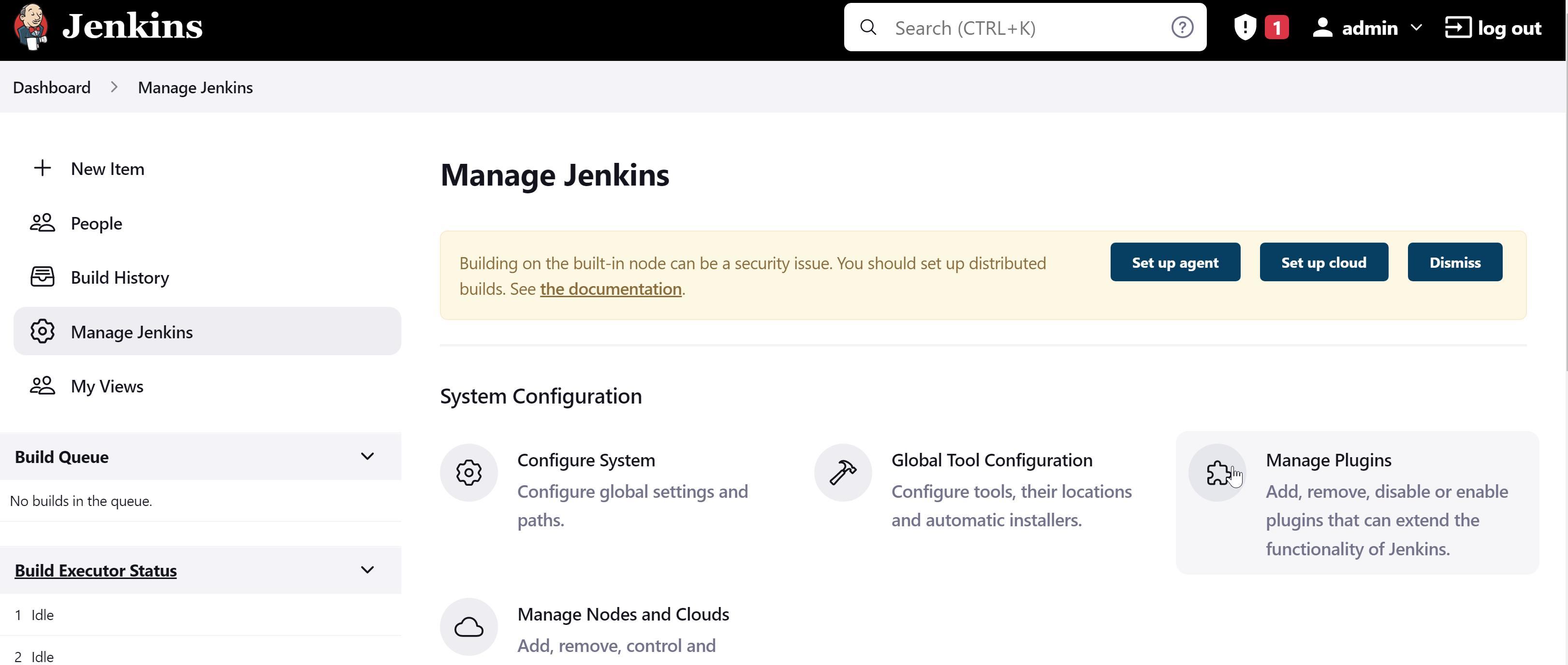
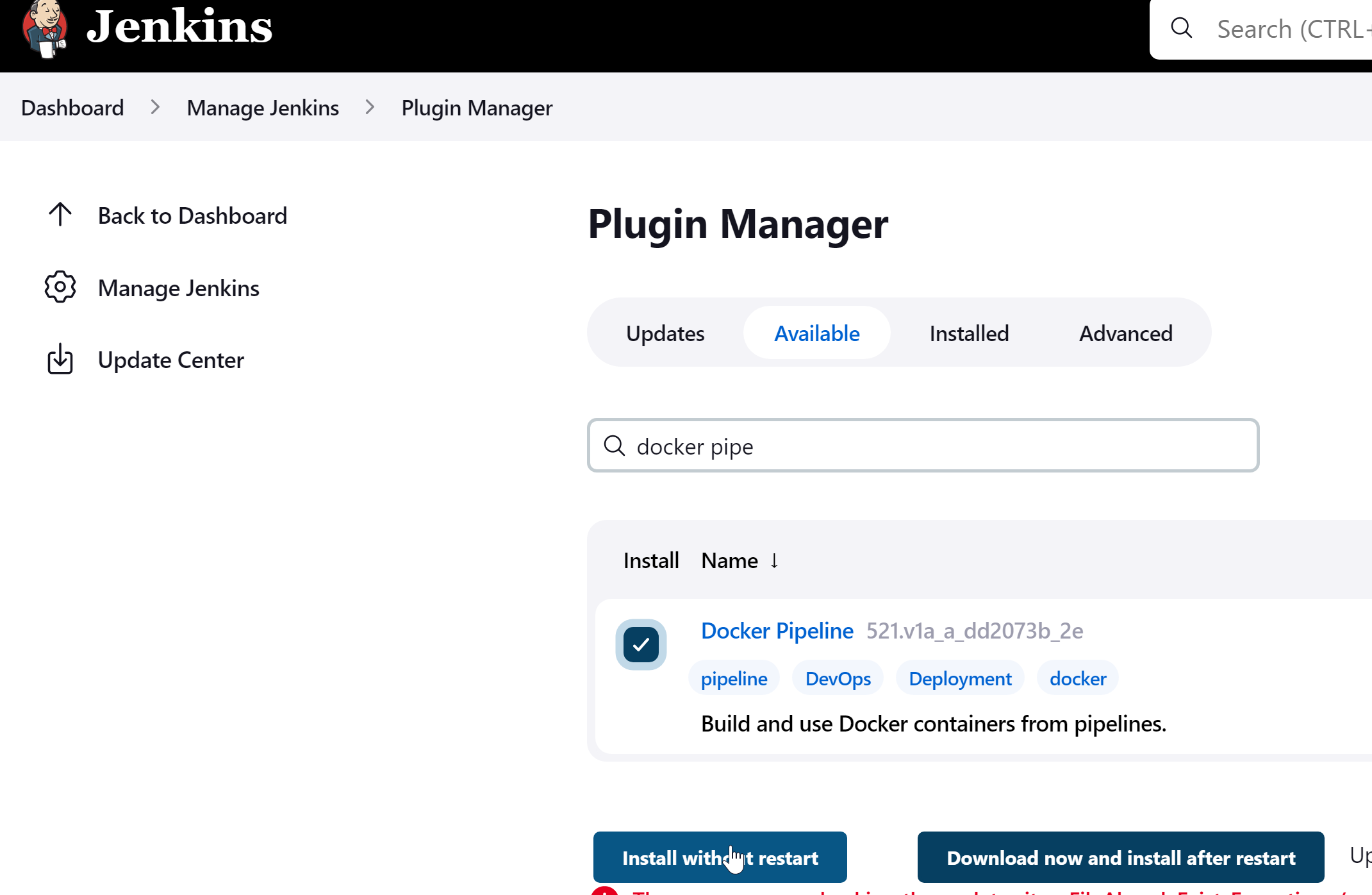
* **Install docker and docker pipeline plugins for Jenkins. Example of docker pipeline plugin below**





And restart Jenkins from GUI

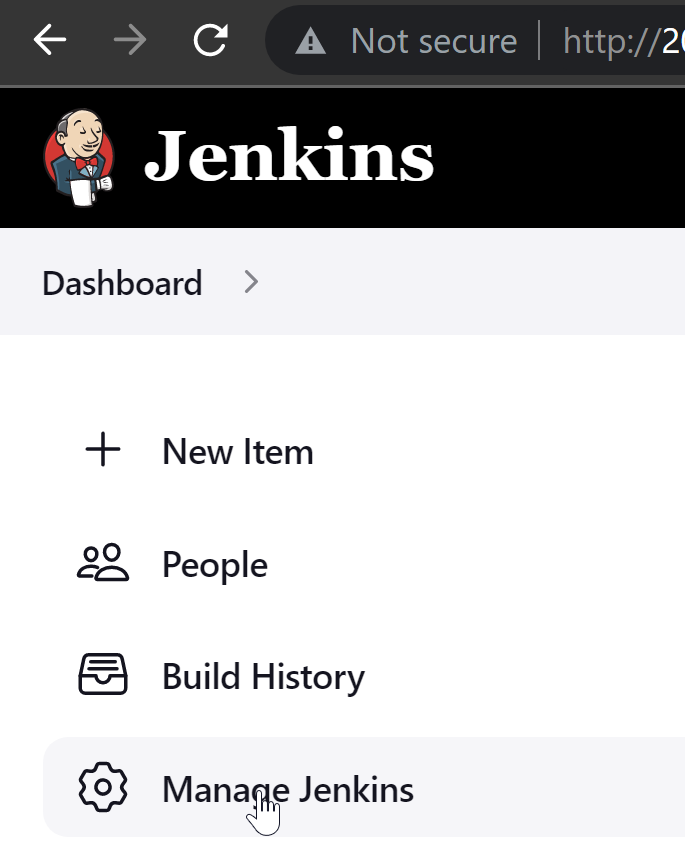
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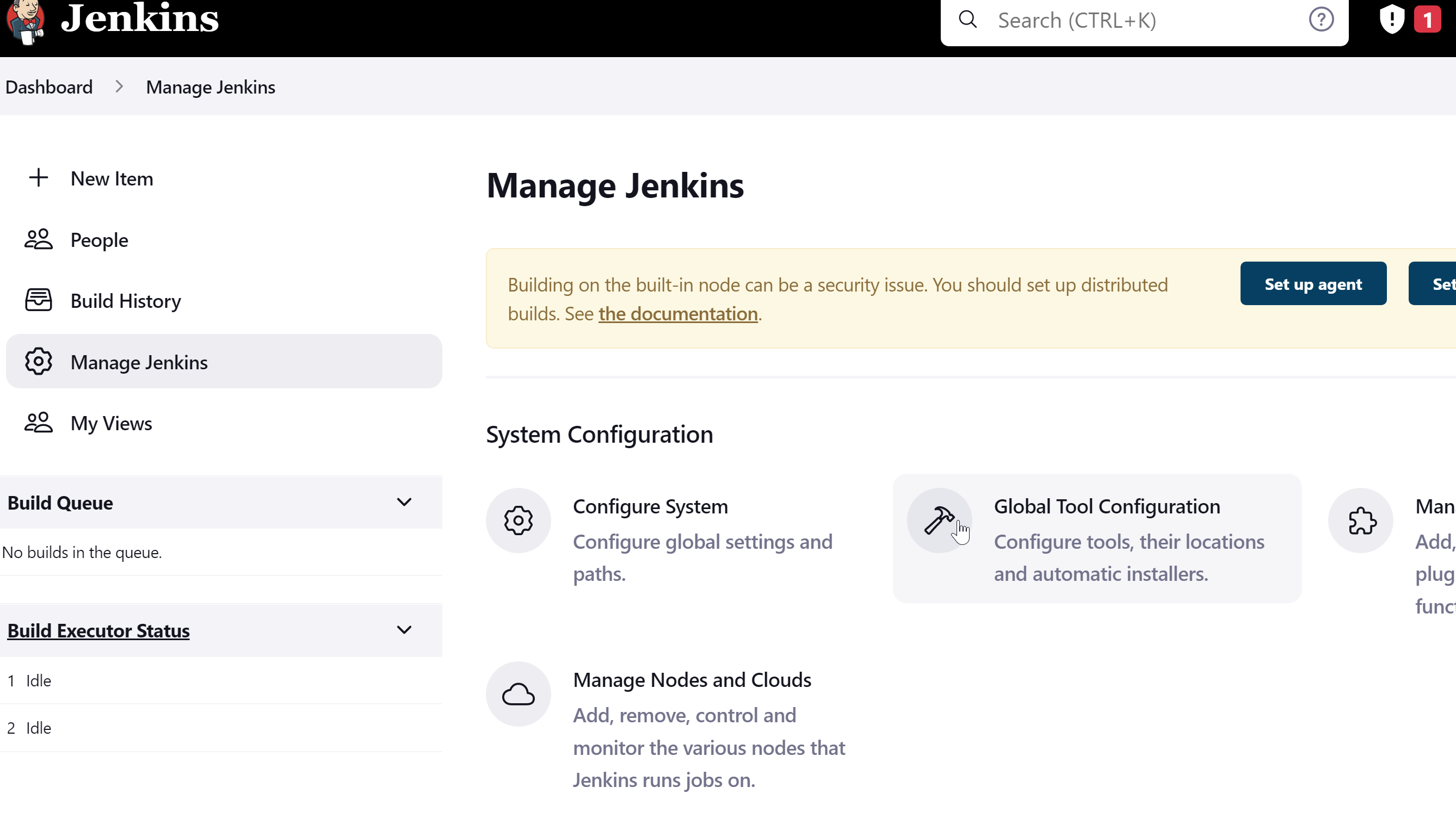
* **Configure JDK**

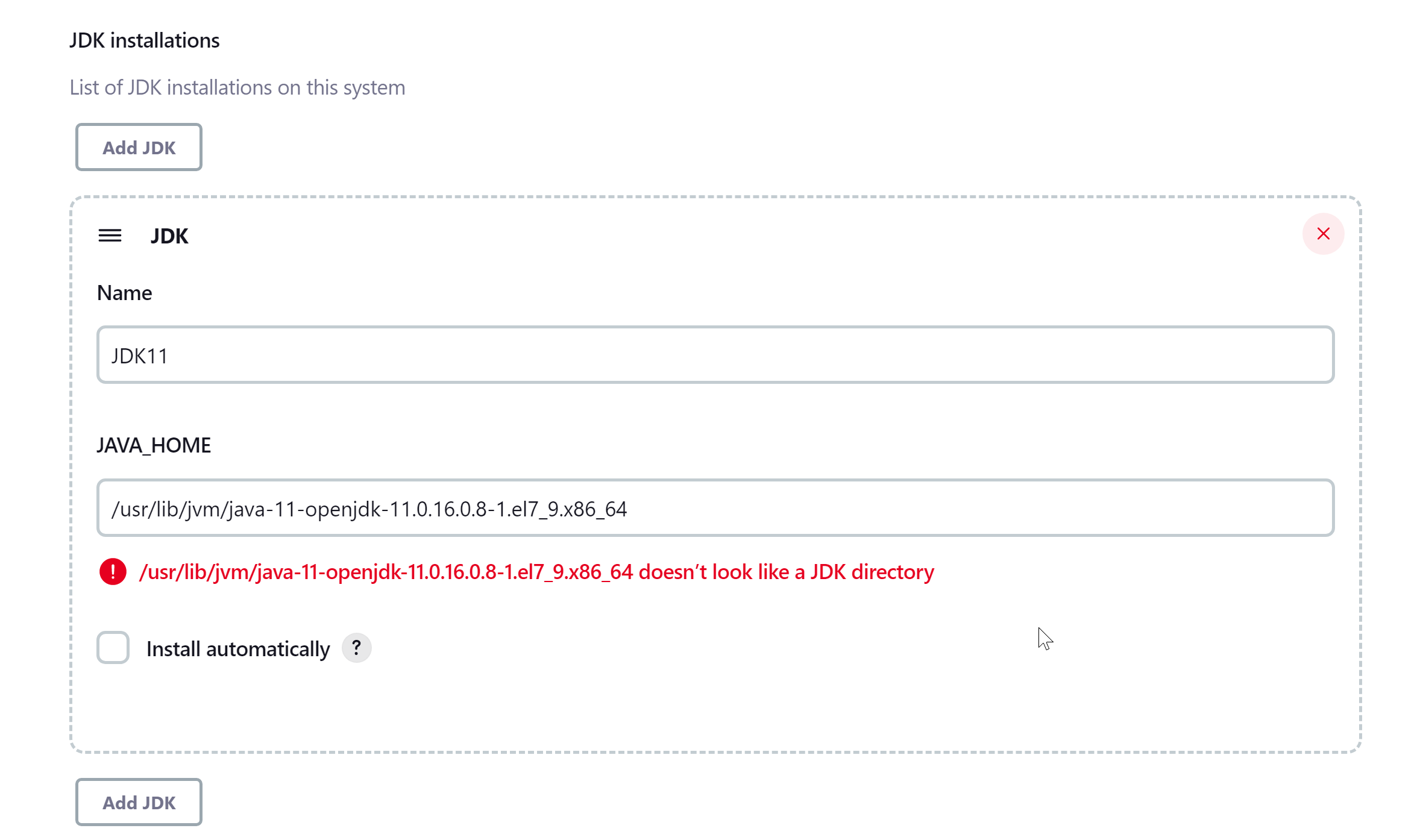
To find out the java path , use below

rahul@jenkins-server1:~$ sudo find /usr/lib/jvm/java-1.\* | head -3

/usr/lib/jvm/java-1.11.0-openjdk-amd64



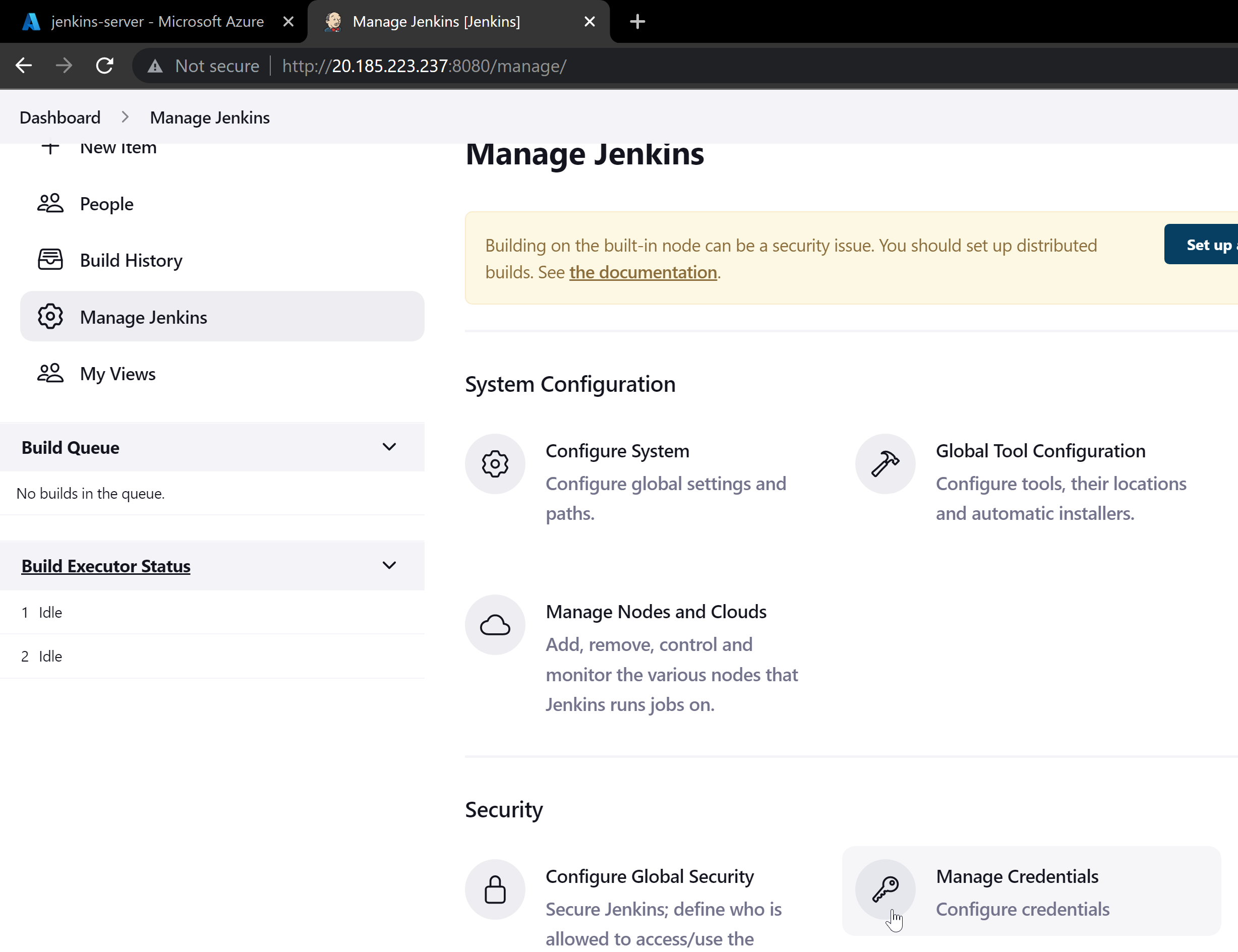


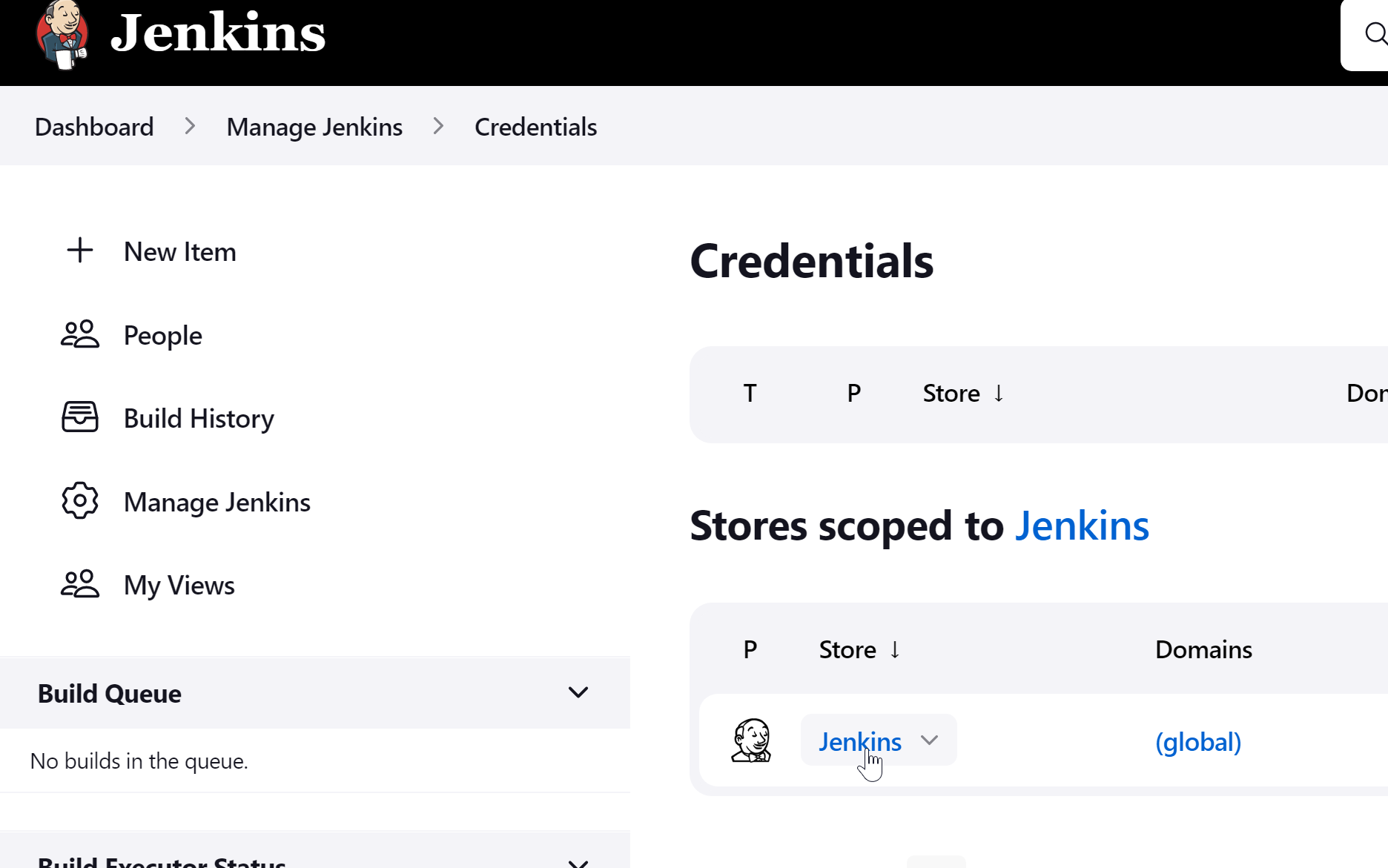


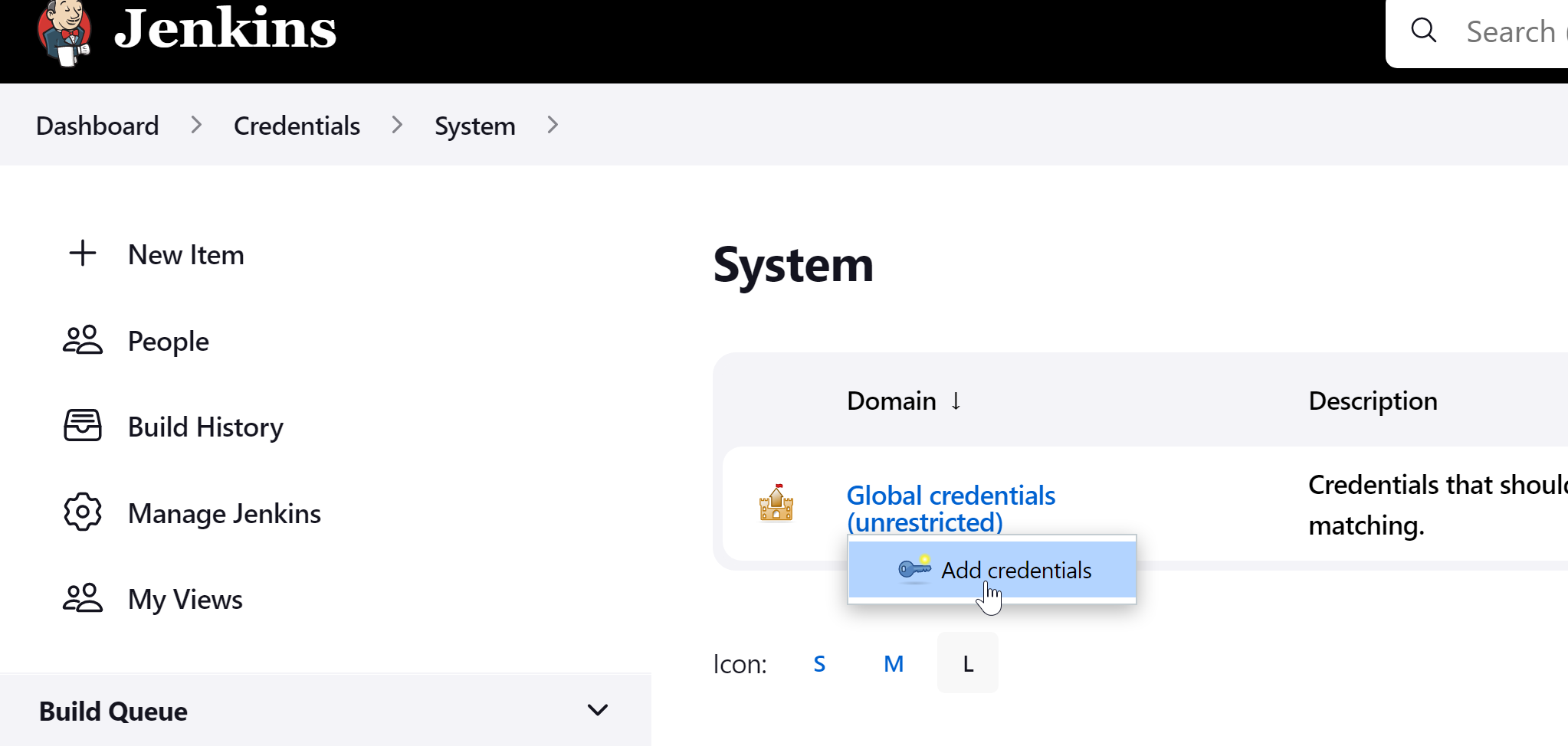
Finally click on Save

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* **Input ACR Credentials**







Run below to get ACR Credentials

PS C:\Users\The Cosmos\Desktop\Tech\Python-Restapi-Azure-AKS\AKS Cluster> az acr credential show --name reg0001

{

"passwords": [

{

"name": "password",

"value": "IqsfEyLWS1FF6=Bc39xk+DDU6EgIbht/"

},

{

"name": "password2",

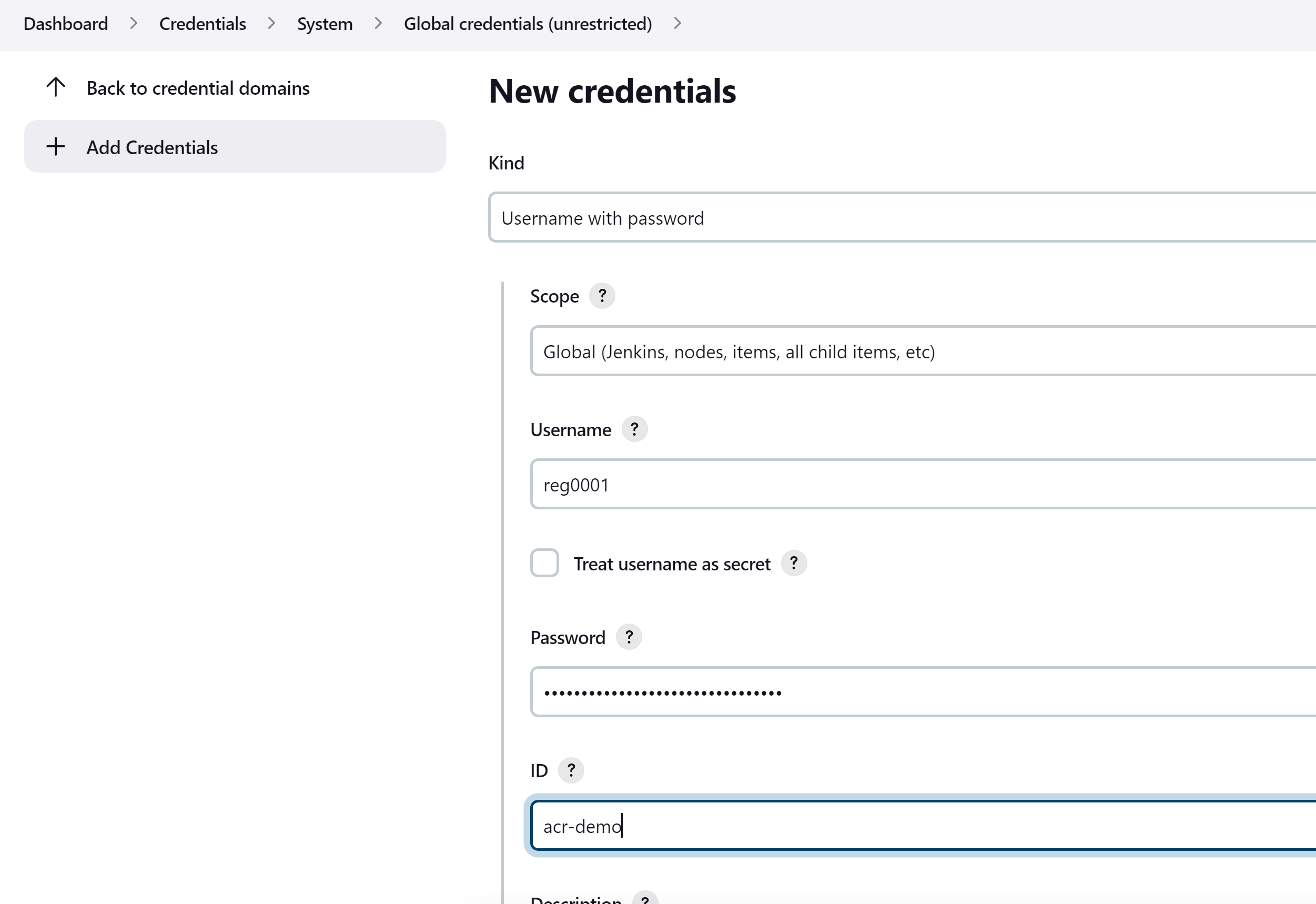
"value": "UQXR=H2q1vmB7UxFPy0RUQCJ0z5qB7GD"

}

],

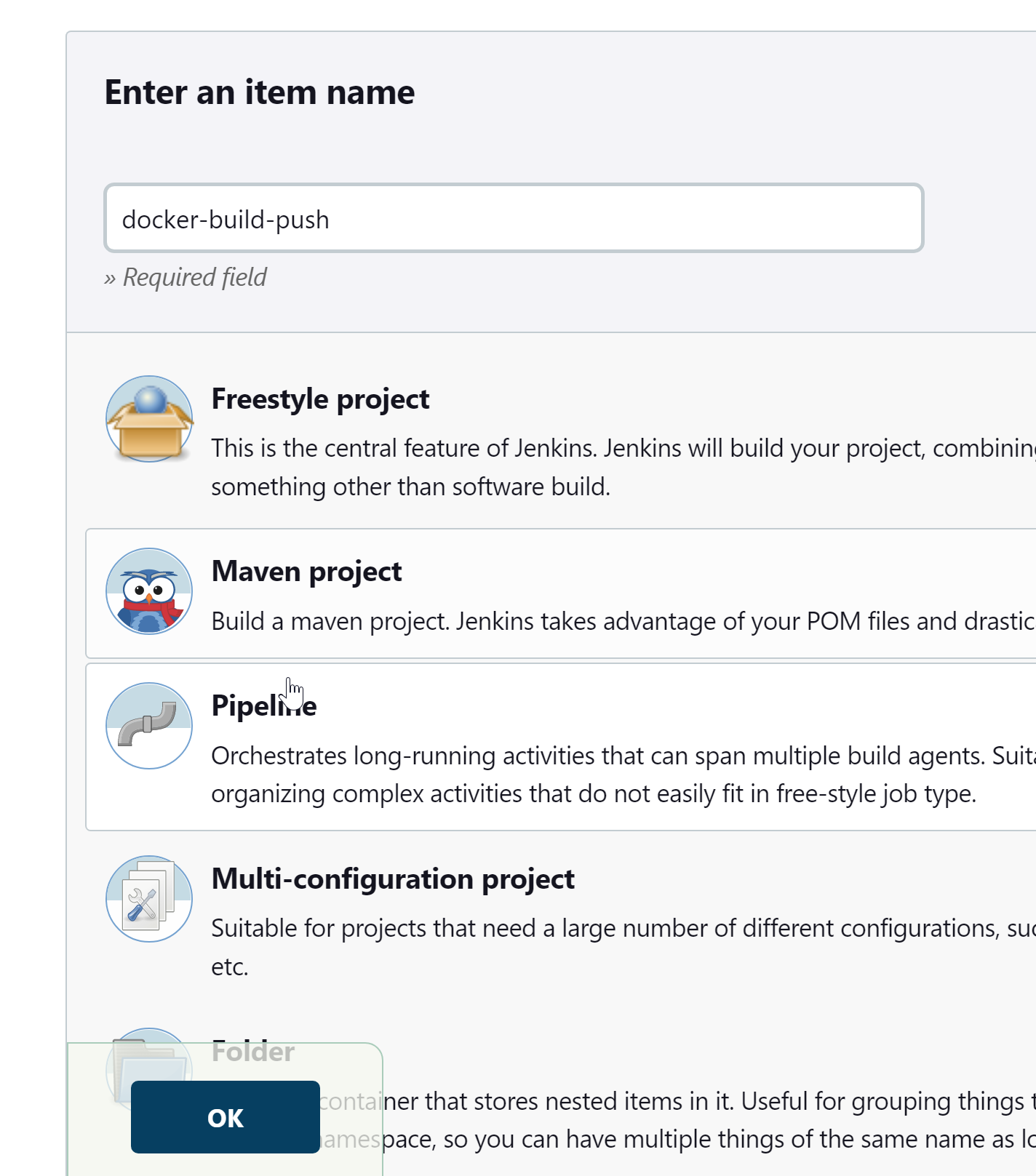
"username": "reg0001"

}

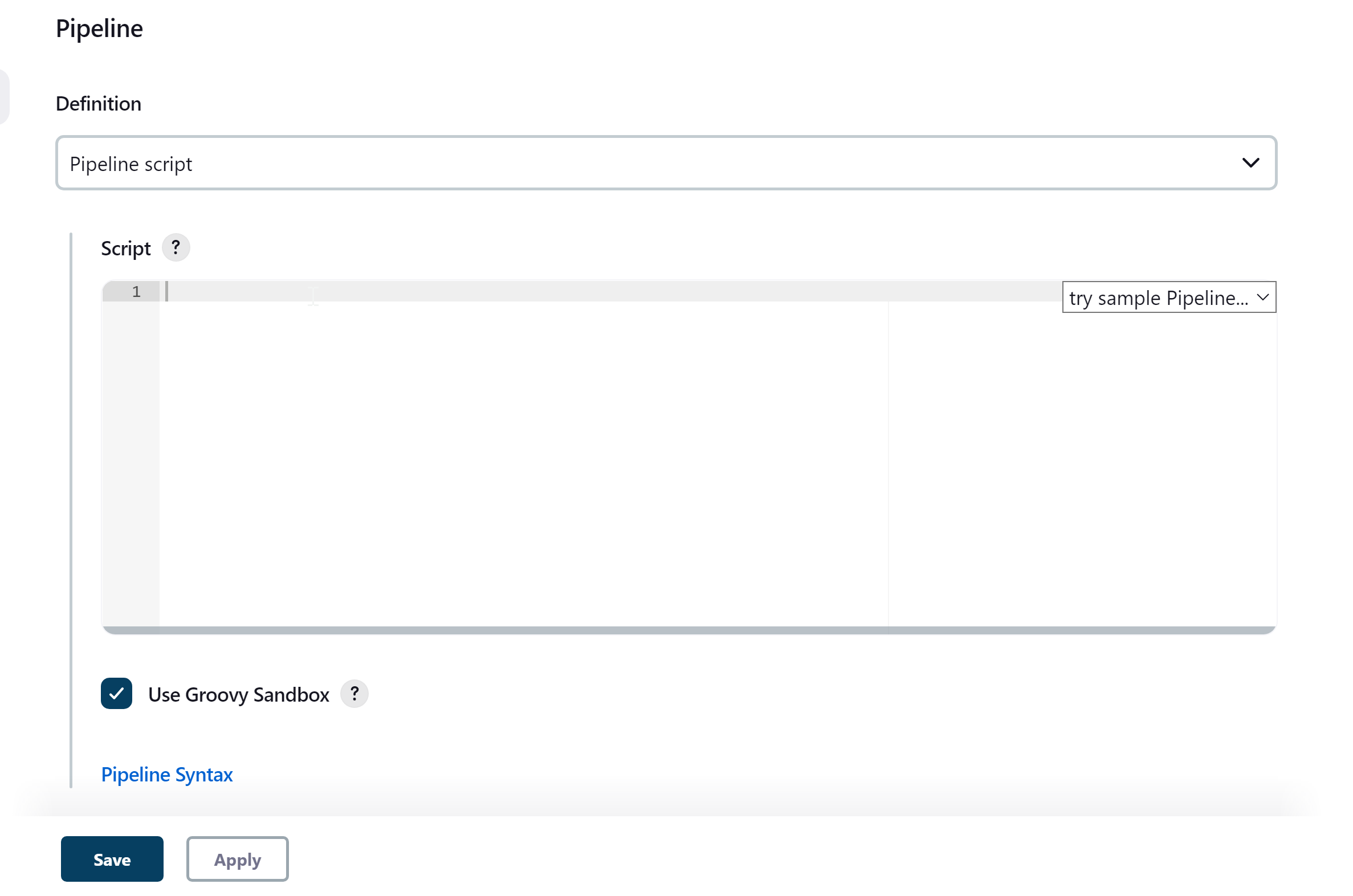


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* **Create the Build / CI pipeline for code checkout from GitHub, build the image and push this image to ACR**

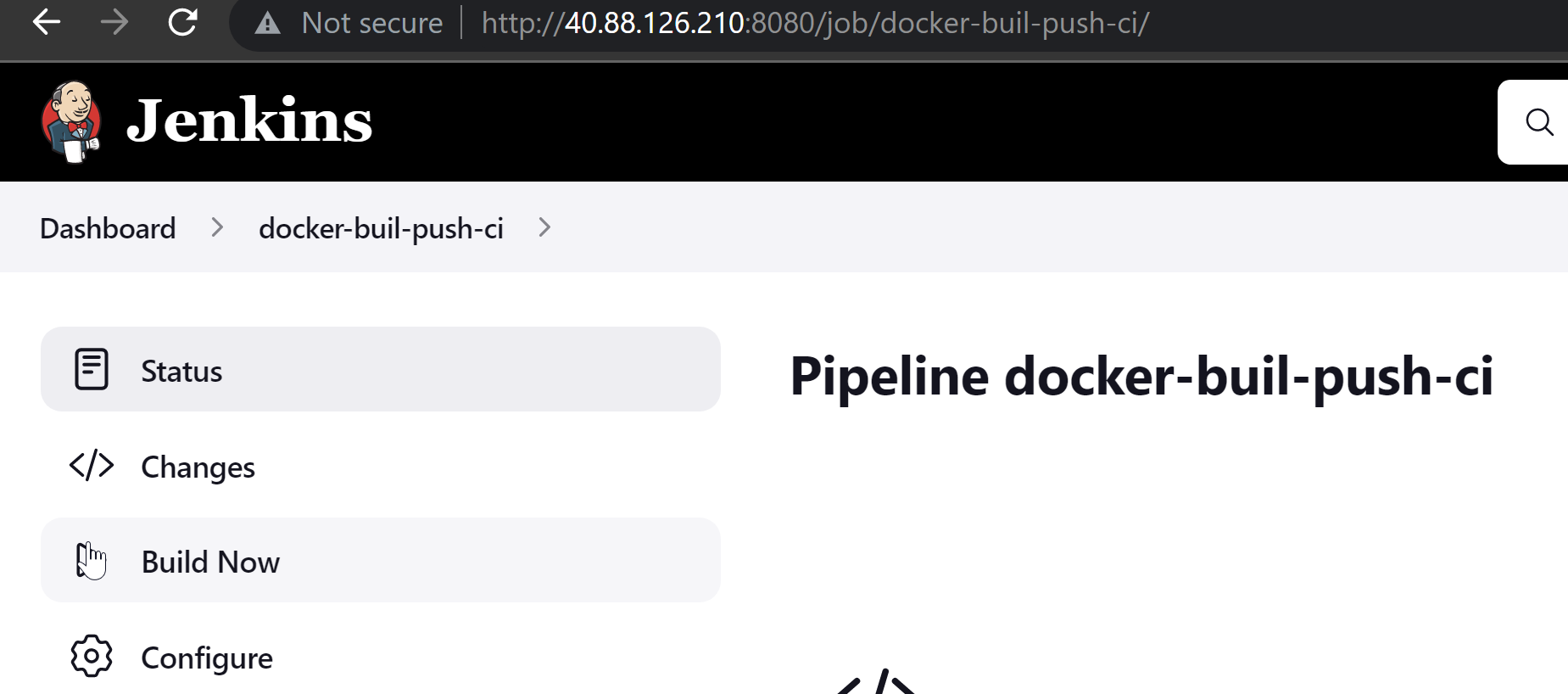


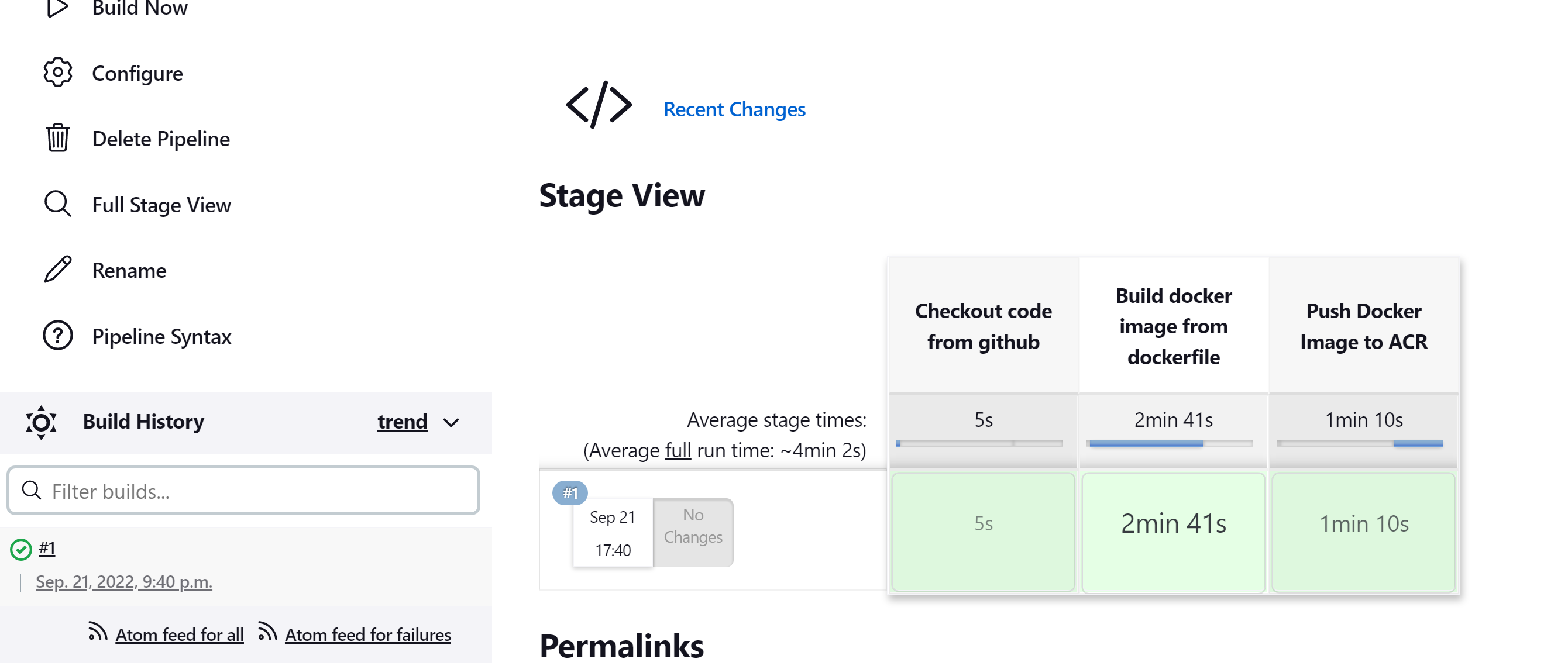
Write below declarative pipeline and Apply > Save



Click Apply > Save

Finally Build the Pipeline





You should also see the image on Jenkins Server

rahul@jenkins-server1:~$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

reg0001 latest e2a5b61662a3 About a minute ago 933MB

reg0001.azurecr.io/reg0001 latest e2a5b61662a3 About a minute ago 933MB

python 3 e285995a3494 13 days ago 921MB 3 e285995a3494 8 days ago 921MB

And pushed to ACR

The Cosmos@TheCosmos:[~/Desktop/Tech/AKS/Code]: az acr repository list --name reg0001

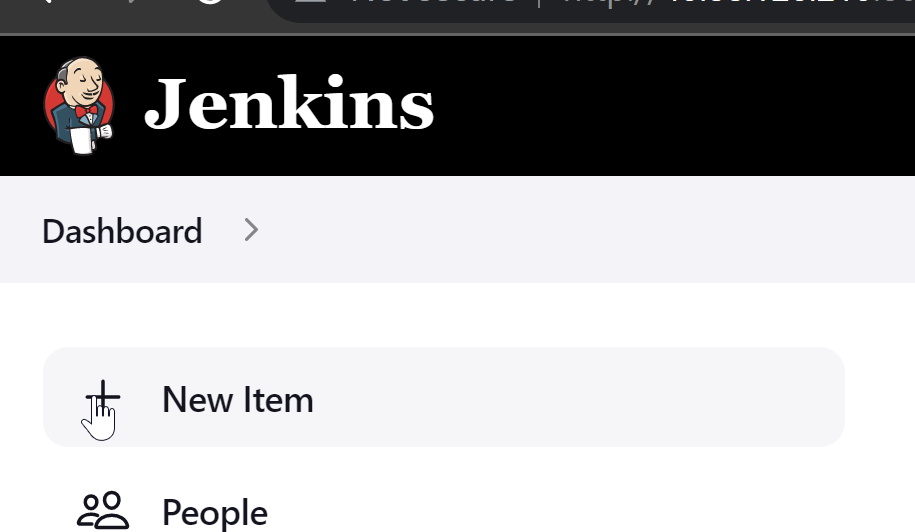
[

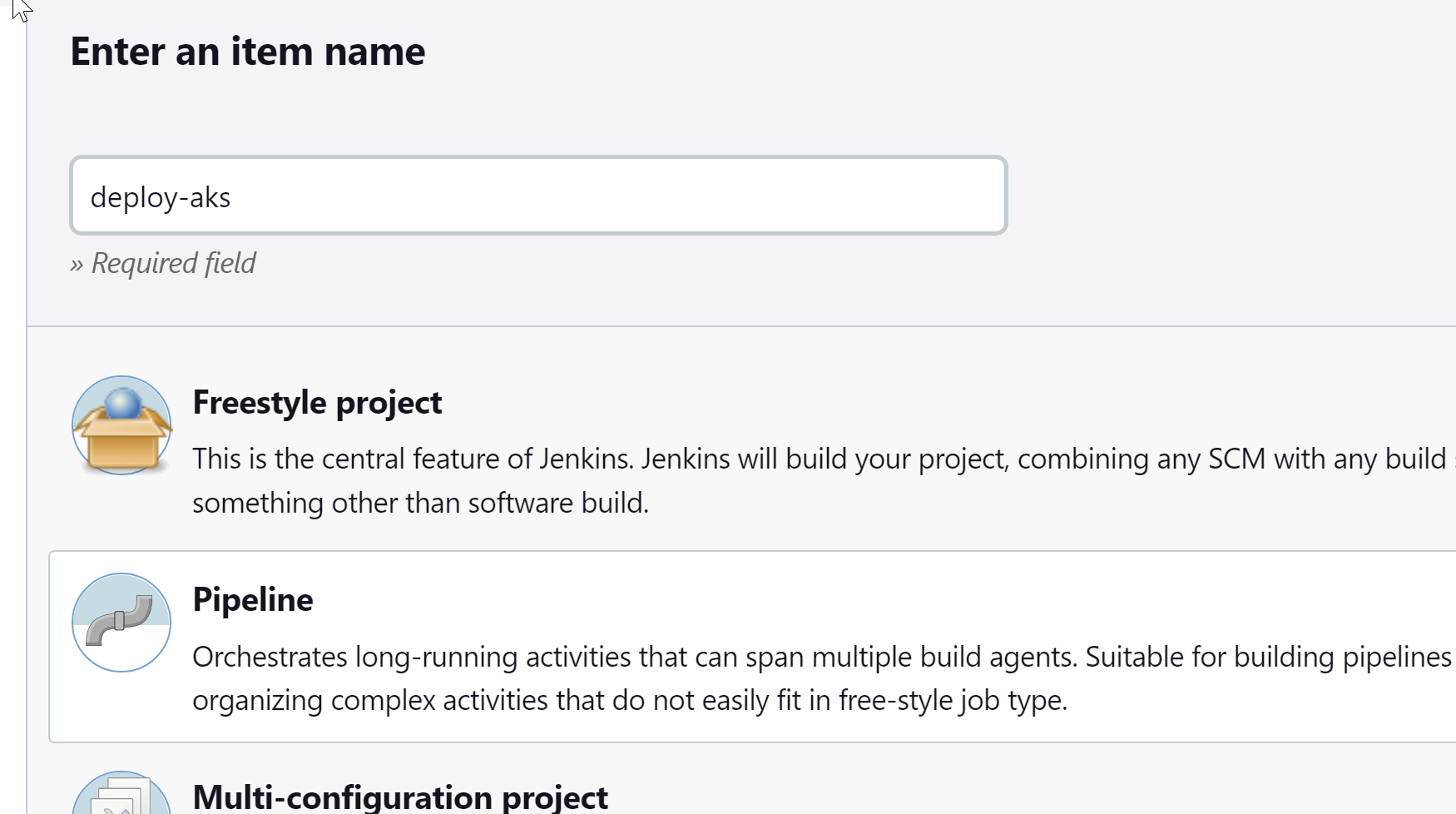
"reg0001"

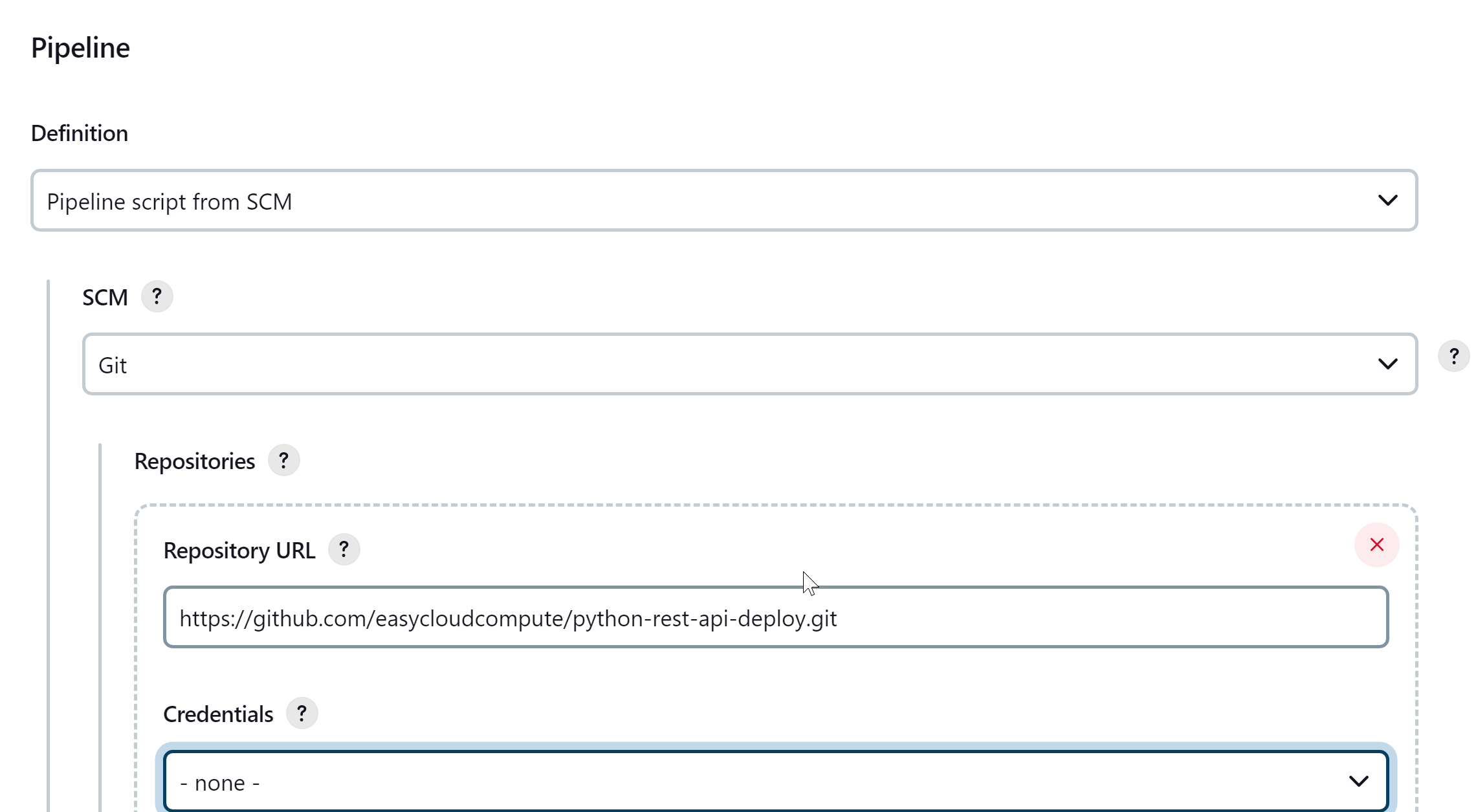
]

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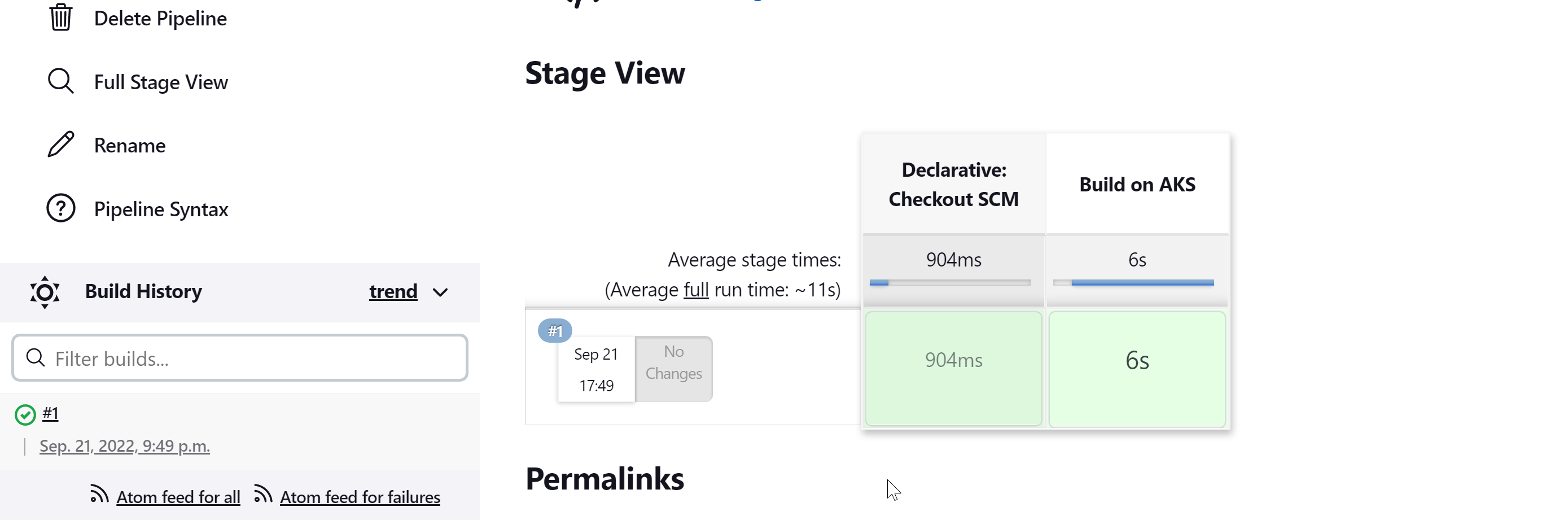
* **Create Deploy / CD pipeline to deploy the Python-RestAPI on AKS**







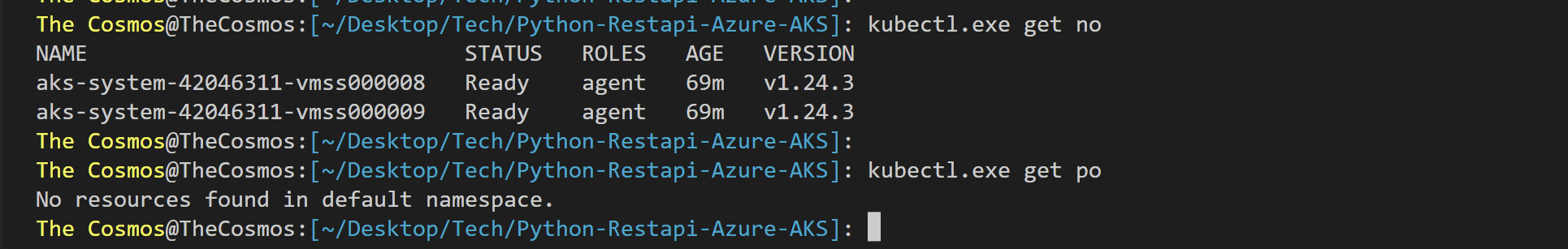
Apply > Save > Build the Job



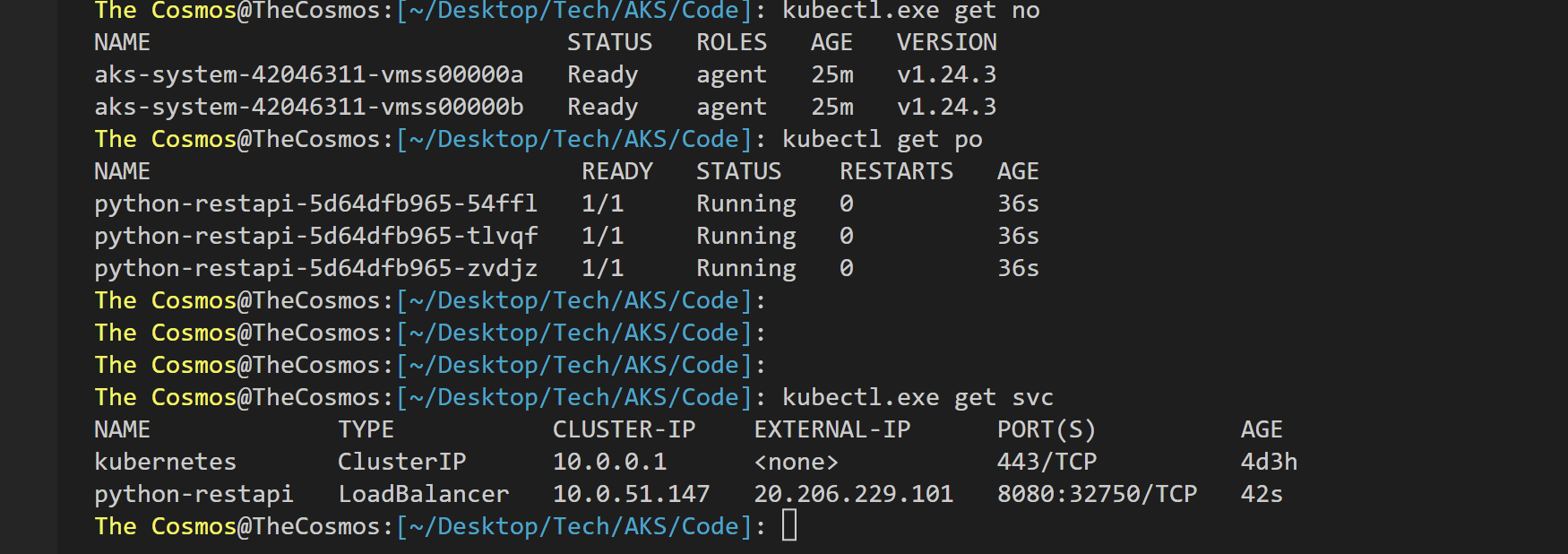
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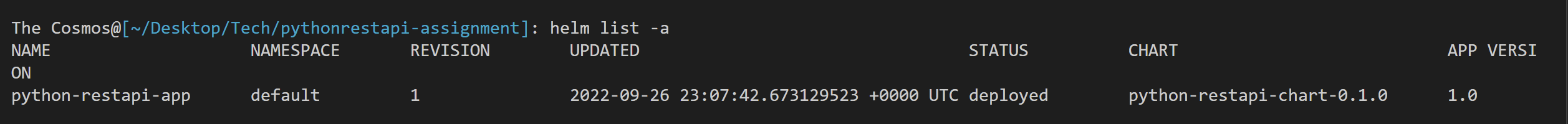
Post Verification:

Before running the job:

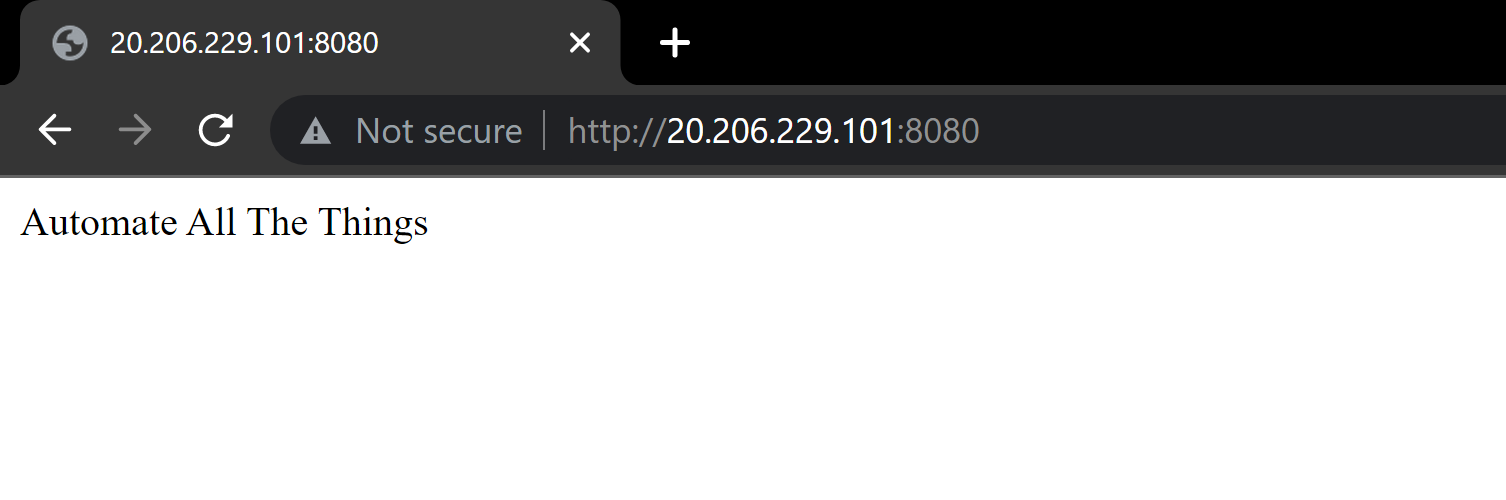


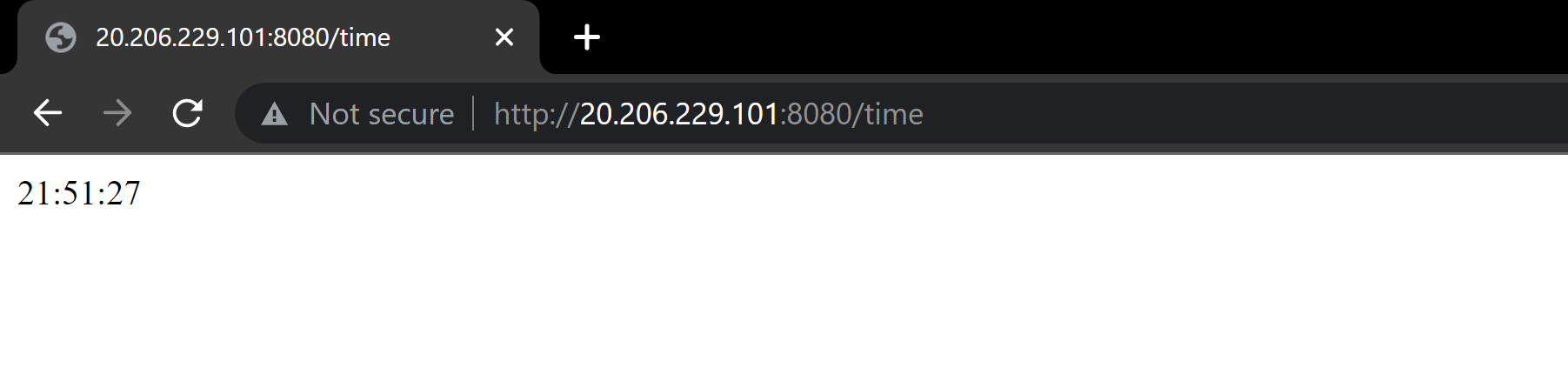
After running the job:





Verify Python-RestAPI is deployed fine –





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