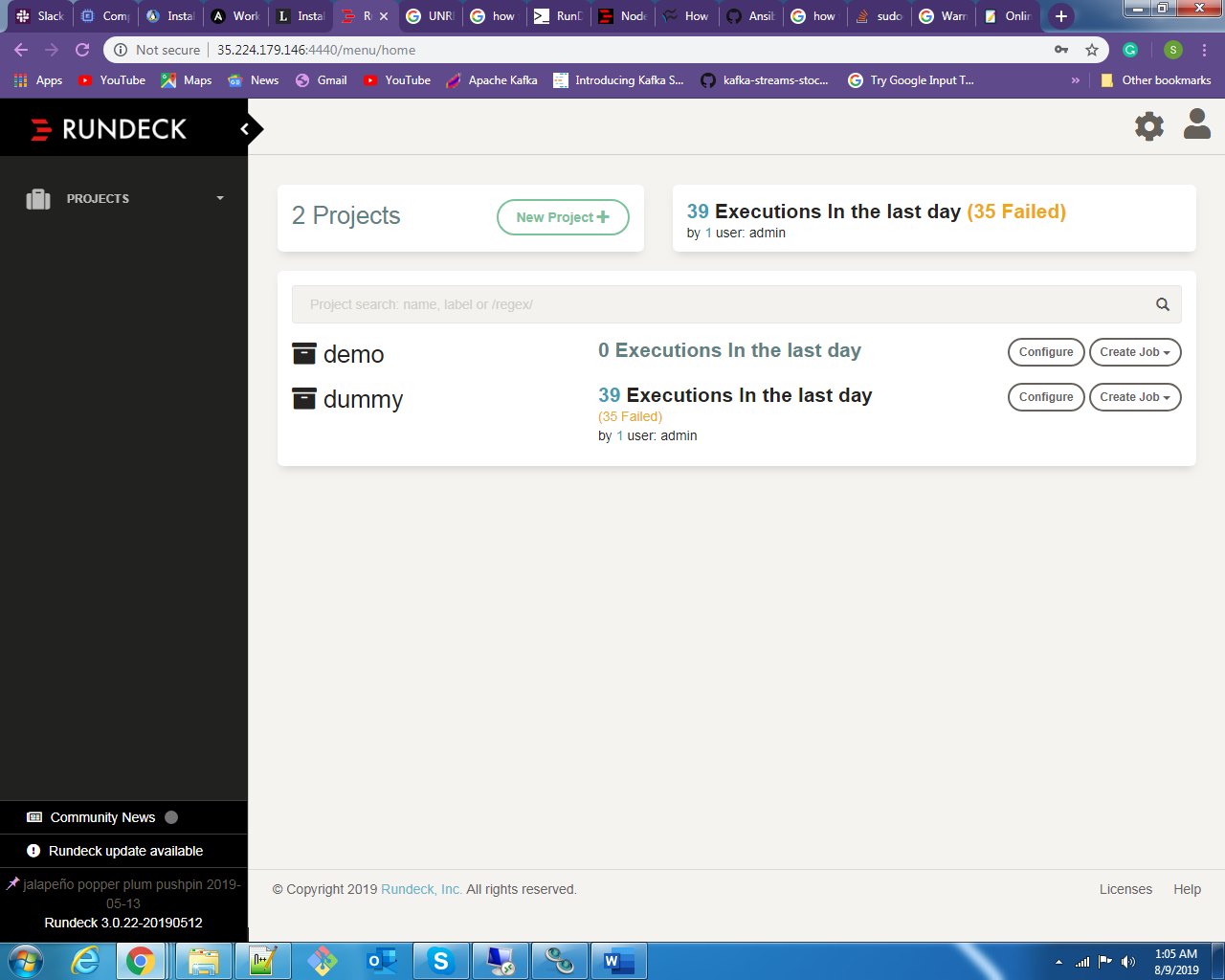


The default logins are:

Username: **admin**

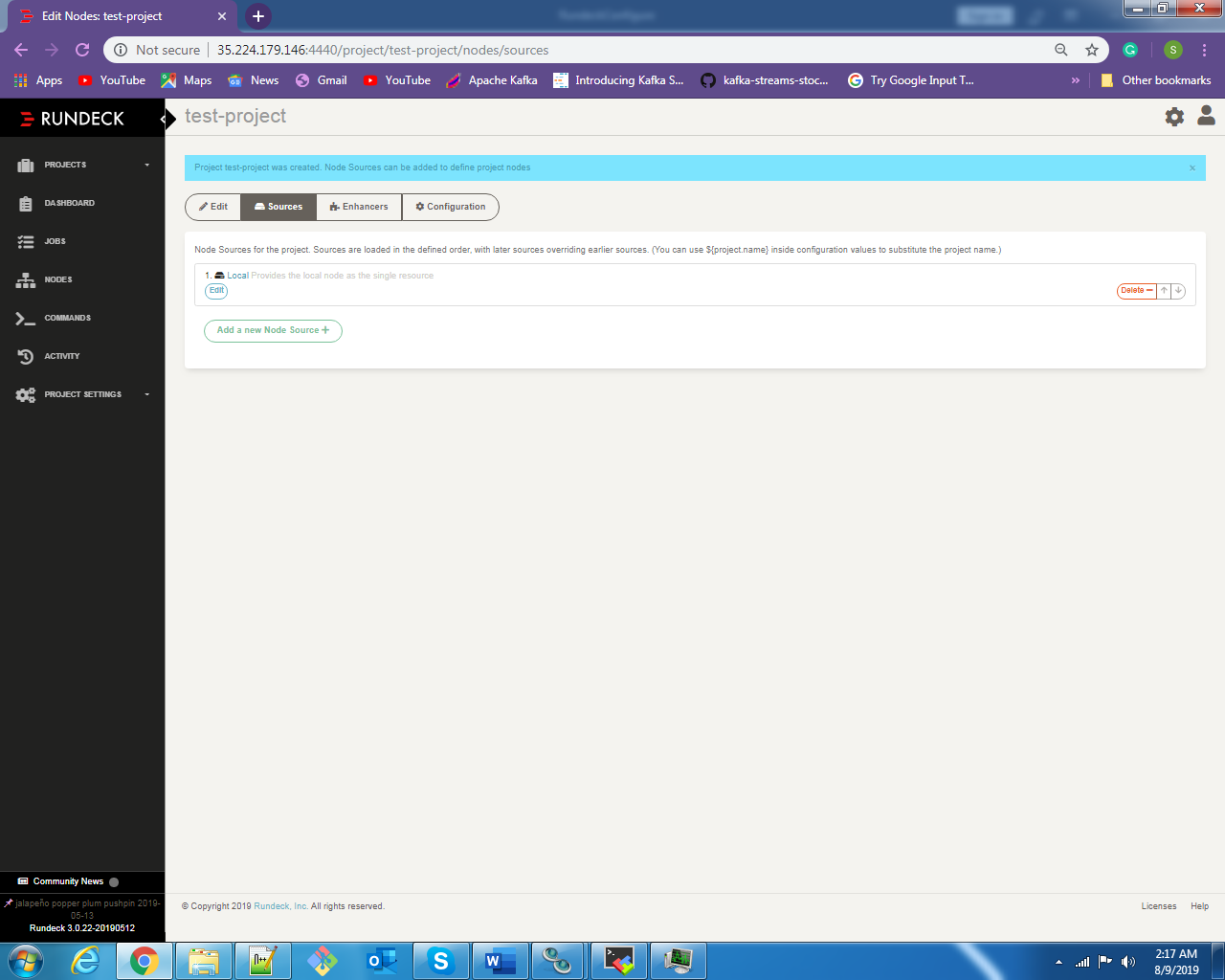
Password: **admin**

Click on new project button and create a new project.

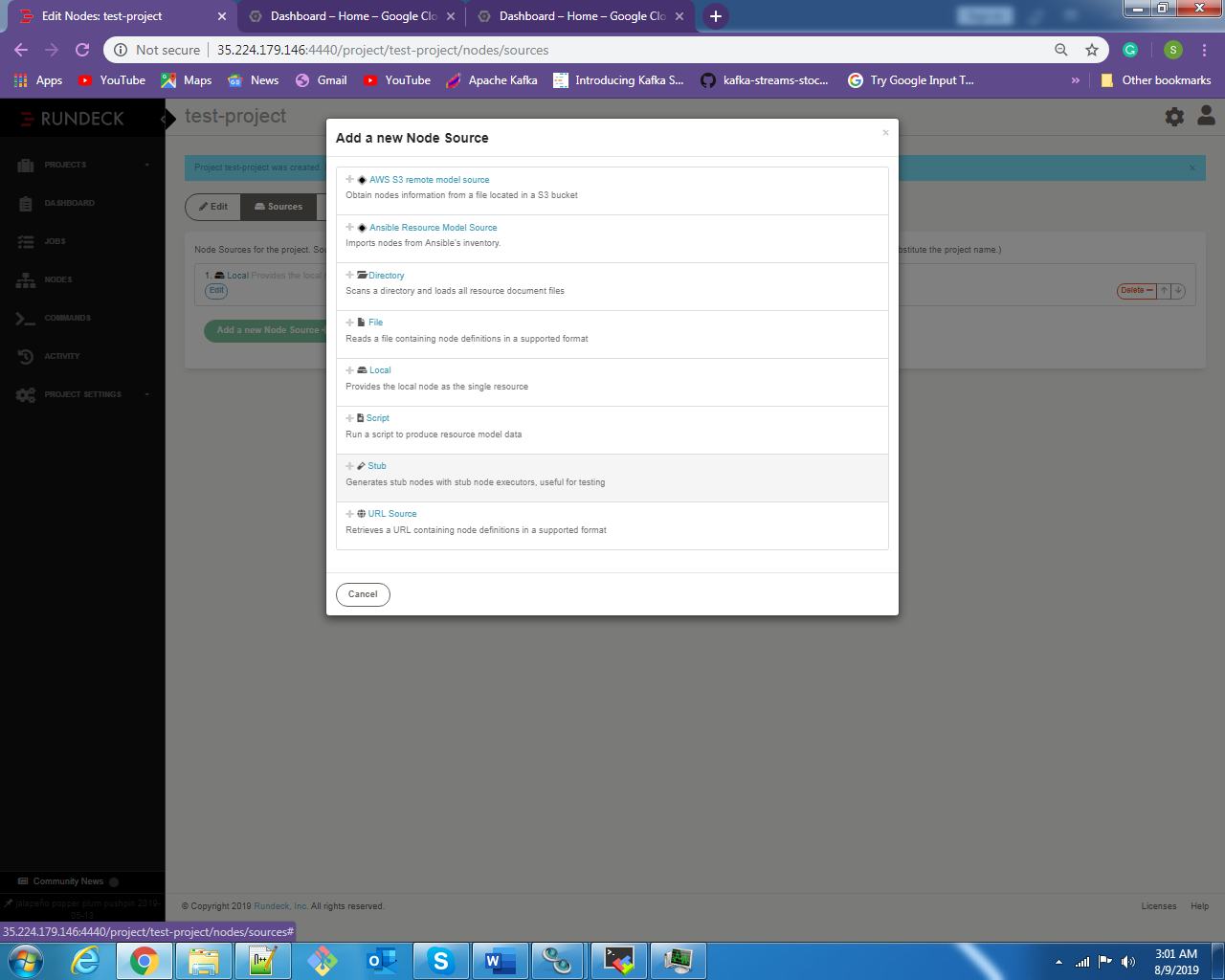


Enter the project name and you just click on the create button of the bottom of the page.

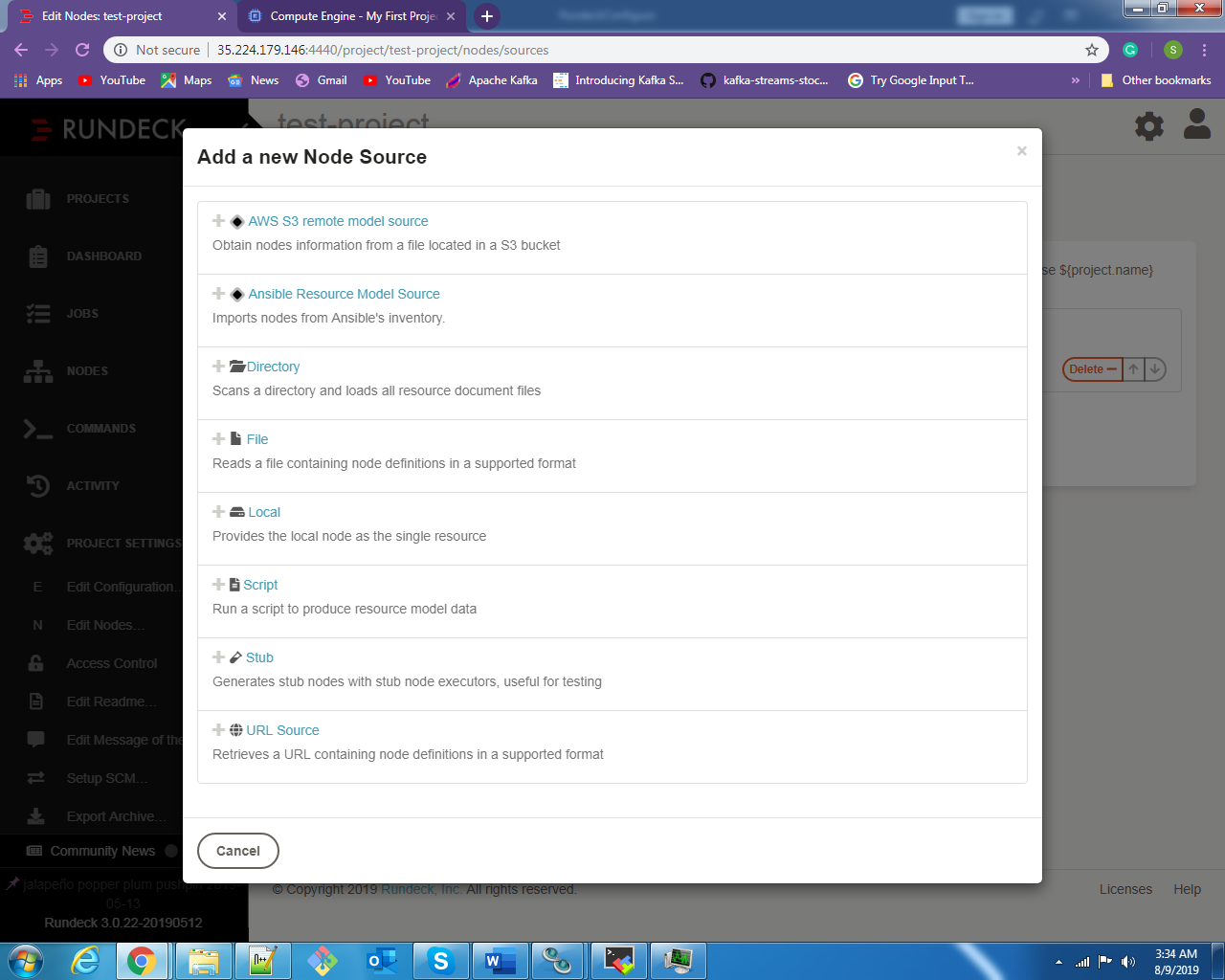
Once you click the create button it display the another page in which you make entries of node by clicking the add a new node Source



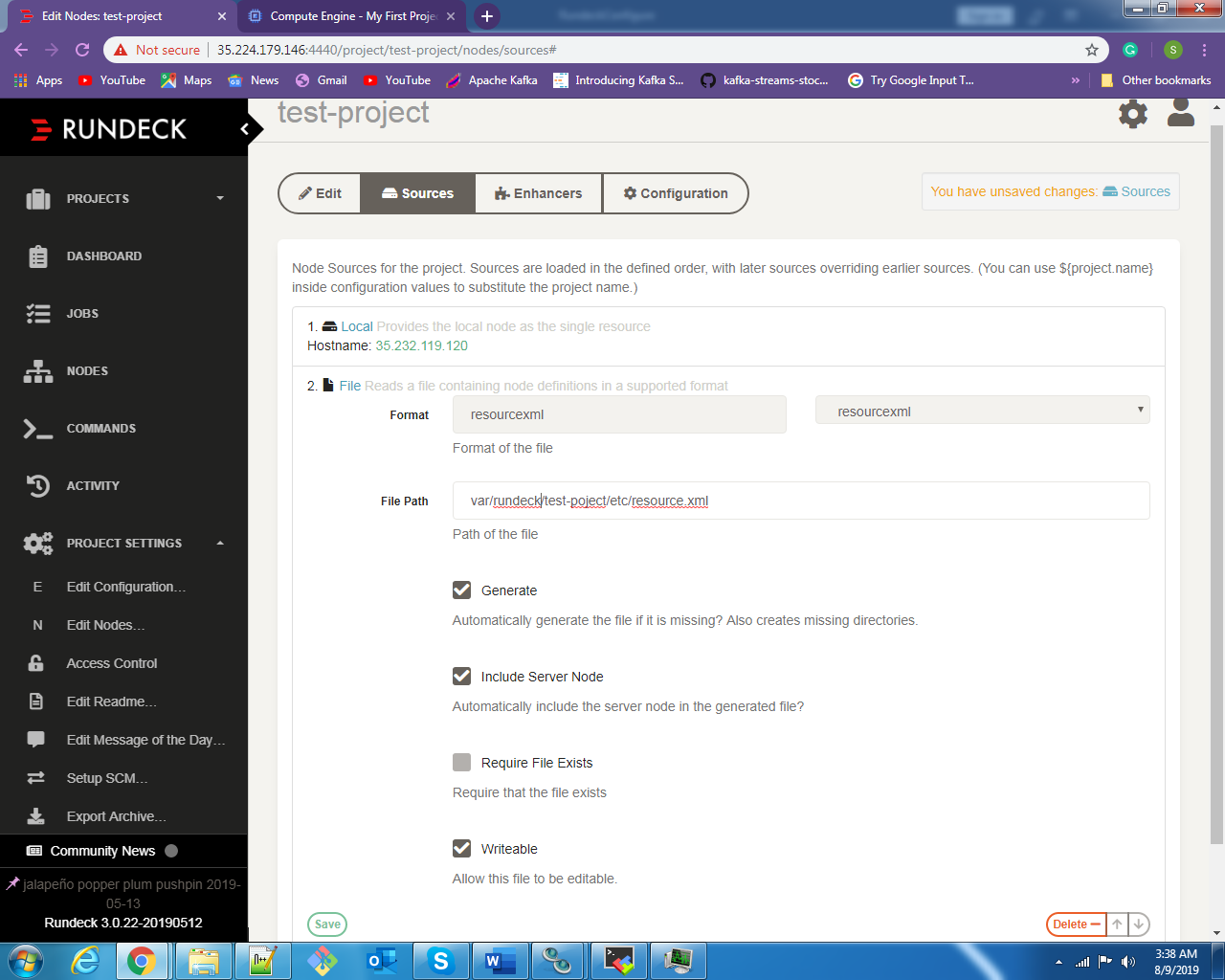
Now select the file option from the popup screen.



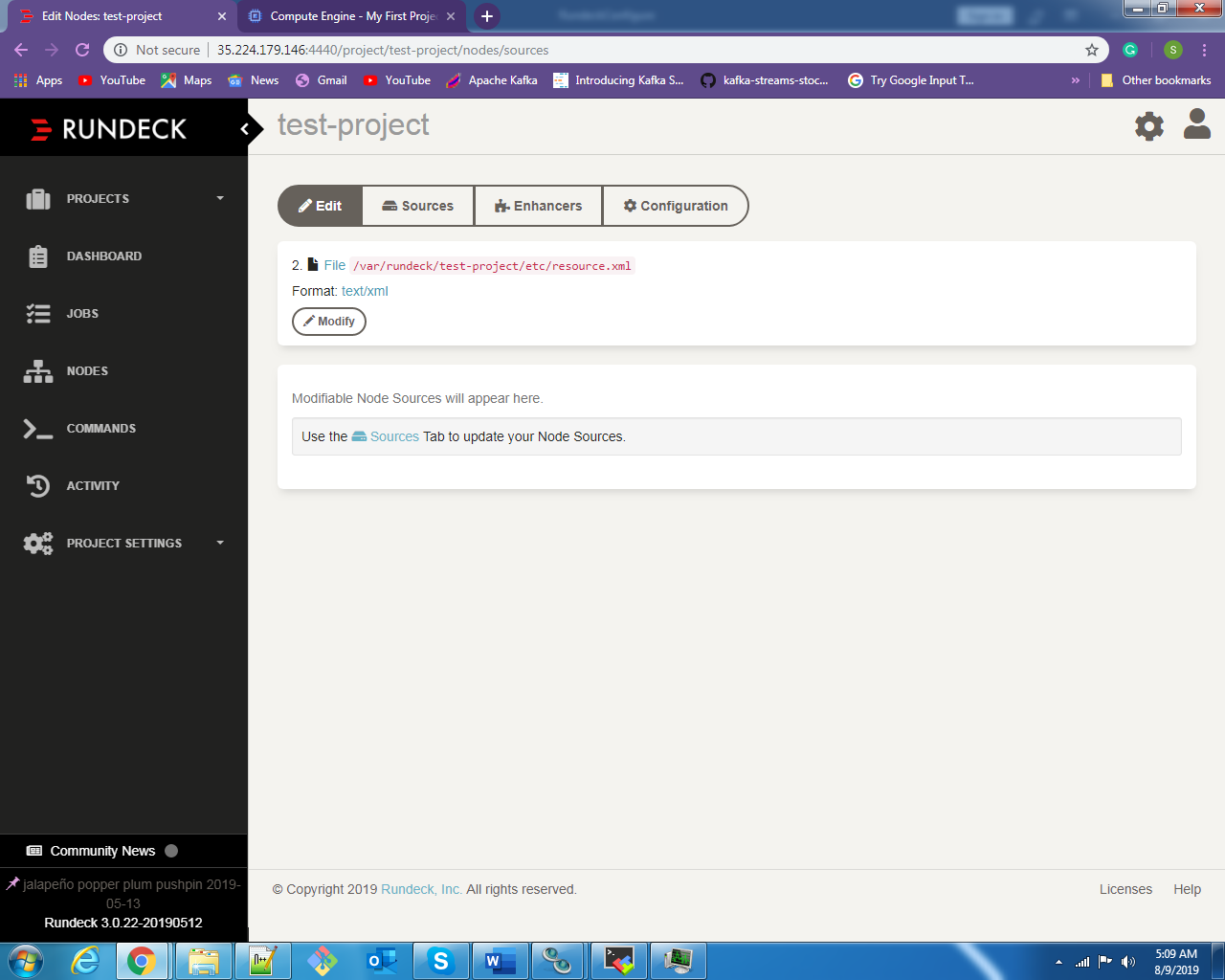
Create XML file by clicking the project setting and select edit node. Click on the add a new node source and select file option from the popup screen.



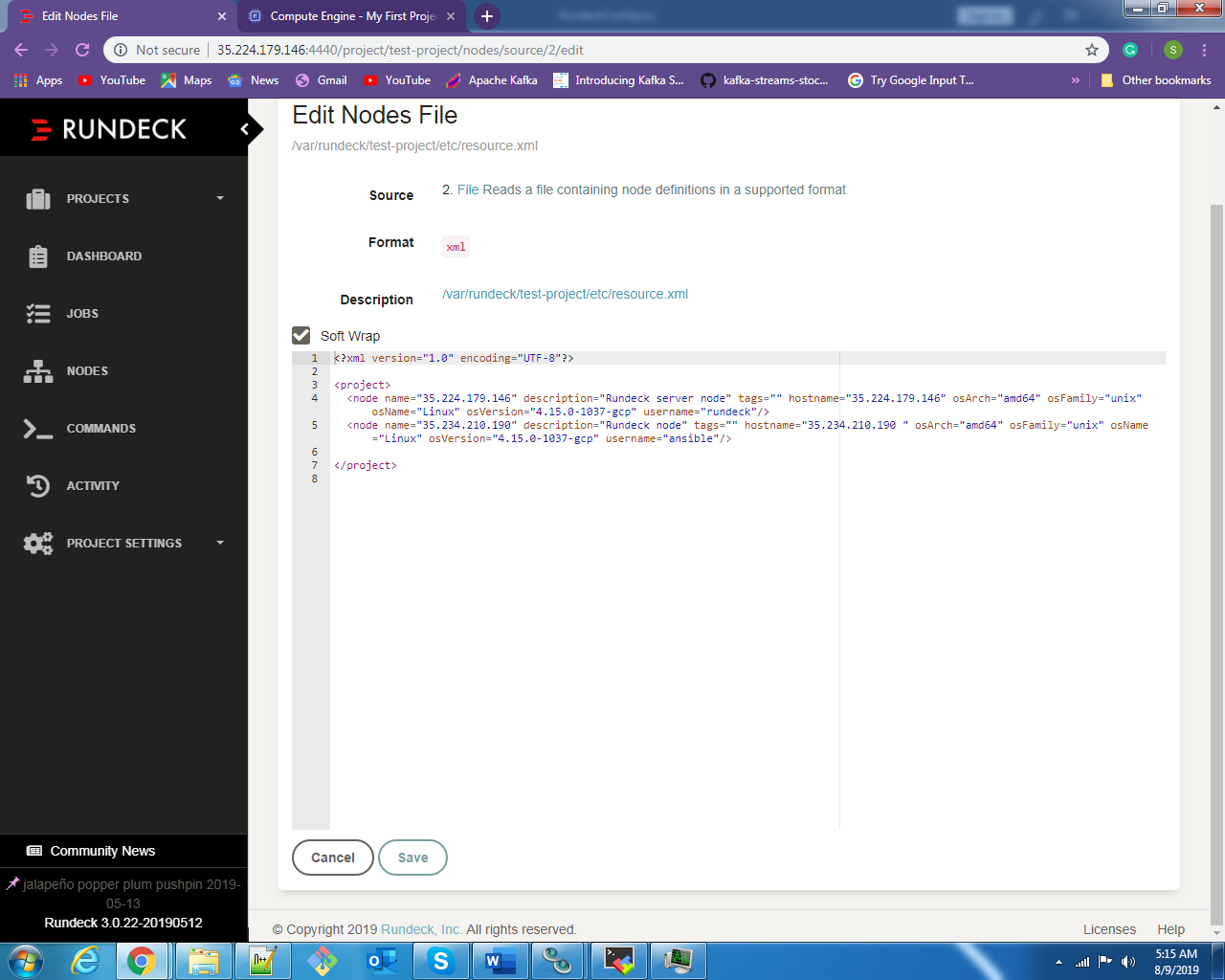
After selecting the file option, it dispay another page.



Select the file format from the dropdown and provide the file path for the resource.xml file. Tick the check box of Generate, Include Server Node, writeable and click on the save button.



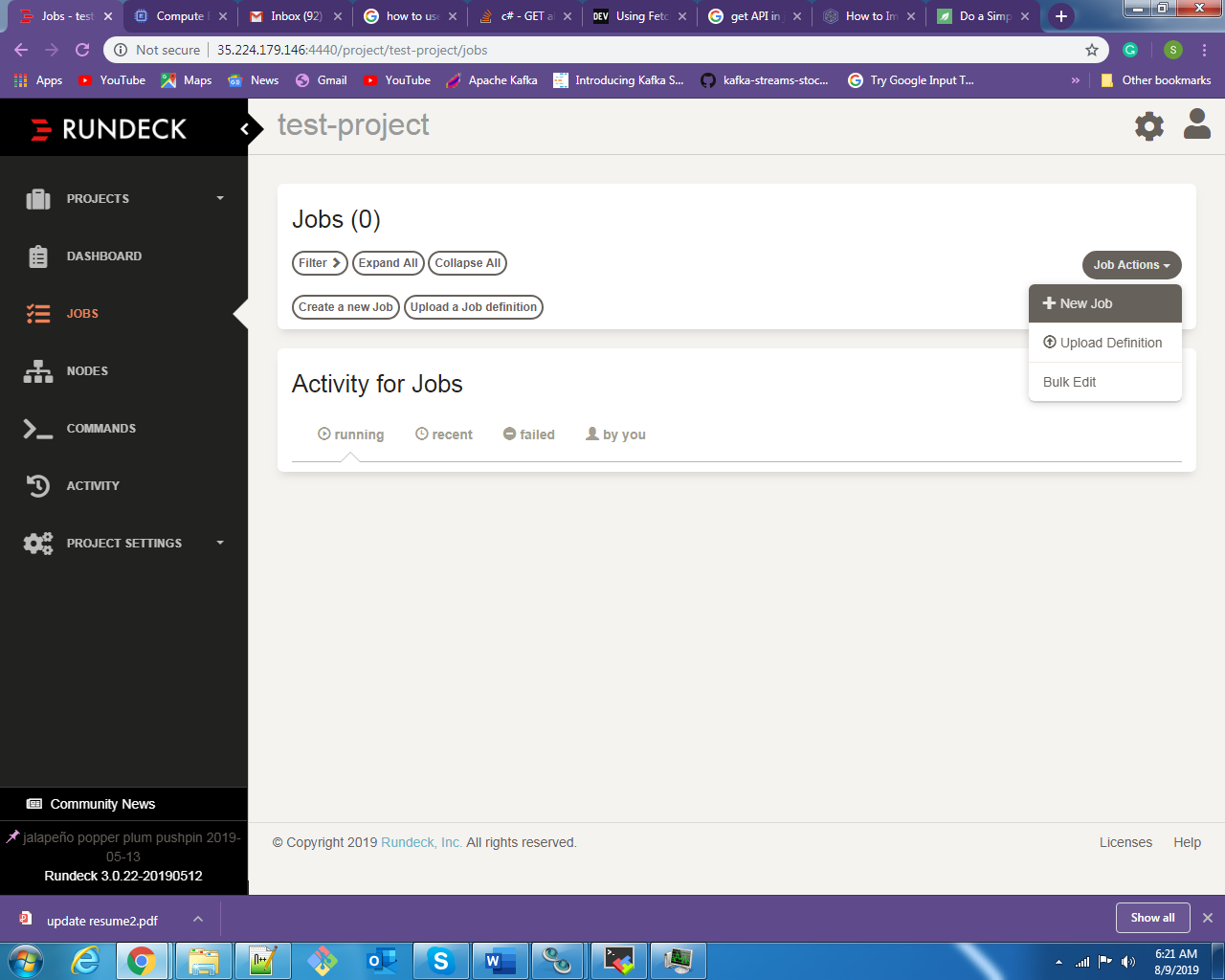
Now click on the Modify option to add remote nodes .



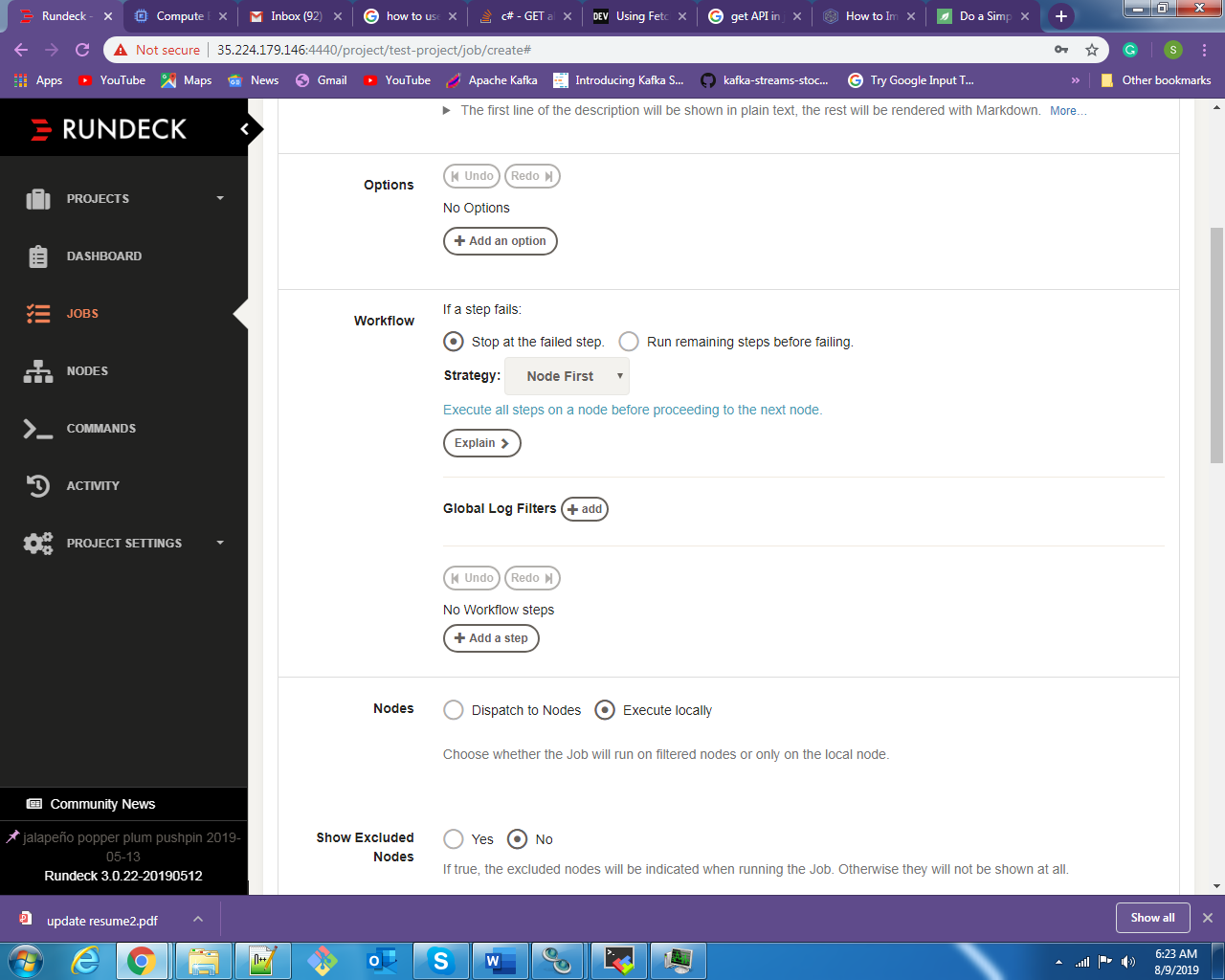
Make the node entries by providing node’s IP and node user name then click on save button.

Create ansible-playbook on /var/rundeck/project/project\_name/etc/ directory.

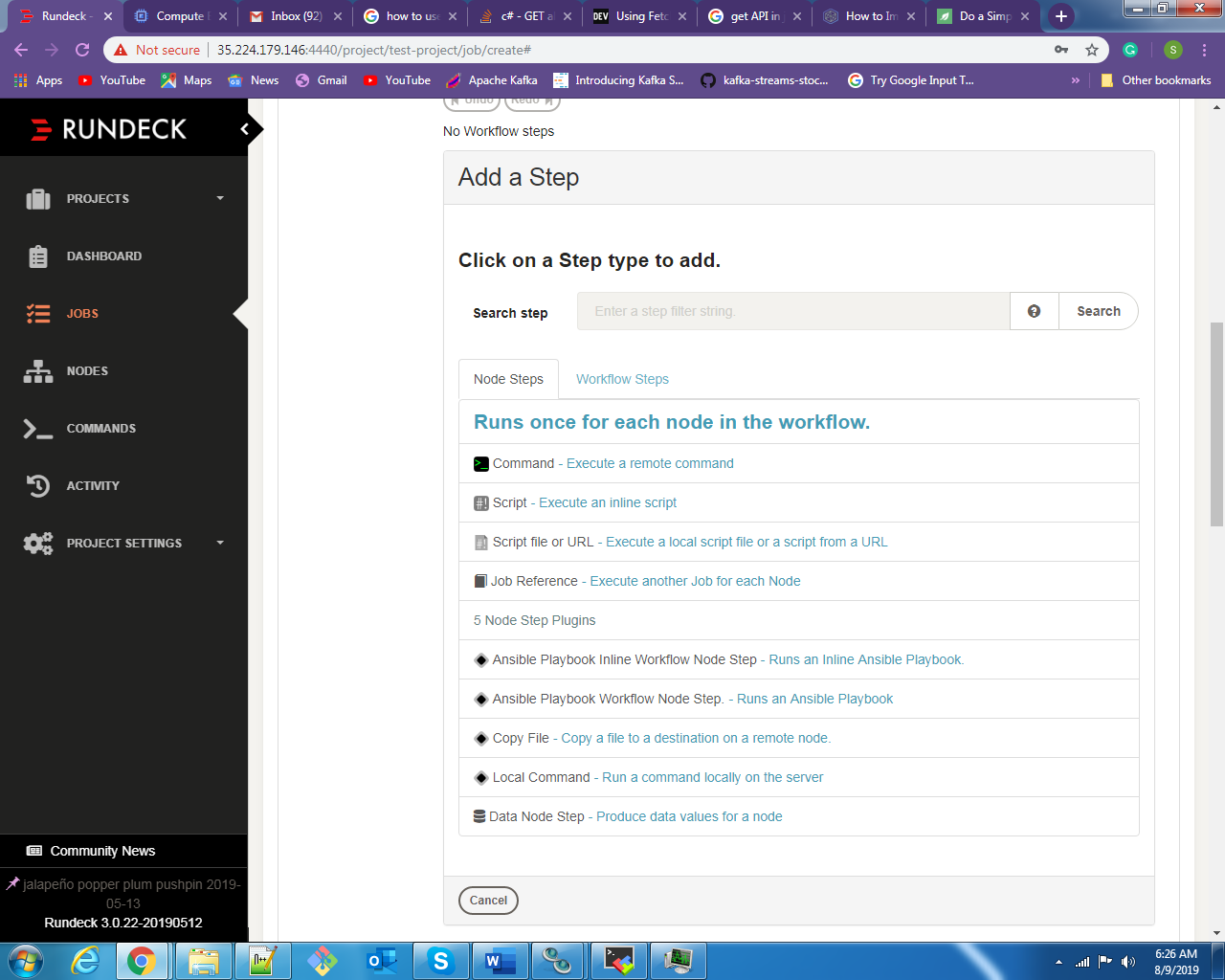
Step-5 Create job by clicking on job Action on the JOBS section.



Now click on the add a step on workflow section to setup configuration for ansible-playbook.



click on the Ansible playbook workflow Node Step.

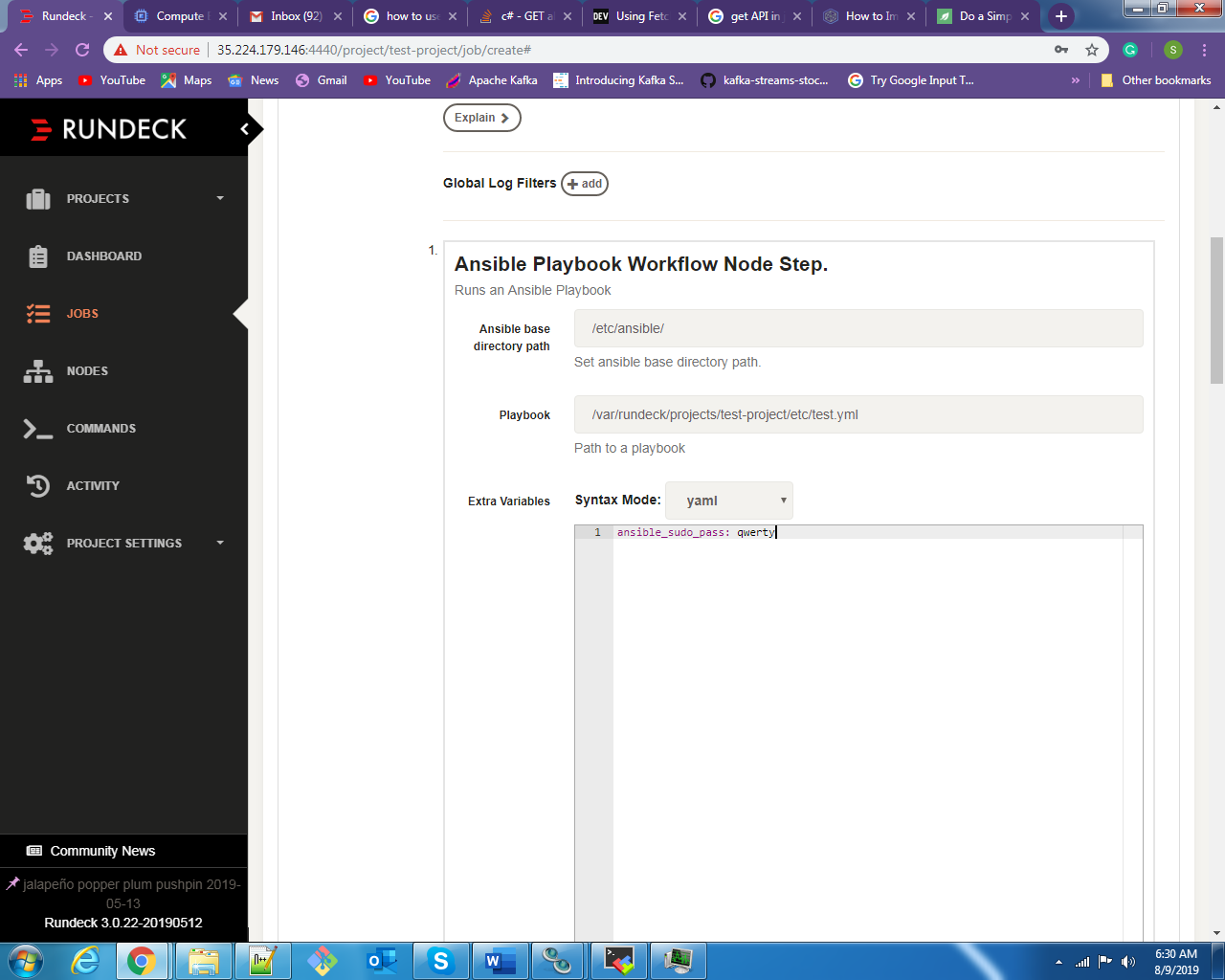


Below write an ansible base directory path, by default it is /etc/ansible and also fill ansible-playbook path which is /var/rundeck/project\_name/etc/playbook.yml

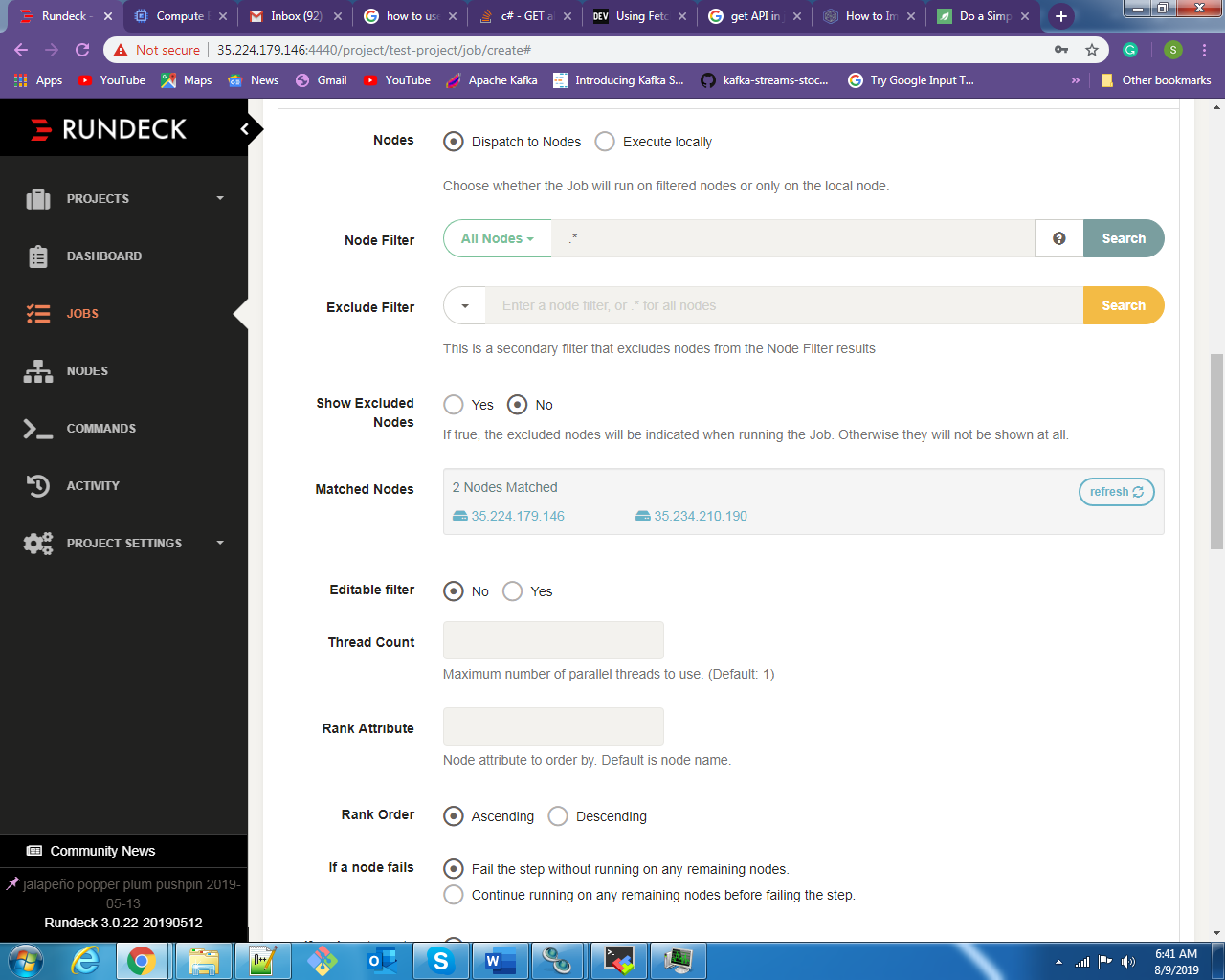
**Note:-**

If you want to pass extra variable for execute the playbook you can pass in extra variable section in yaml format.

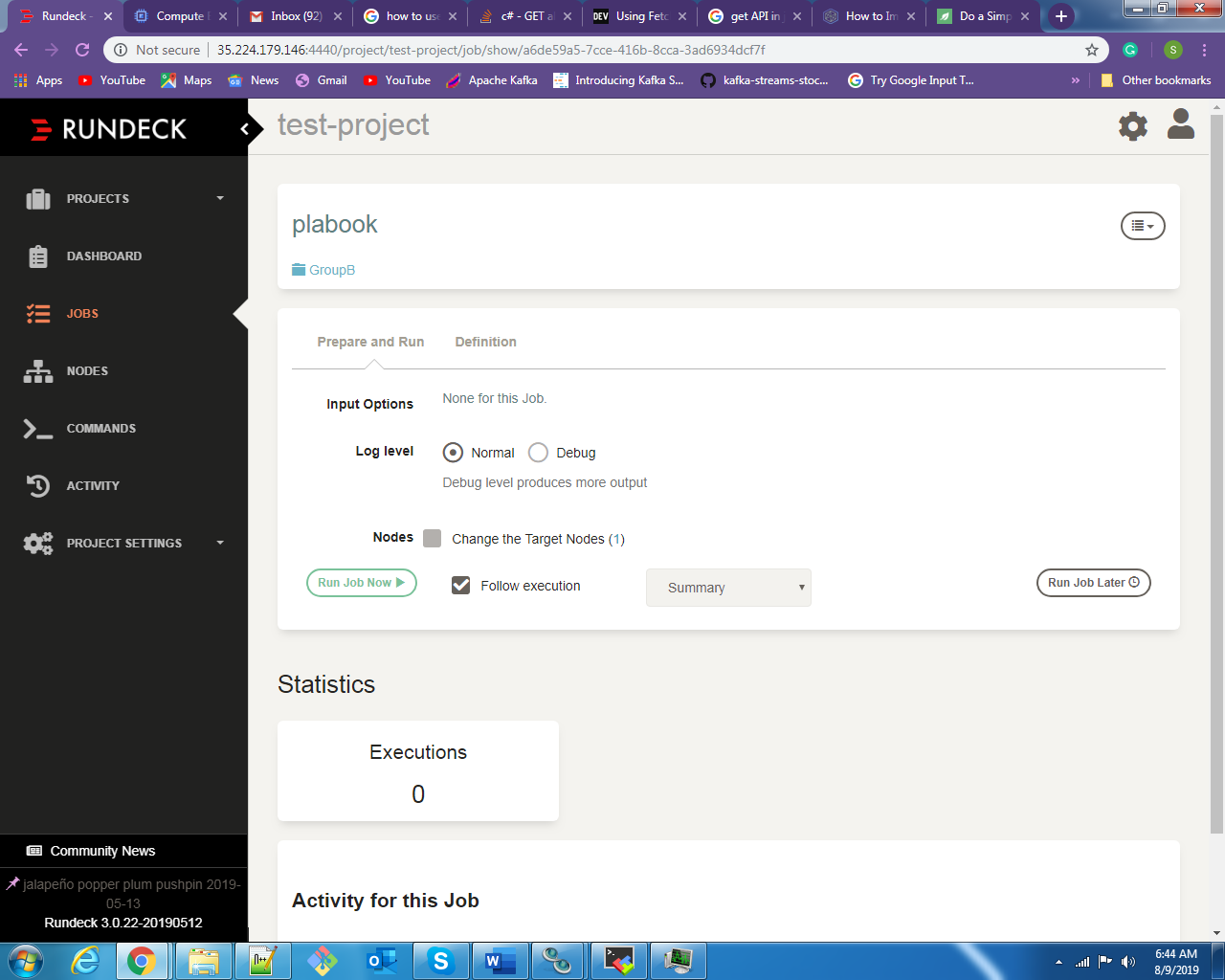
Click the save button of the Ansible Playbook Workflow Node Step.



Select the remote node by dropdown of Node Filter option. In the execute option you can select all node or a specific node for execute playbook and click on the create button.



After creating a job you will get the following window and you just have to run the job by click on **run job now** button.



The output of the job is below

