**Setup Nexus v3.12.1 in OCP v3.6**

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**Project:**

MATRIX

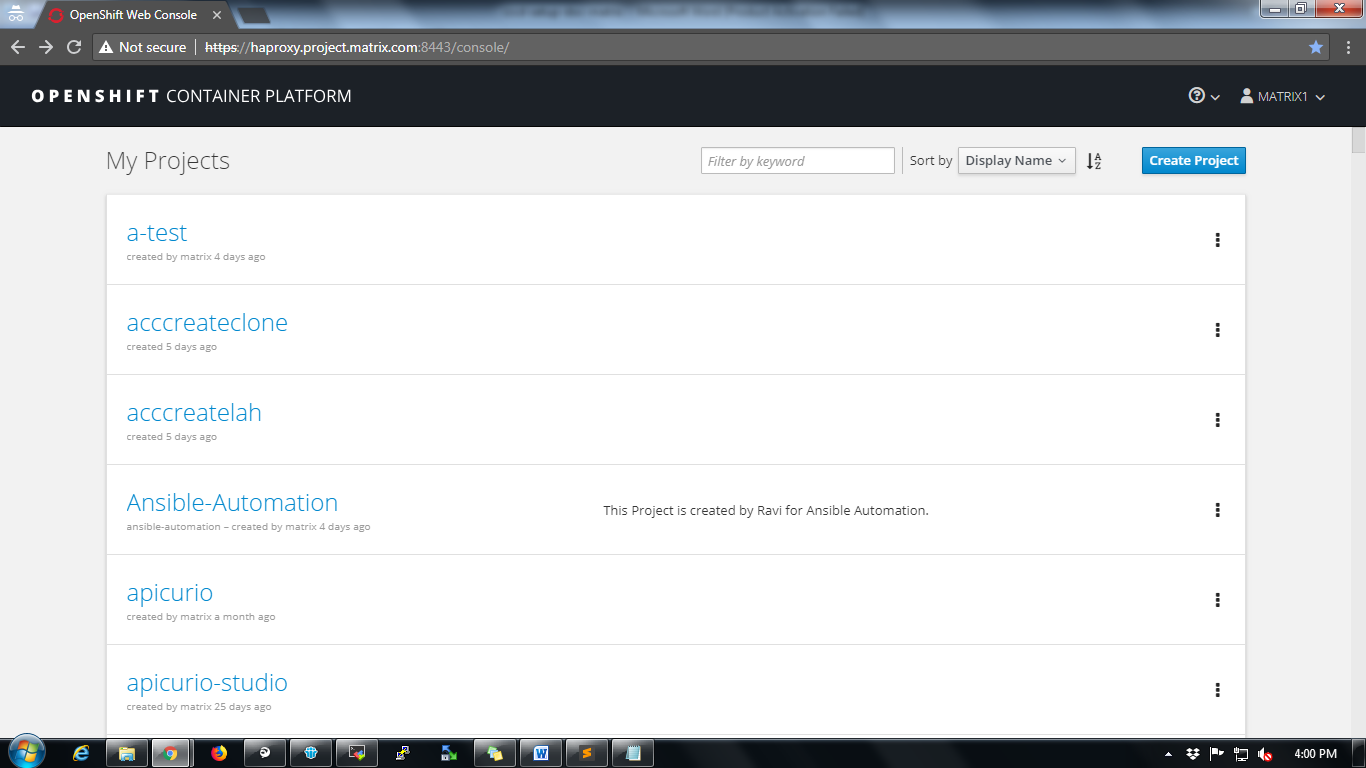
**Created on:**

6th August 2018

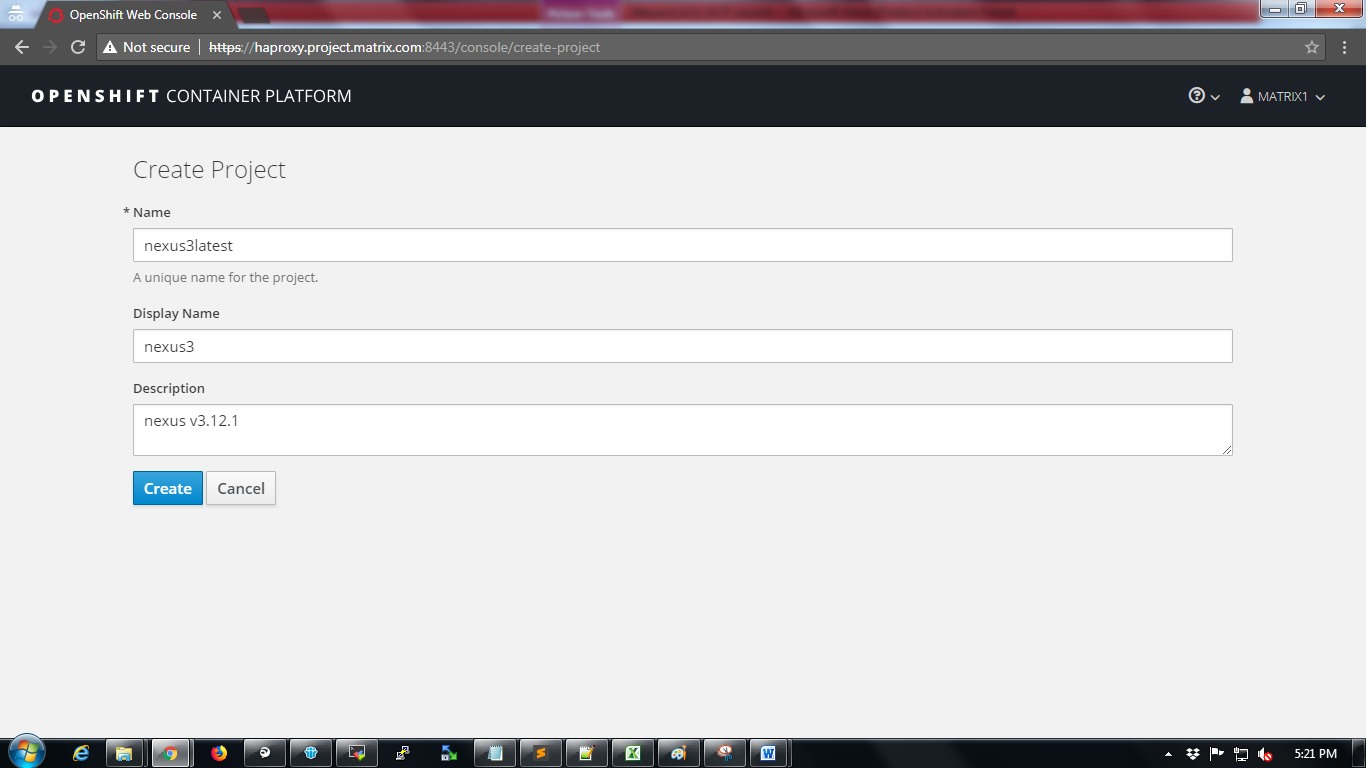
This document is available at: ***\\10.127.150.41\NSN Share\Matrix\CICD-SIT-Setup***

Login into OpenShift UI console.

Click on Create Project button.



Fill up project details and click on Create button.

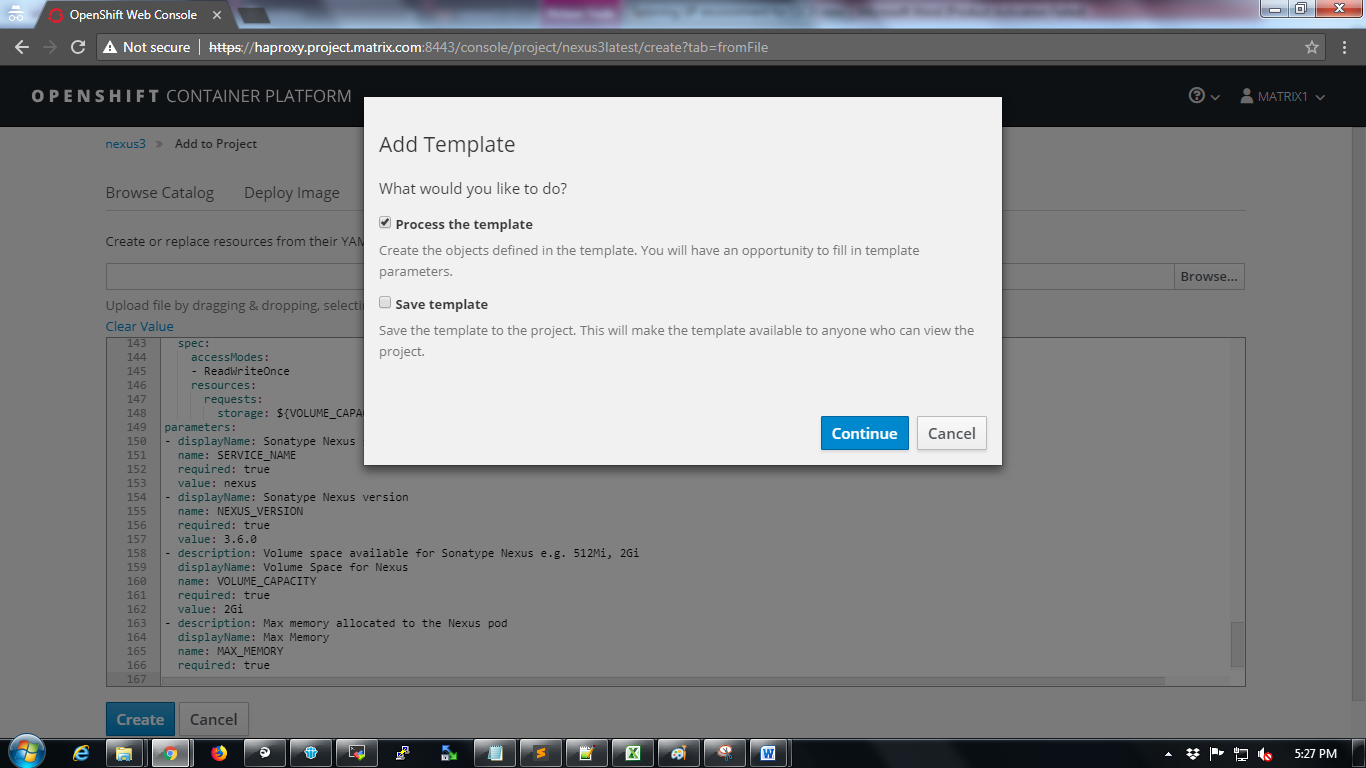


Next add the Nexus v3.12.1 template yaml file to your project.

Click on “Import YAML / JSON” tab and paste the content in attached template file on to the clipboard and Click on Create button.



A prompt “Add Template” will be displayed on screen then click on Continue button.



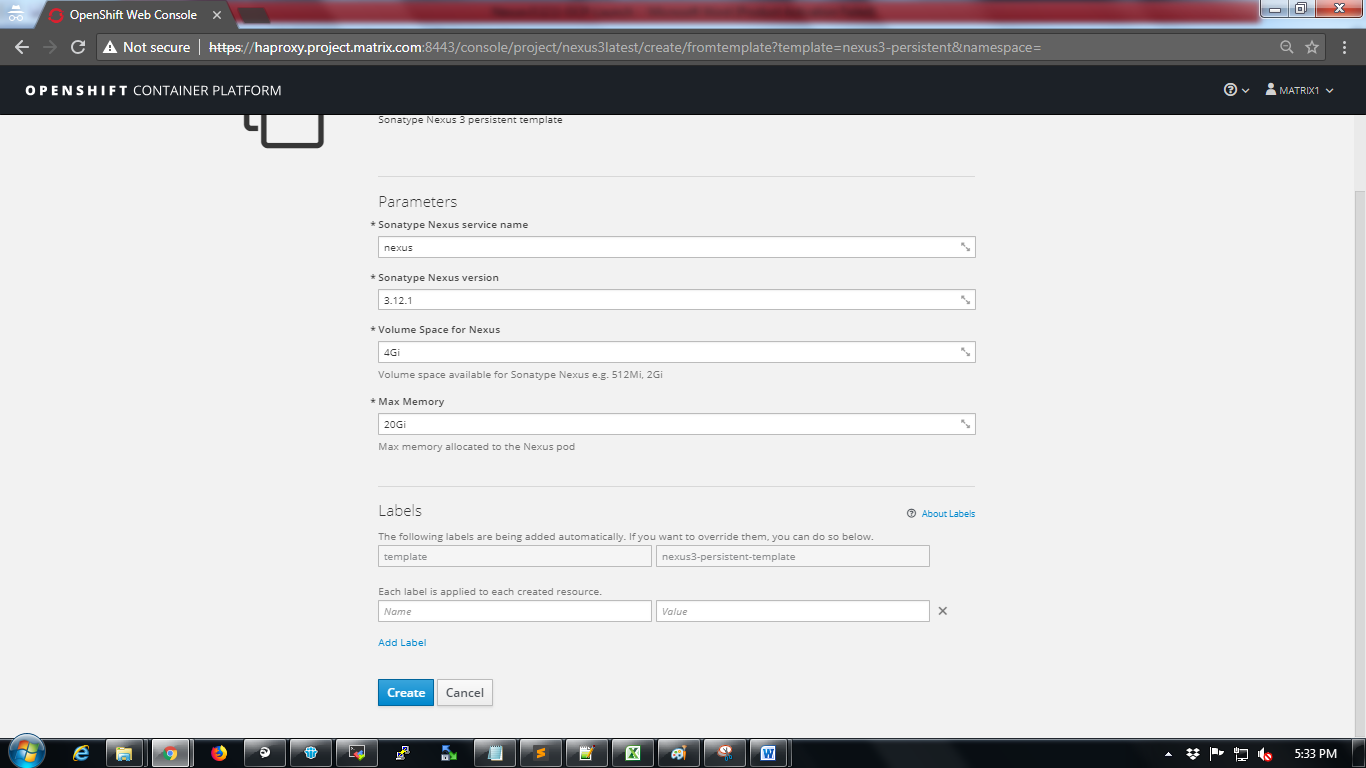
Configure Nexus container parameters as follows.

Change “Sonatype Nexus service name” field to any name like eg: nexusv3121

Set “Max Memory” field eg: 4Gi (for Nexus container with 4GB of RAM)

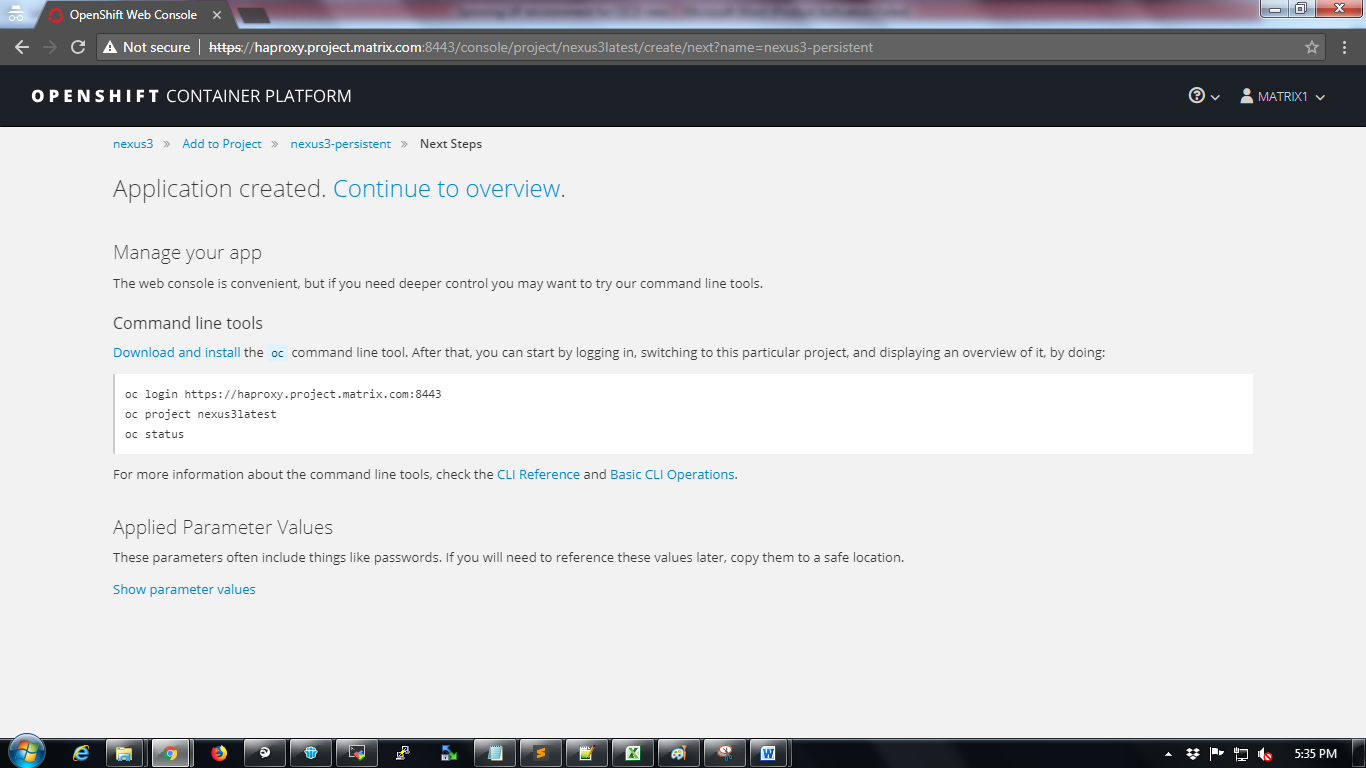
Set “Volume Space for Nexus” field eg: 20Gi (for Nexus container with 20GB of Disk Space)

Refer below screenshot for a sample parameter configuration.

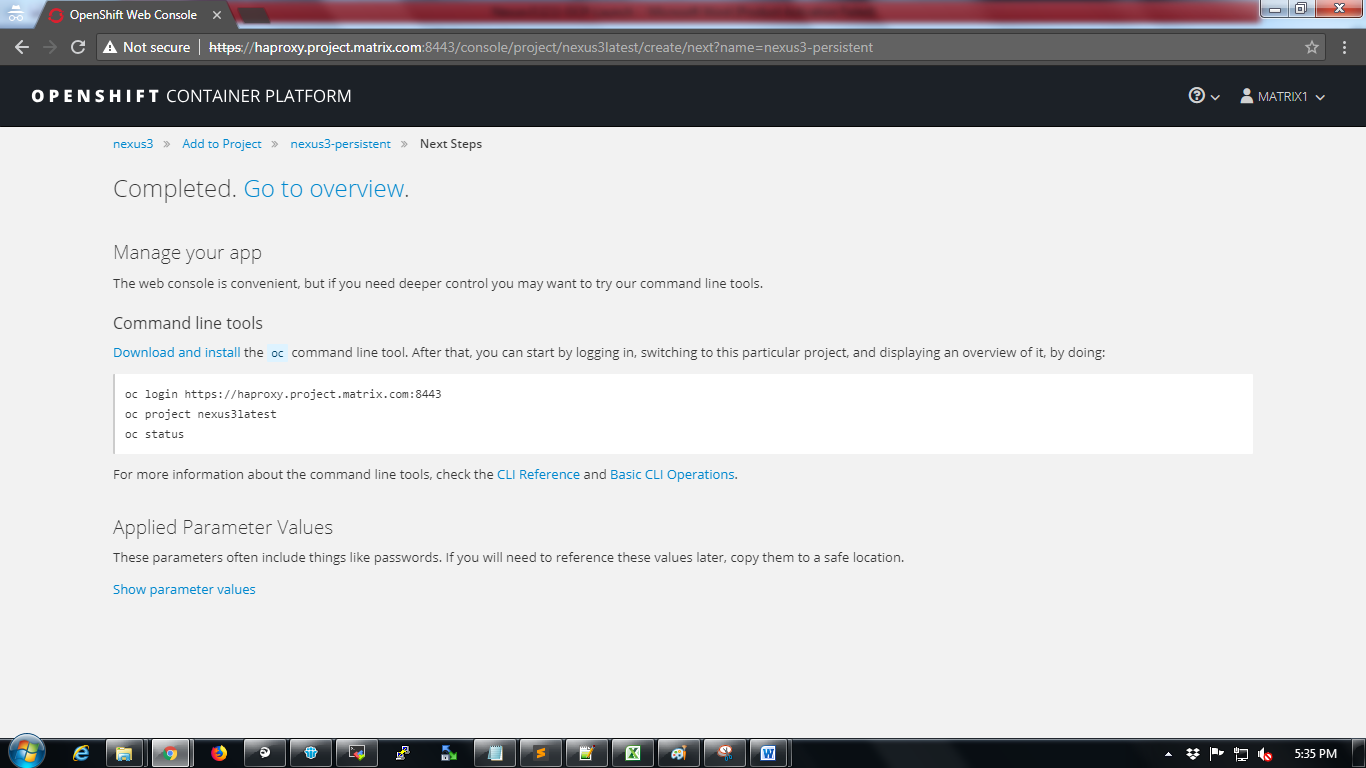


Click on Create button at the bottom of the page

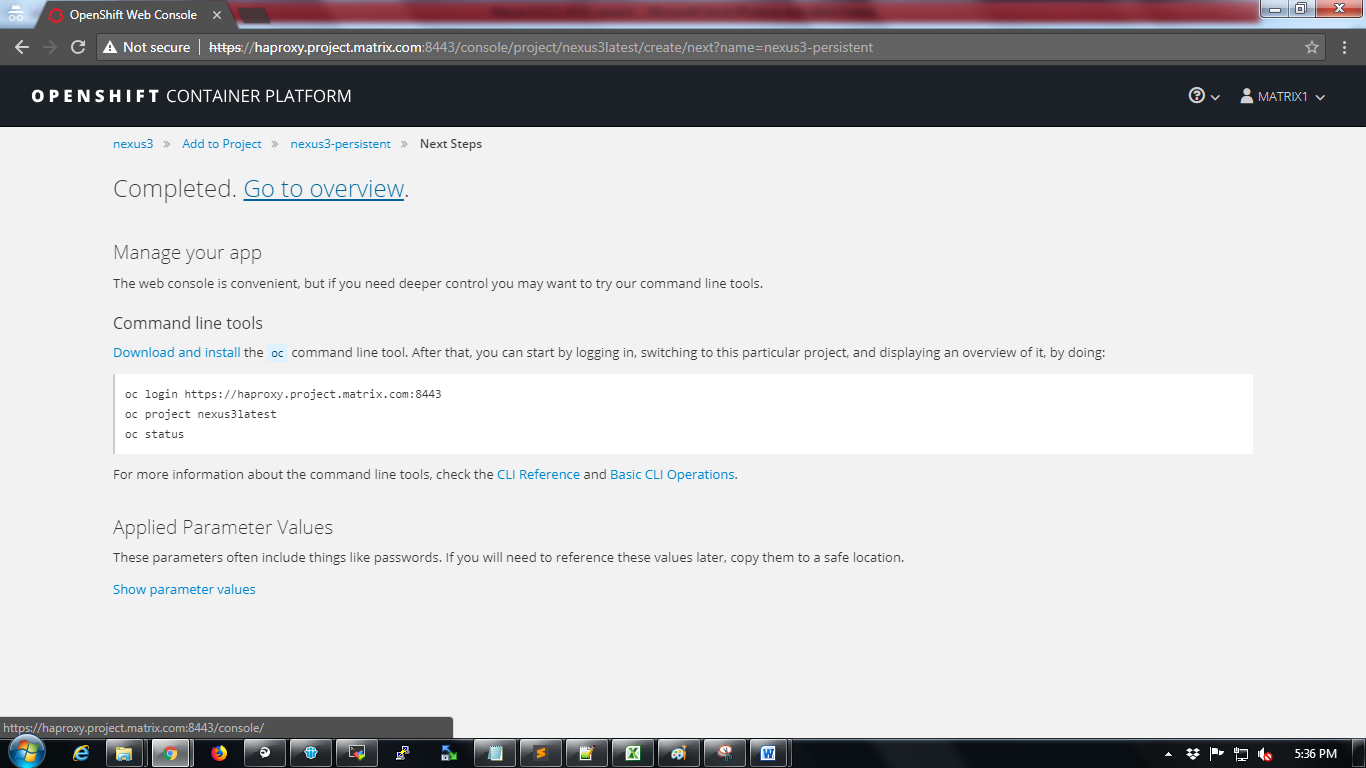
The next page will show status that “Application created”.



Wait for a while till the status shows “Completed” as shown below



Click on “Go to overview” tab to verify the project home.

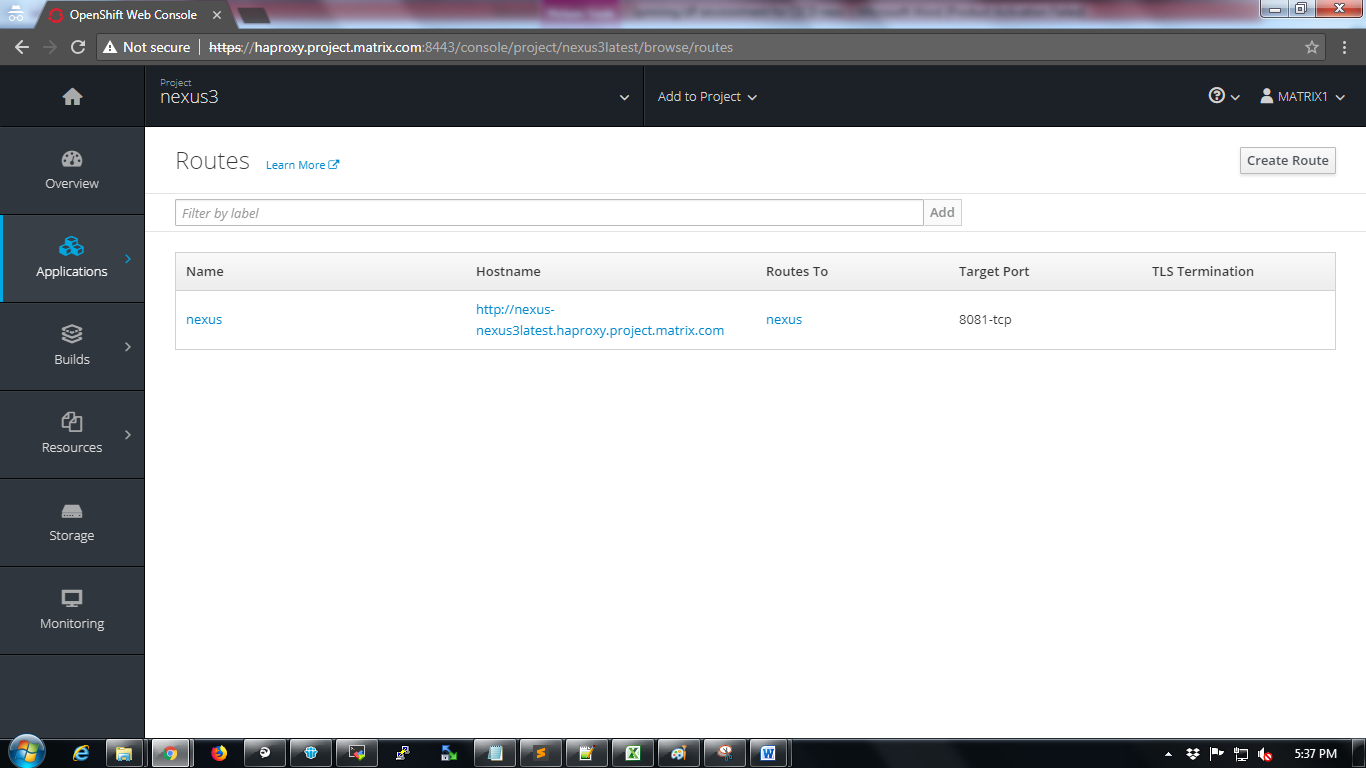


**Access Nexus URL**

To access Nexus follow below steps

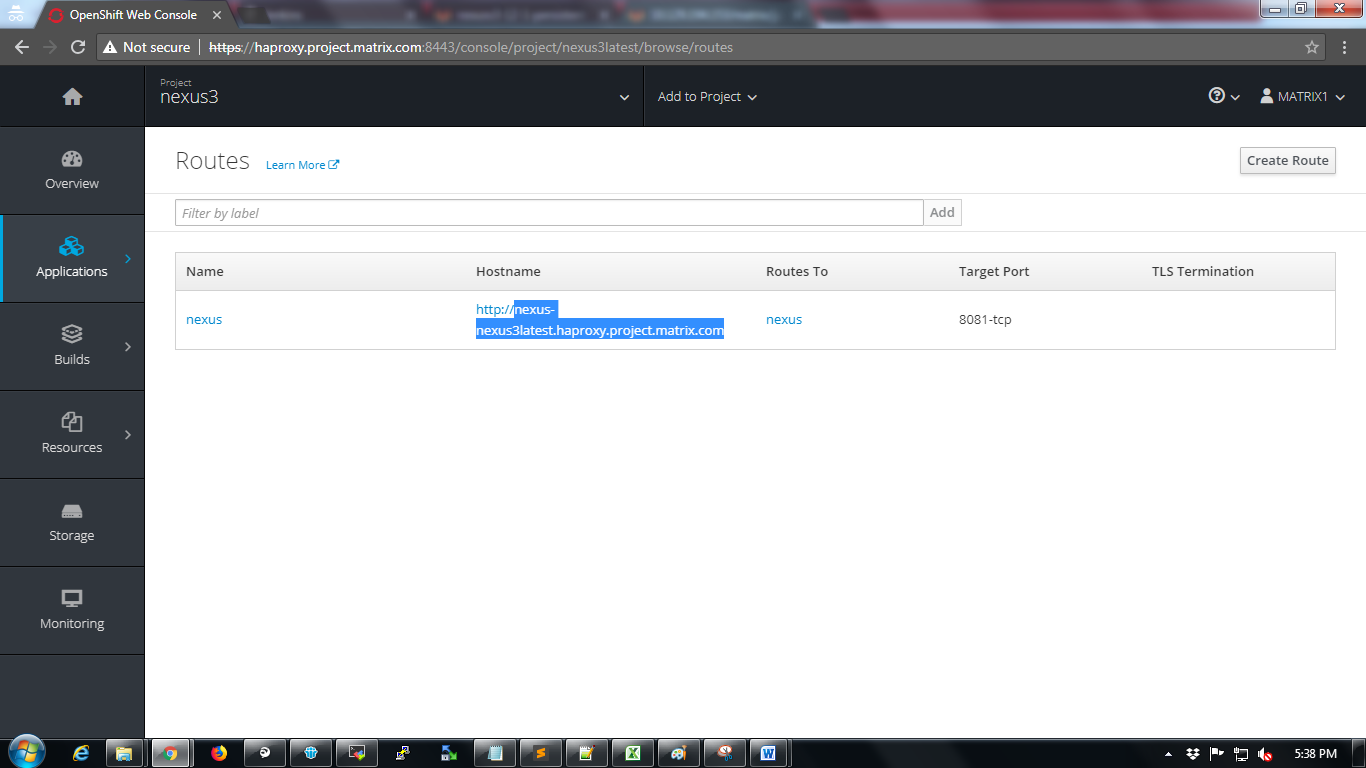
Click on Applications🡪Routes

All routes accessible to Nexus will be displayed.

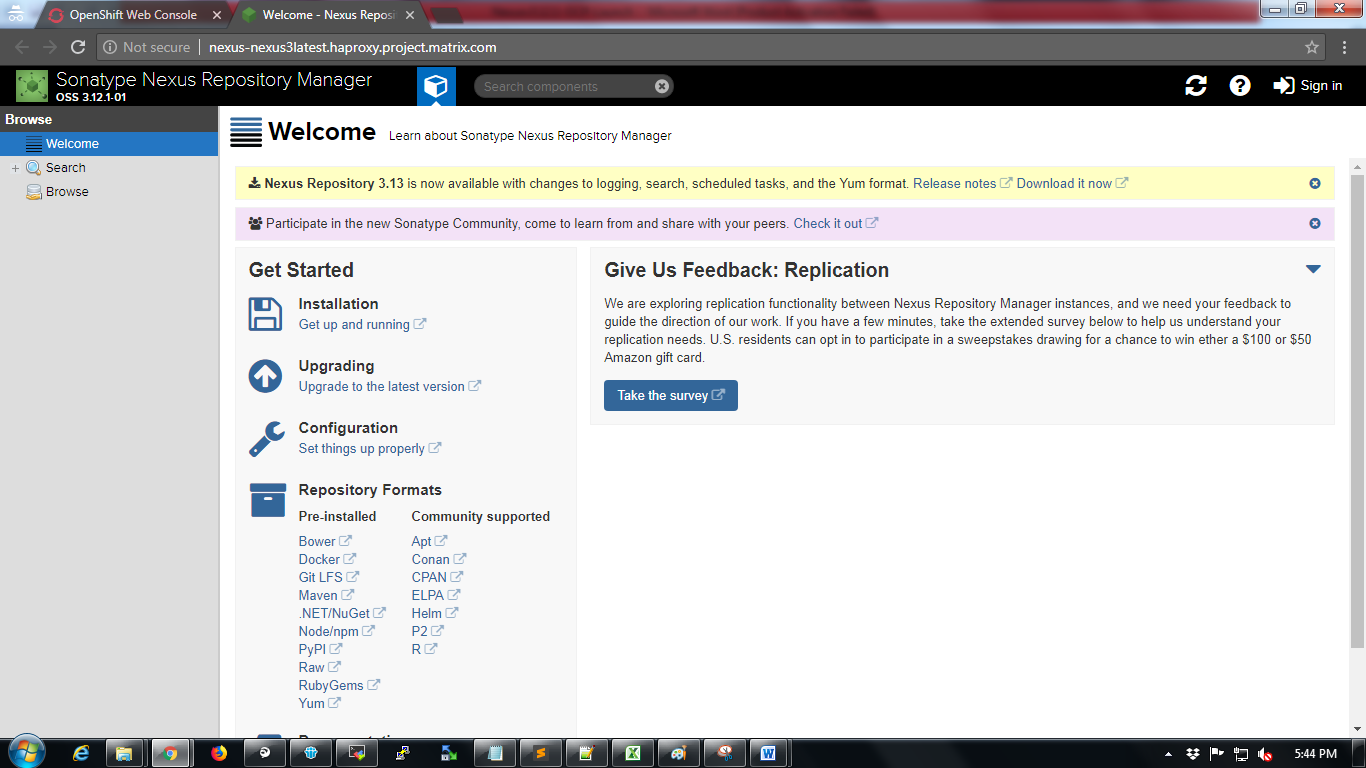


Now copy the hostname as highlighted in below screenshot and add to local computer’s hosts file to access using browser. While adding the hostname in hosts file make sure it is mapped to proper haproxy address of OCP.

Refer below screenshot



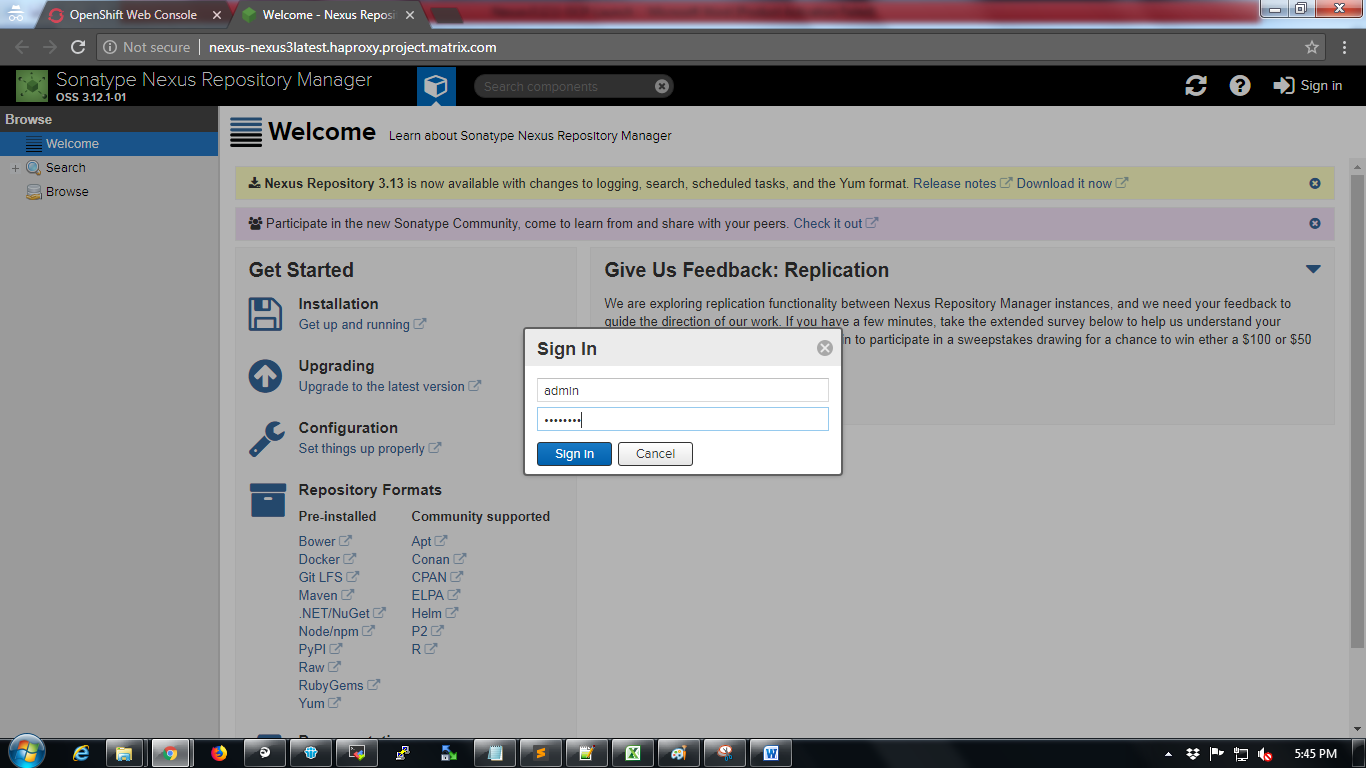
Now try to access the application using the url and login with default credentials of nexus. Click on “Sign in” button.



Default Credentials:

Username: admin

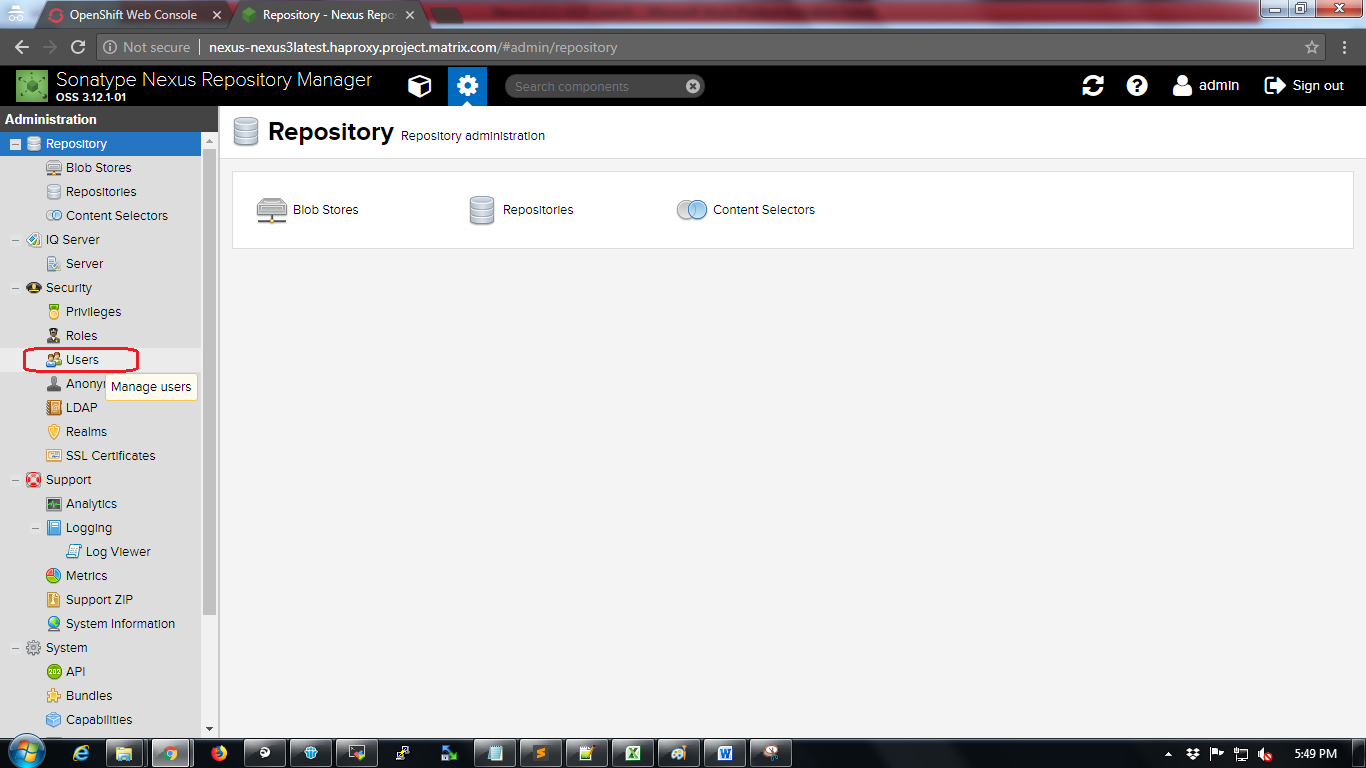
Password: admin123



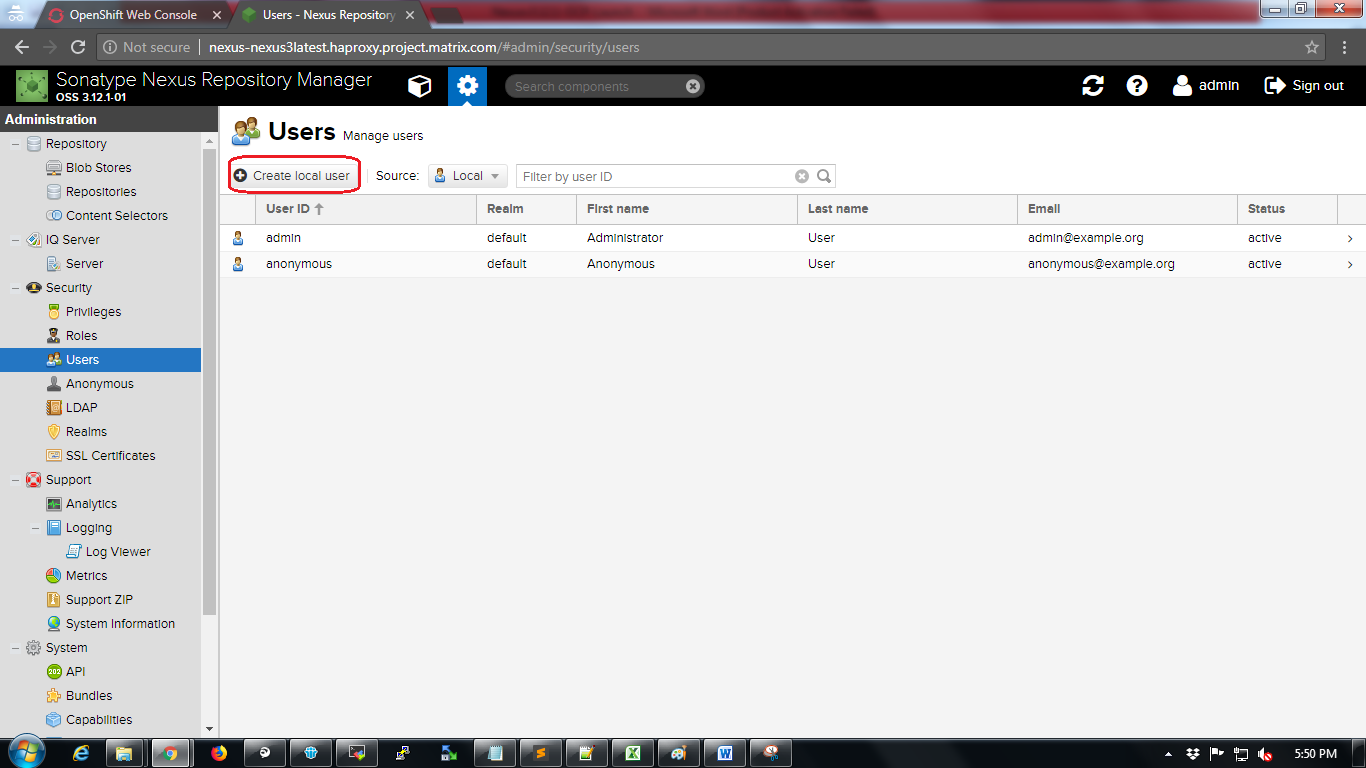
Create user in nexus

Click on settings icon 

Click on Users option

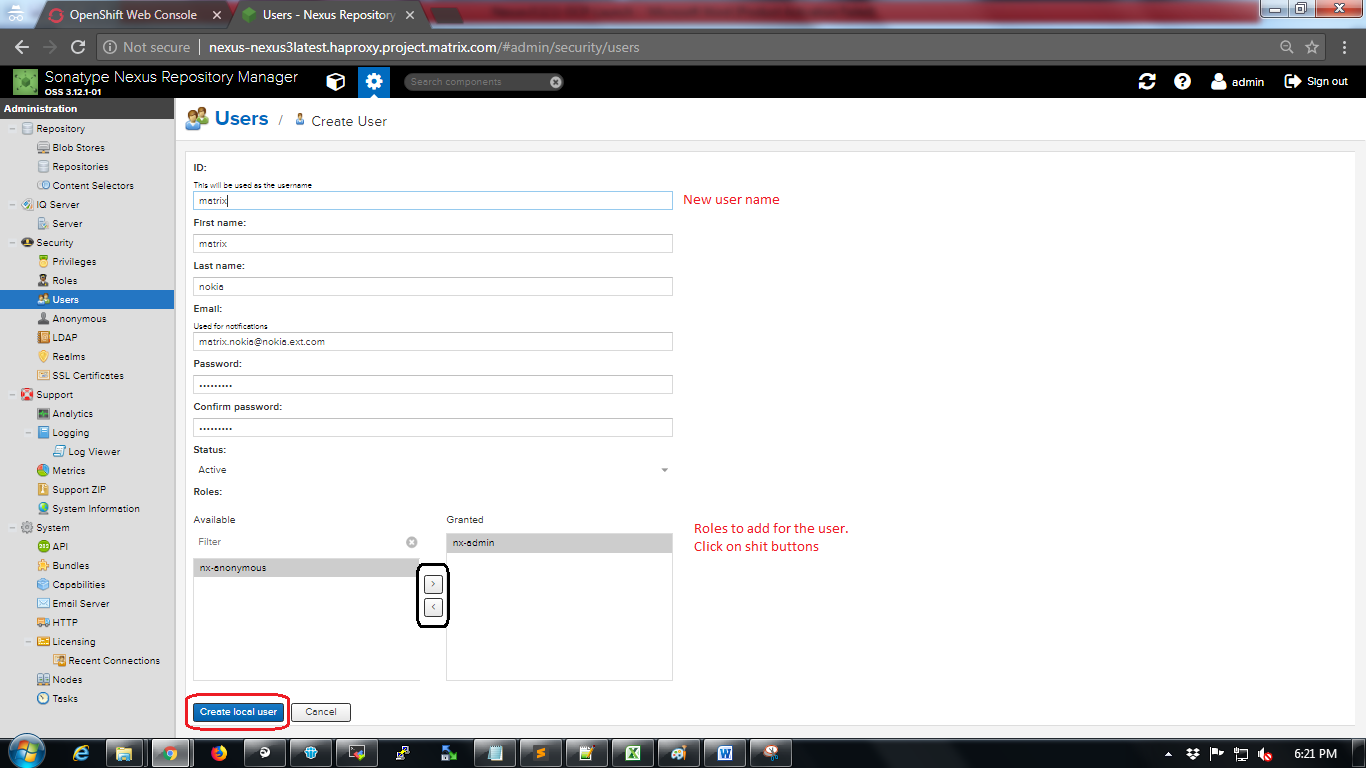


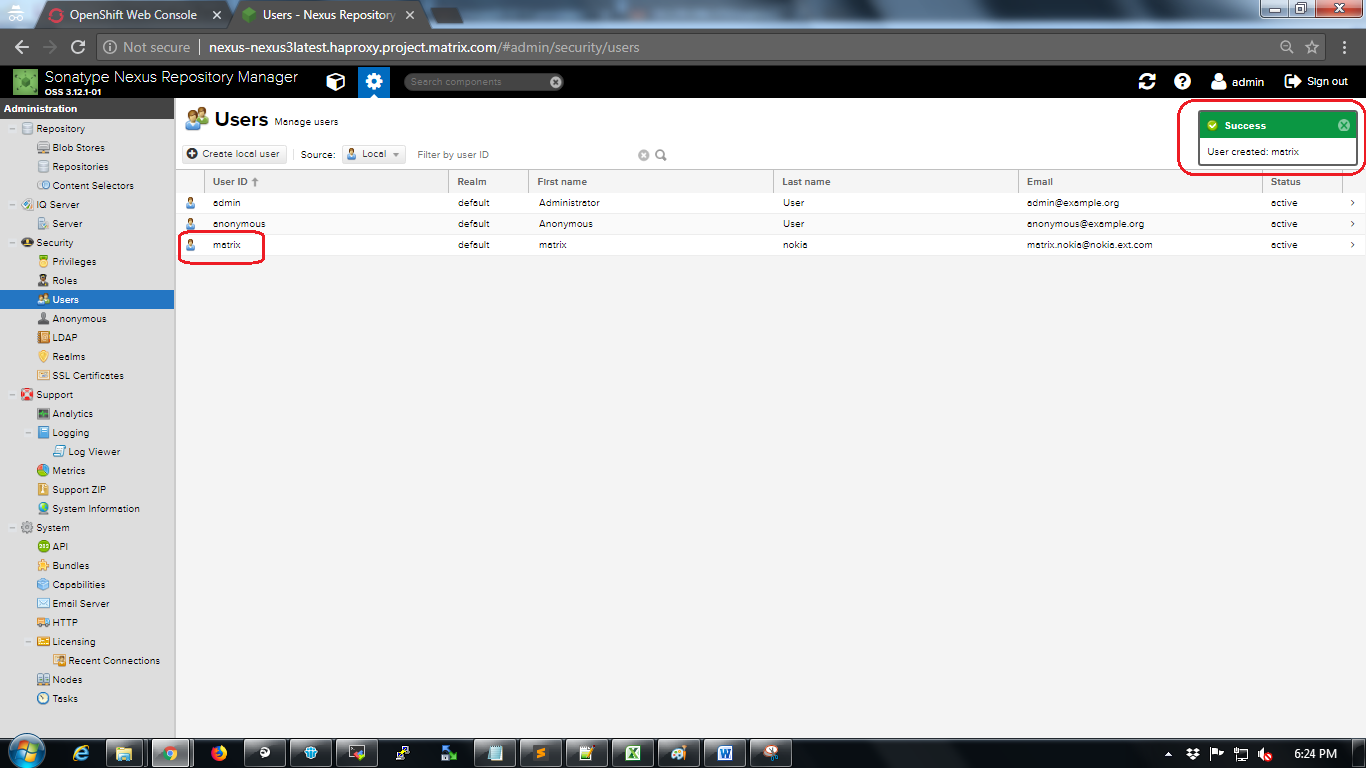
Click on “Create local user”



Provide information in the mandatory fields and click on “Create local user” button.

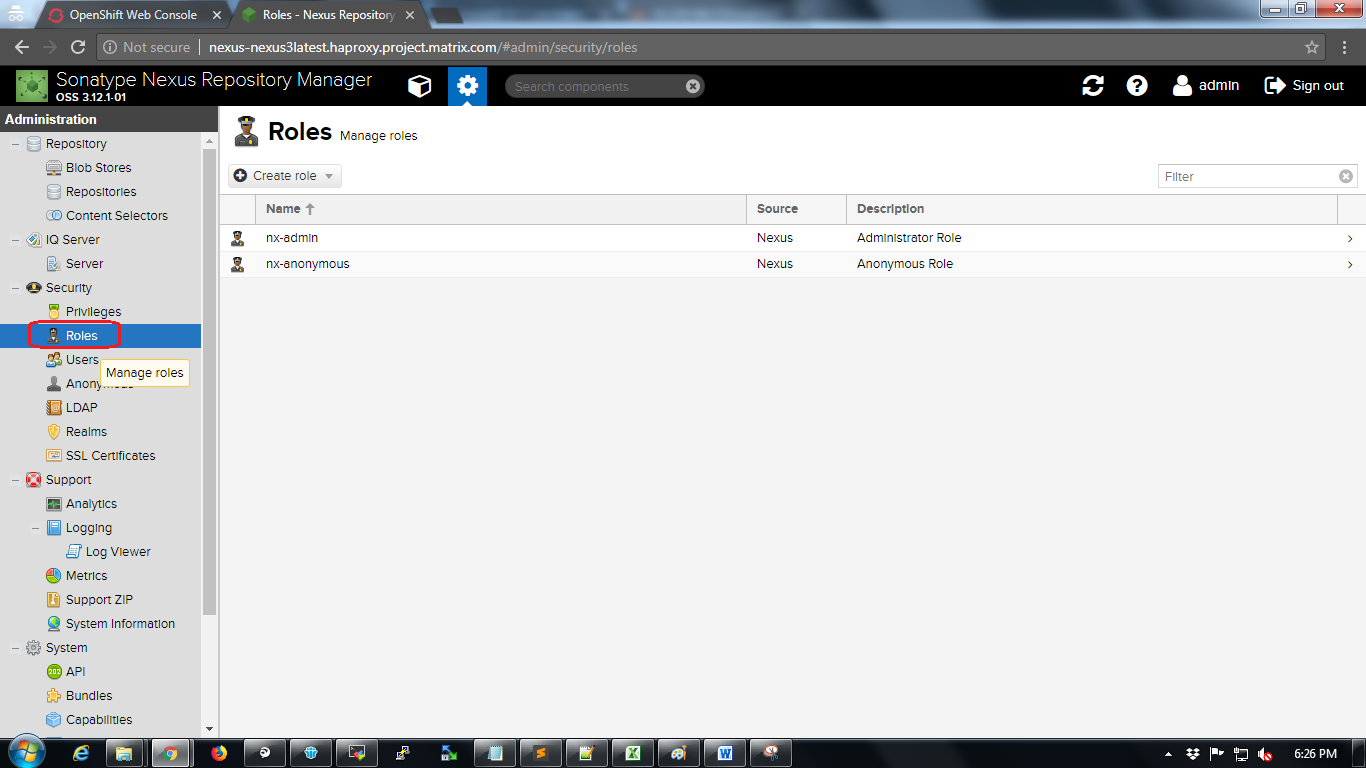
Refer screenshot below for sample configuration.



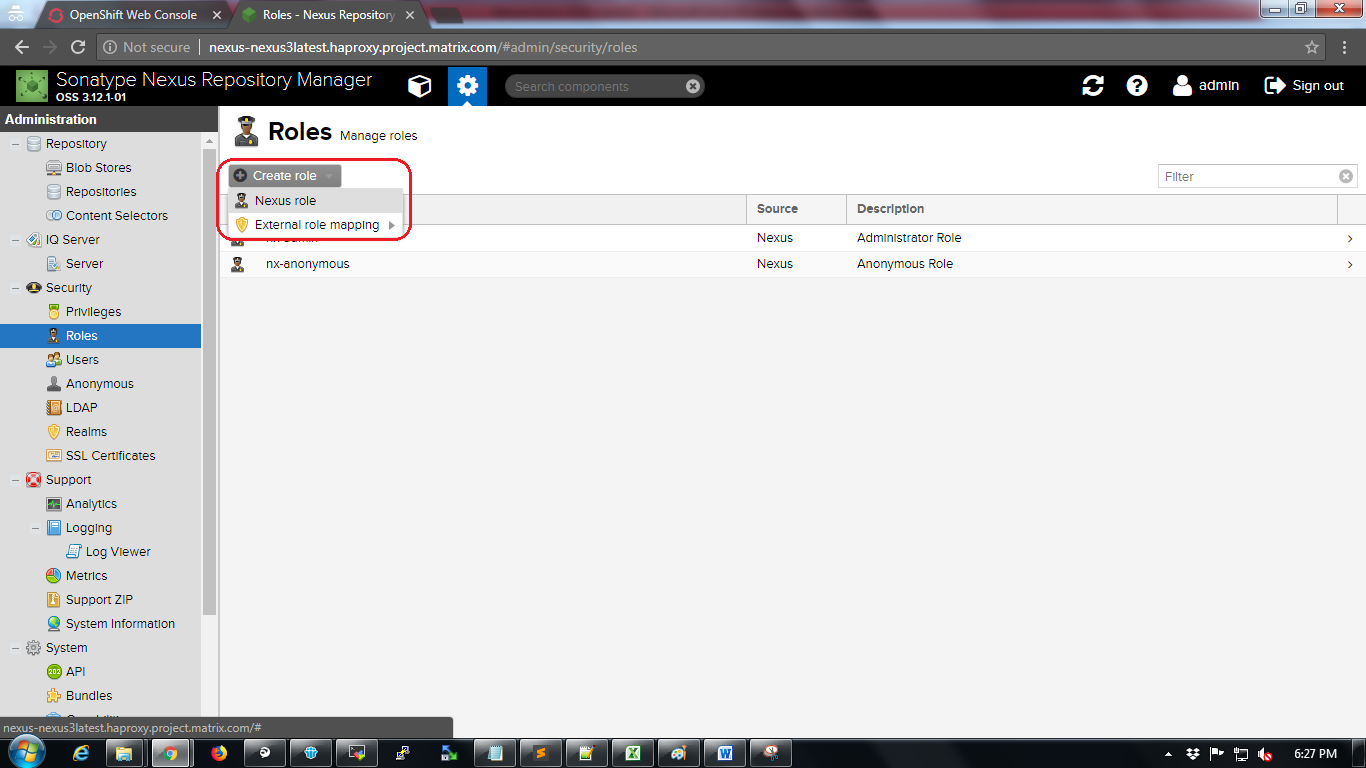


Create Roles for new user.

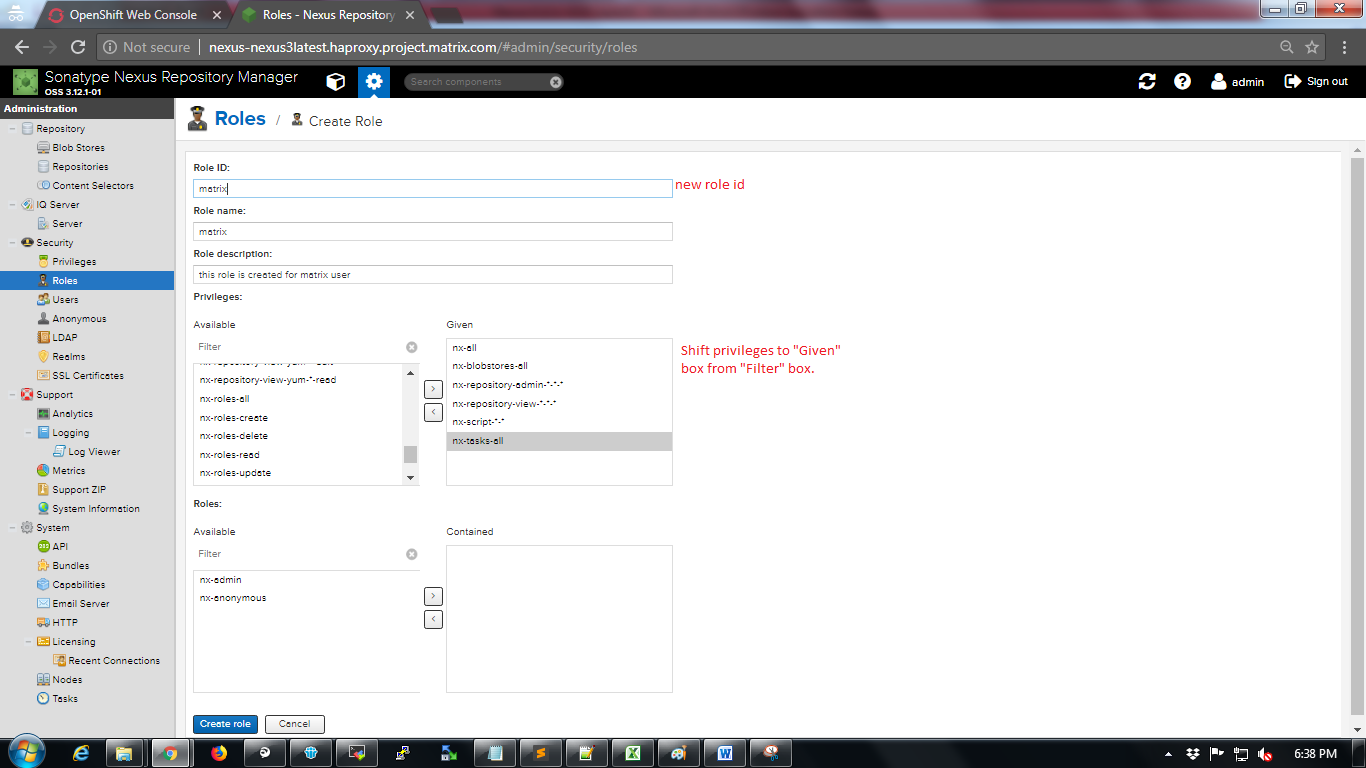
Click on “Roles” option



Click on “Create role” dropdown and select Nexus Role

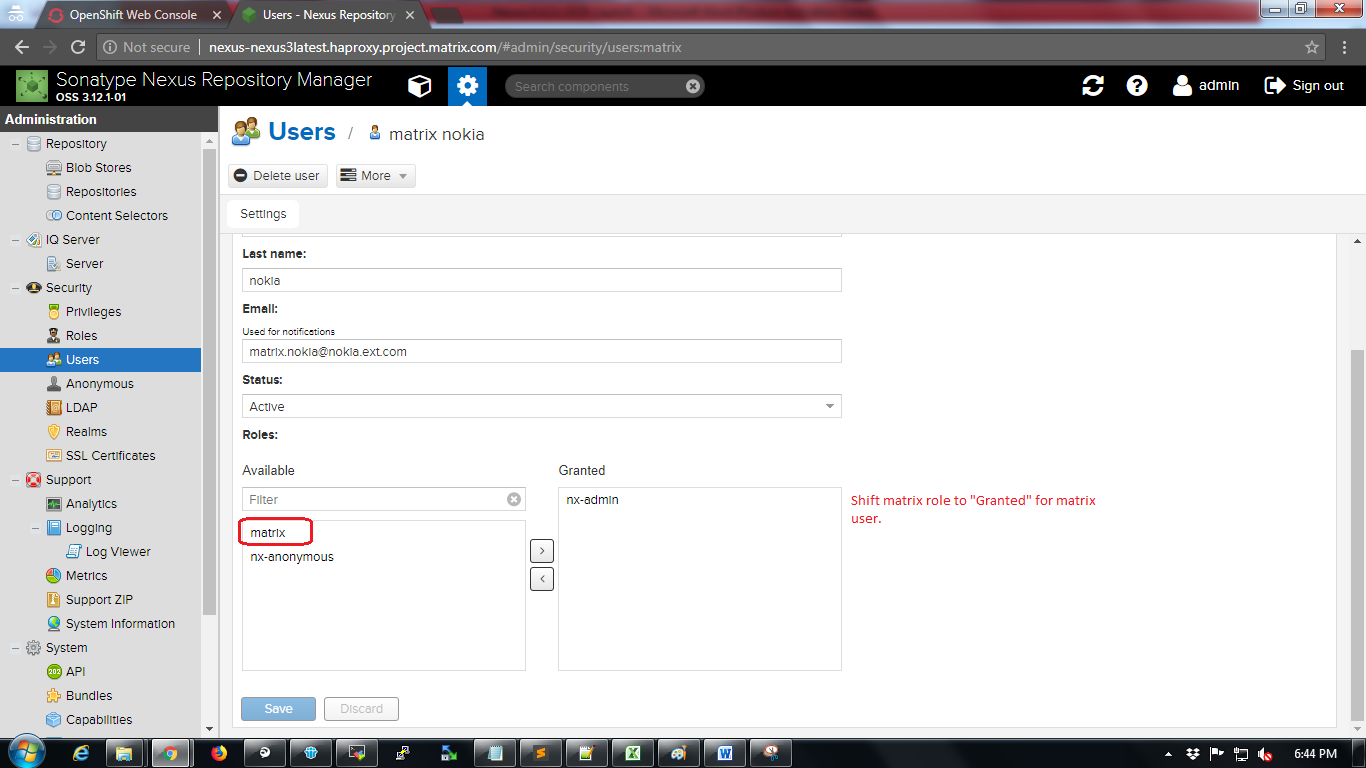


Configuring role and adding privileges to the role as shown in below screenshot and click on “Create role”.

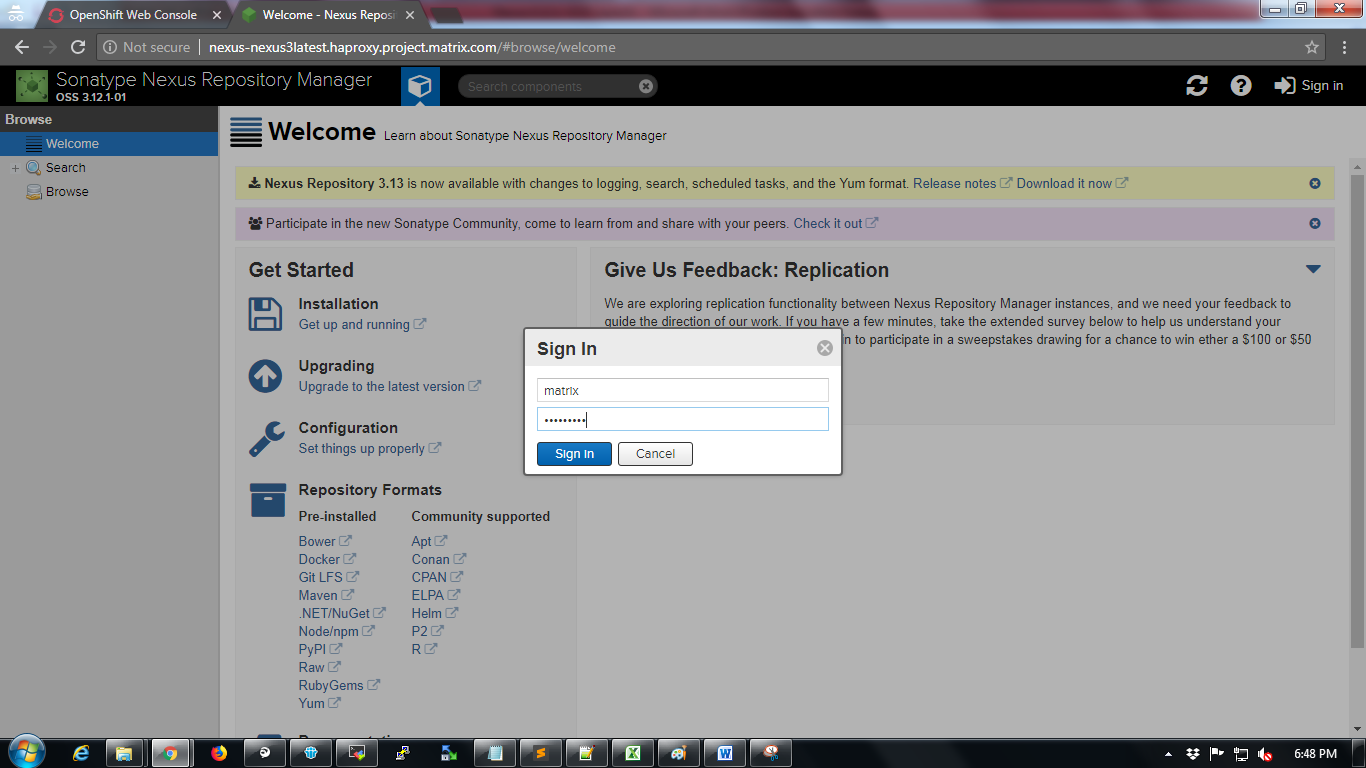


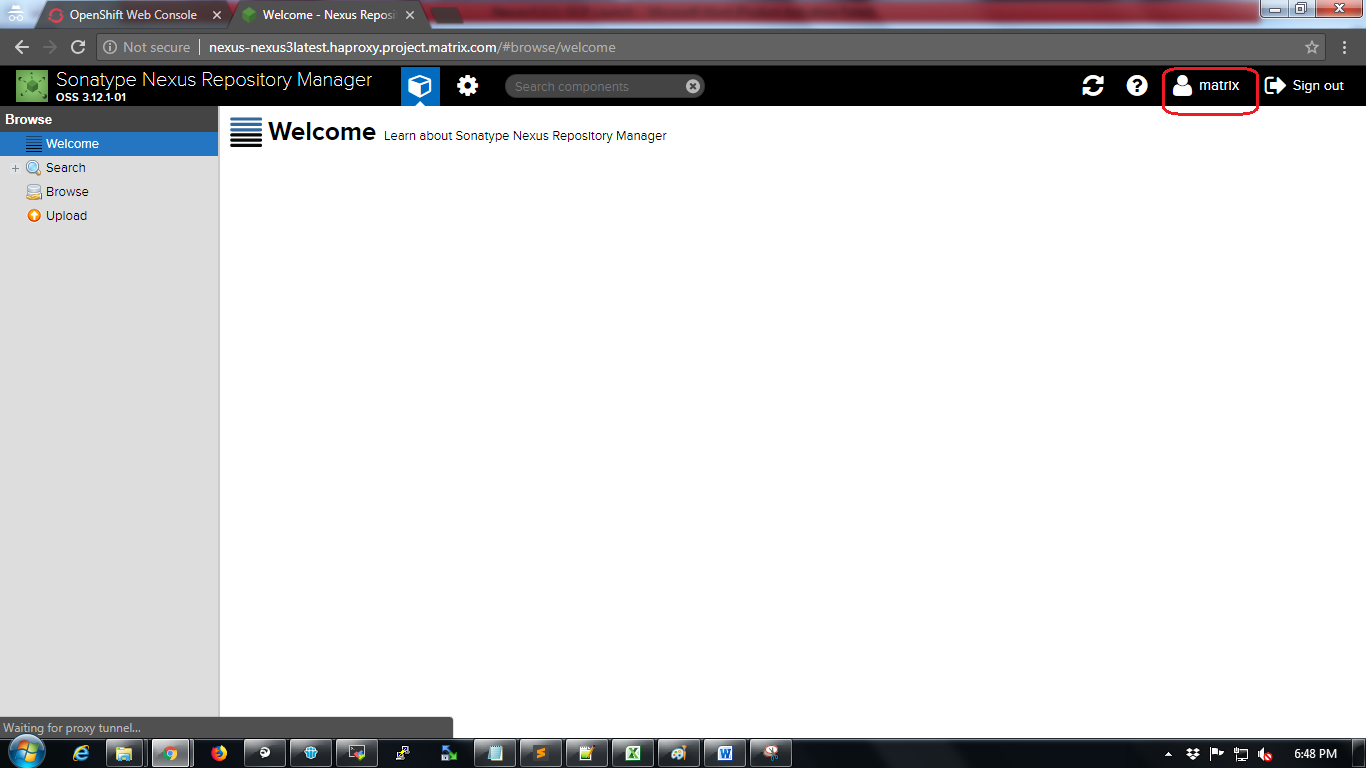
Click on “Users” option again and click on new user name “matrix”. Assign new role to new user.

Click on “Save” button. User updated successfully popup will be displayed on top right of the screen.



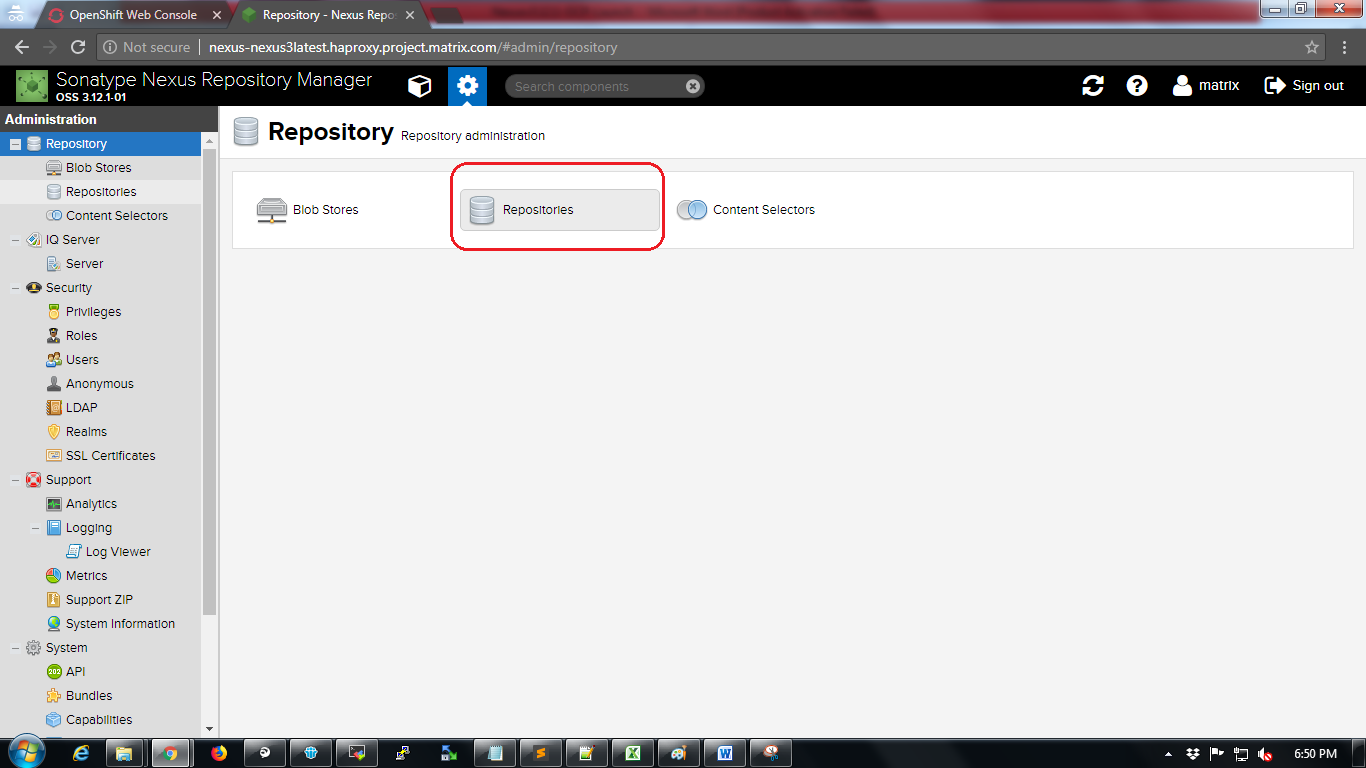
Sign out from admin login and login using new user name and password



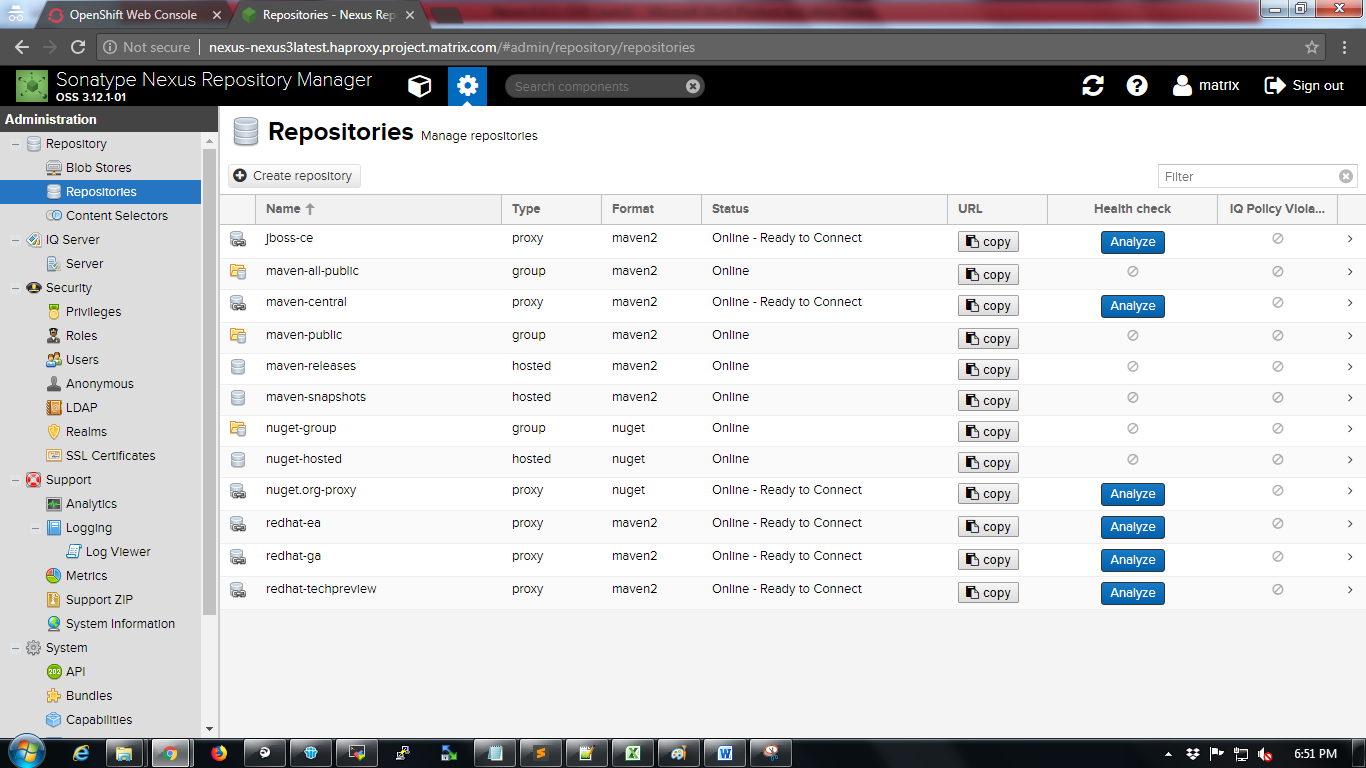


To verify that user has enough permission to create repository

Click on settings icon 

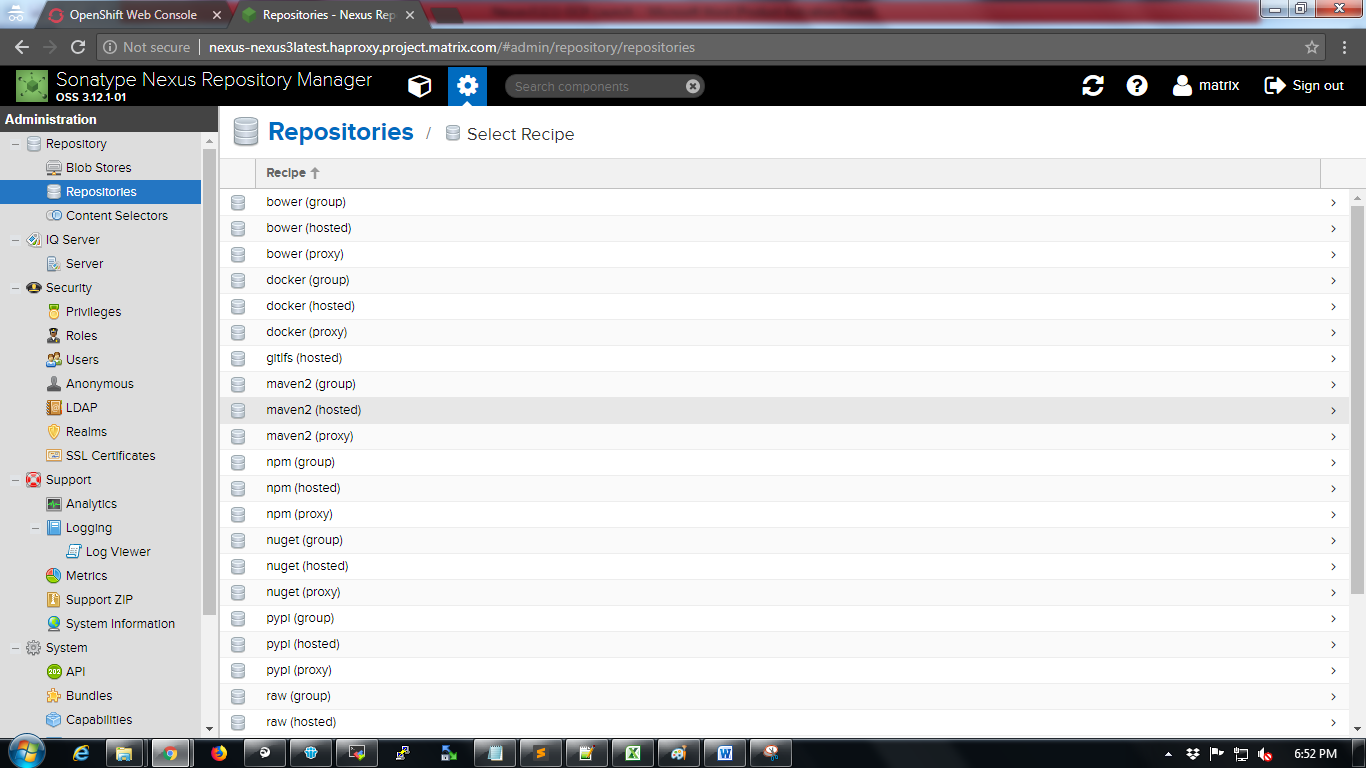


Click on “Create repository” button

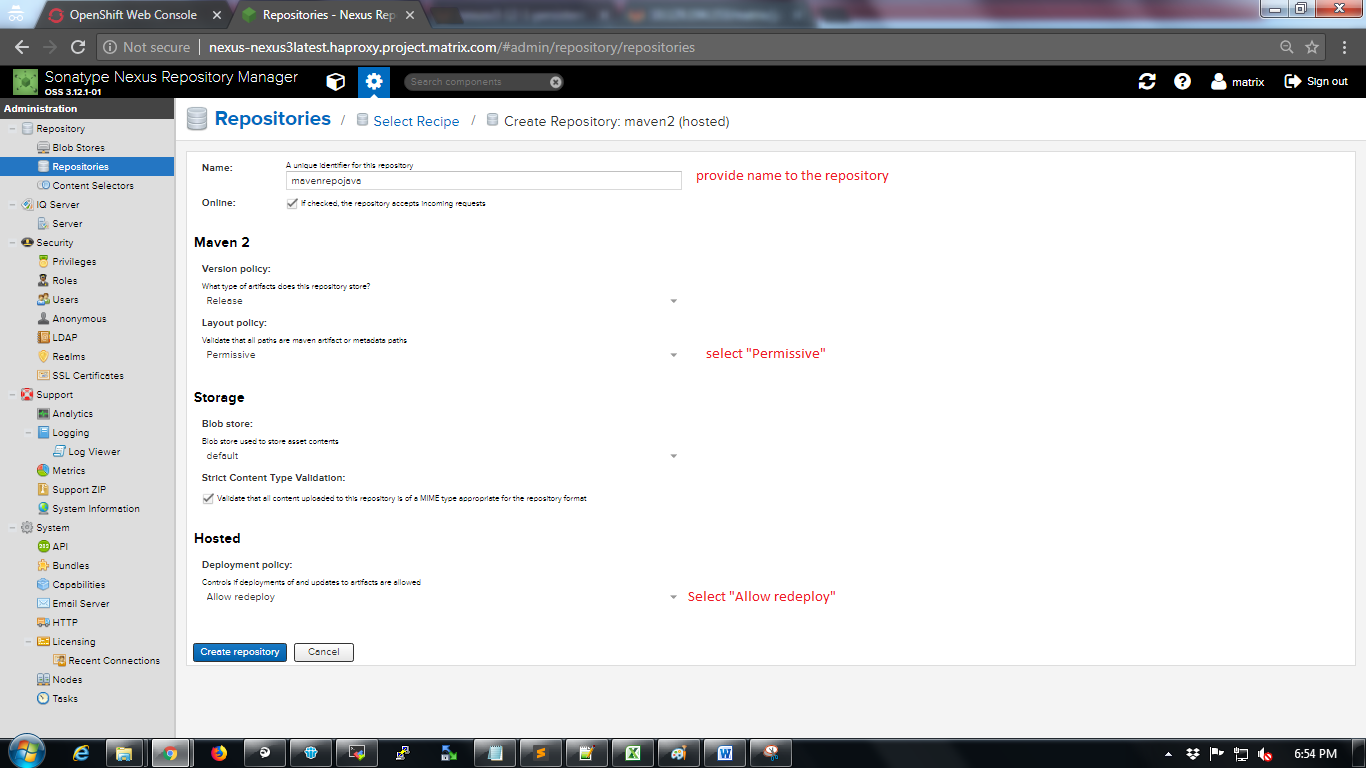


Select any repository type

Eg: maven2 (hosted)

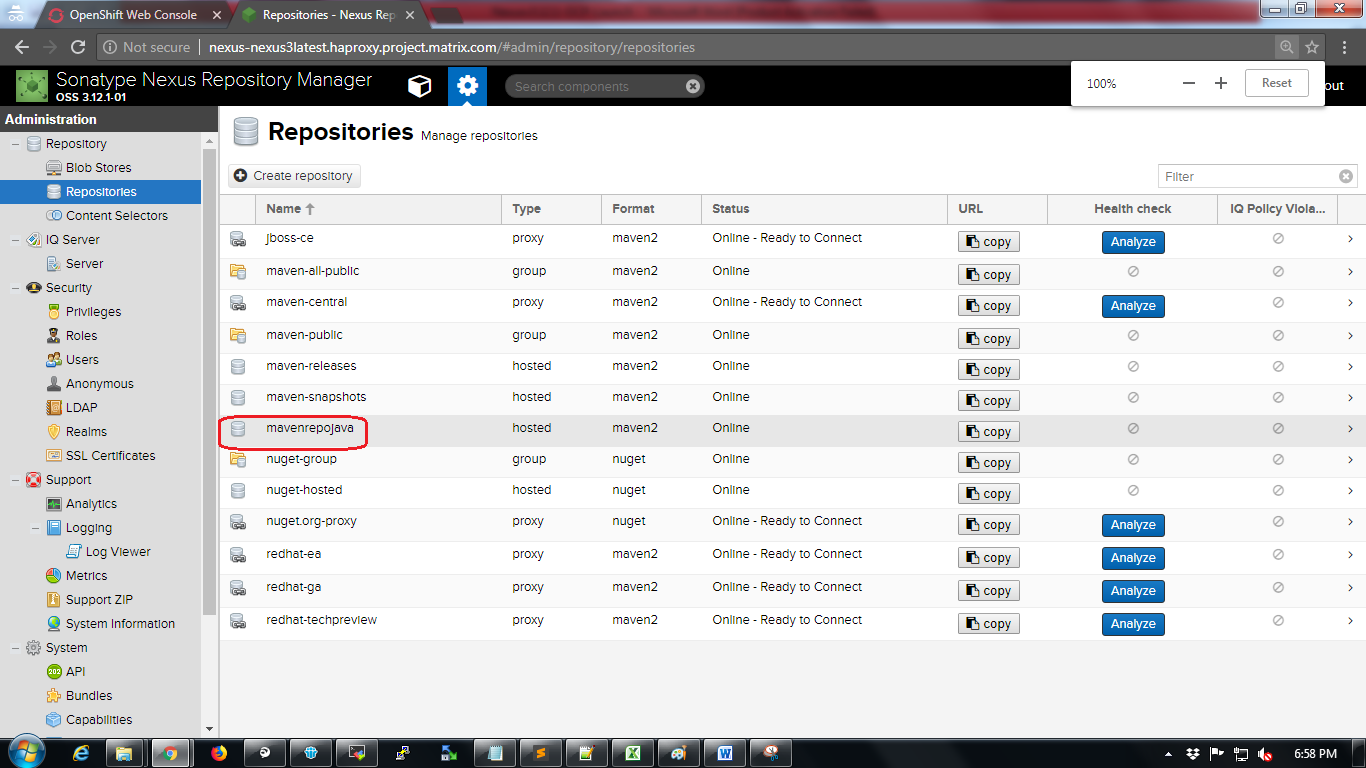


Configure new repository



Click on “Create repository” button.

New repository will be created.



So it is verified that User has enough permission to create repositories.