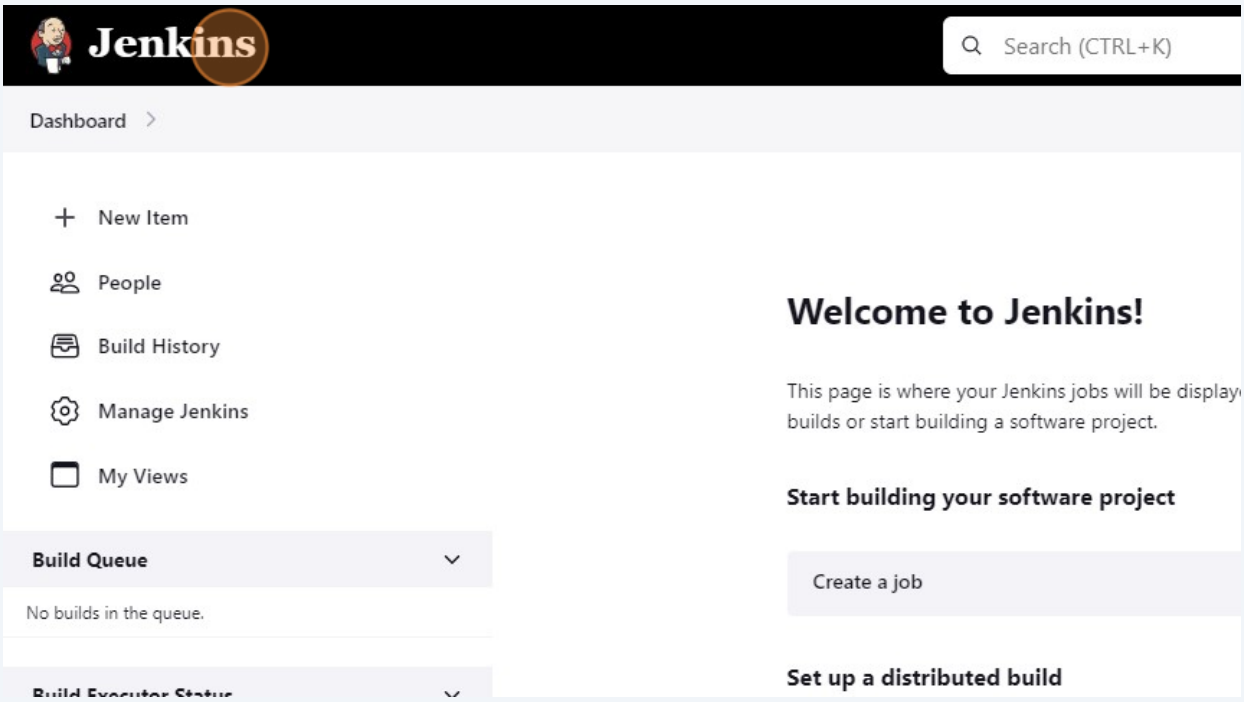
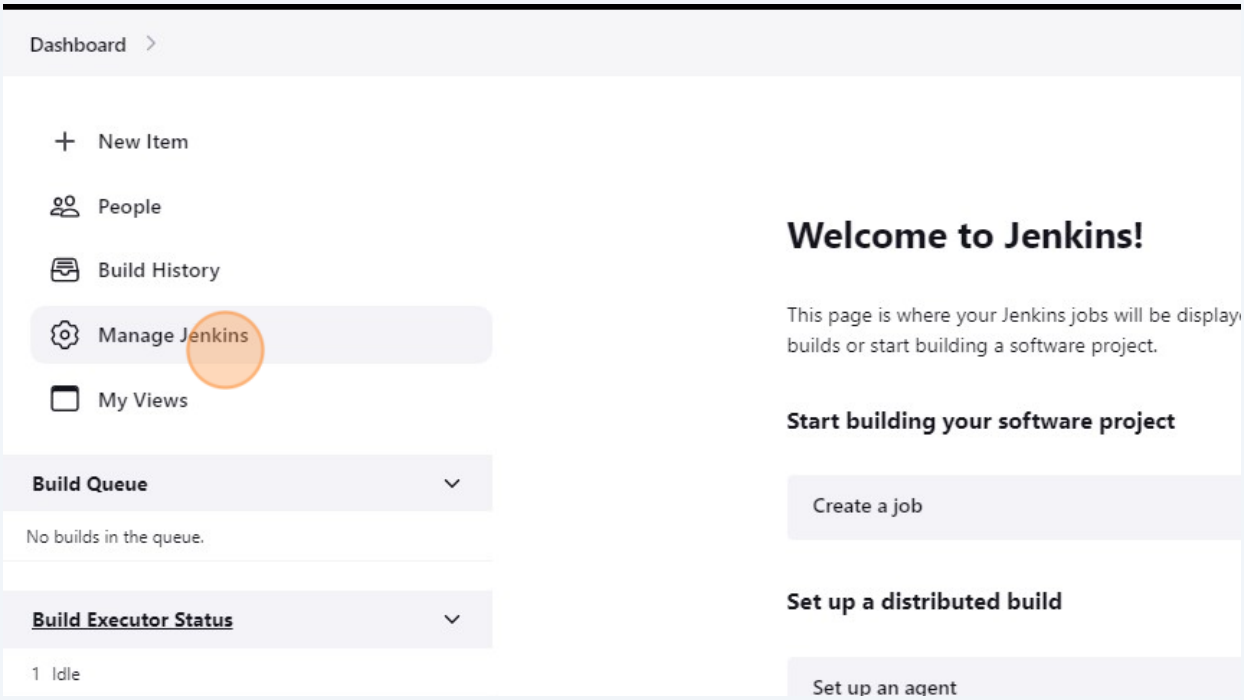
How to Configure Jenkins Credentials and Webhook Notifications

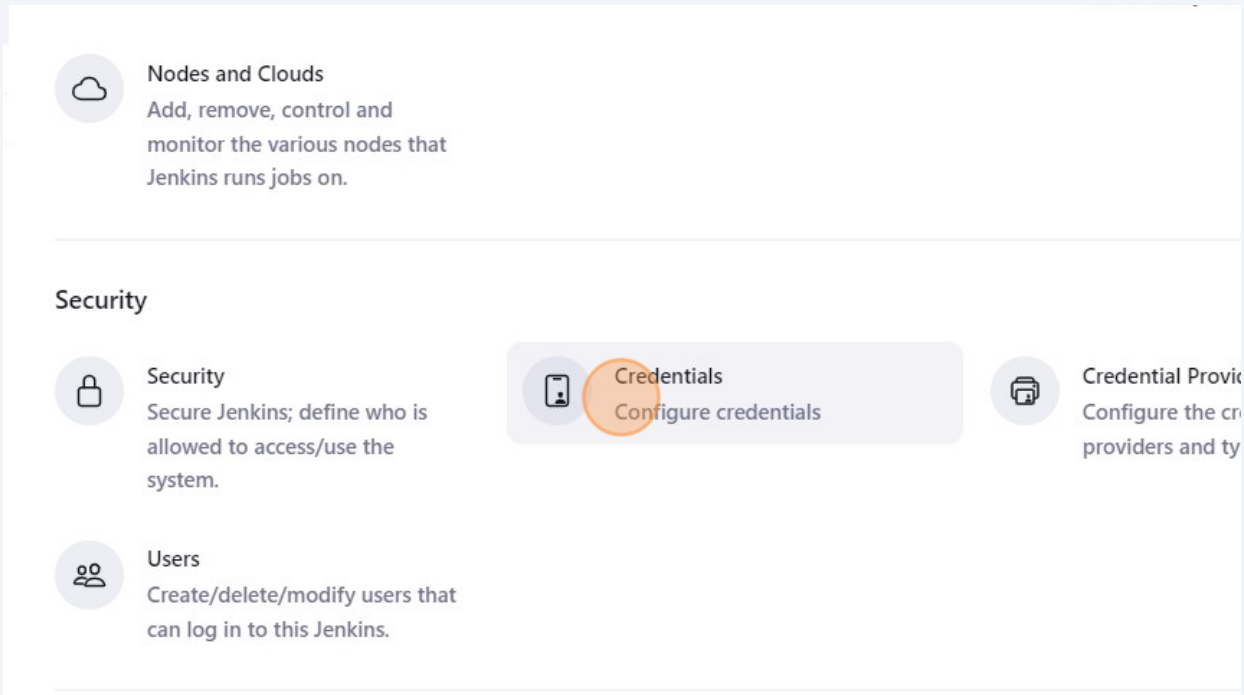
1



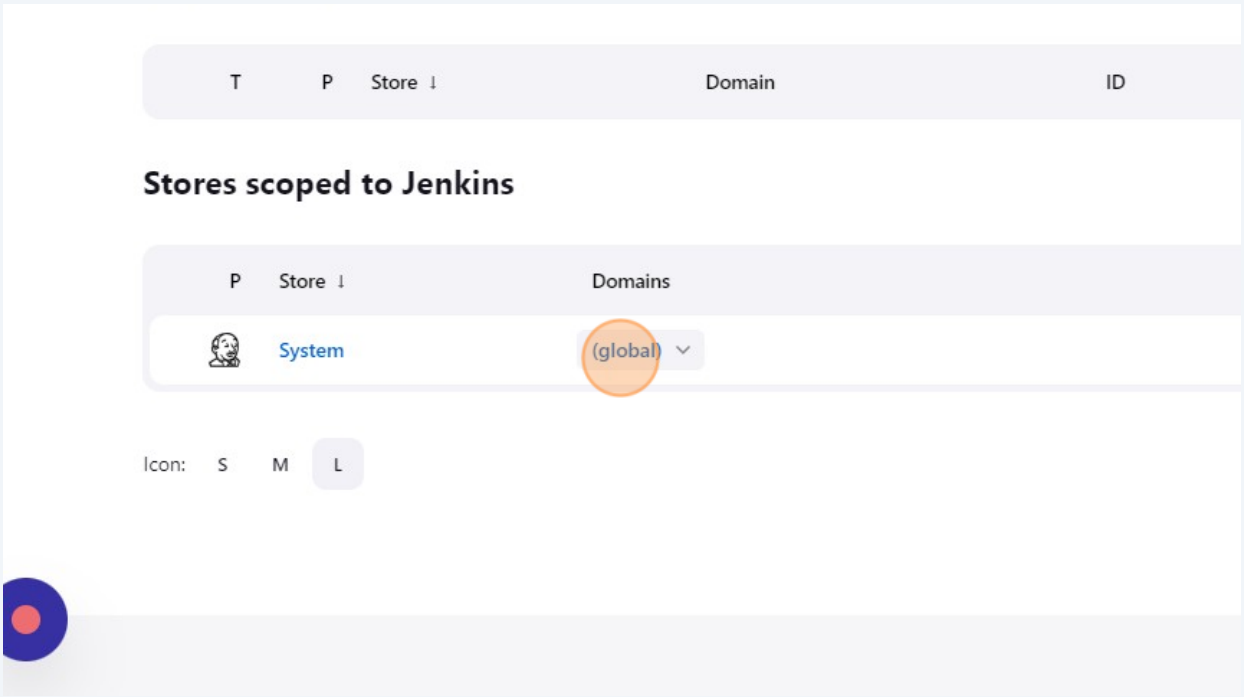
2 Click "Manage Jenkins"



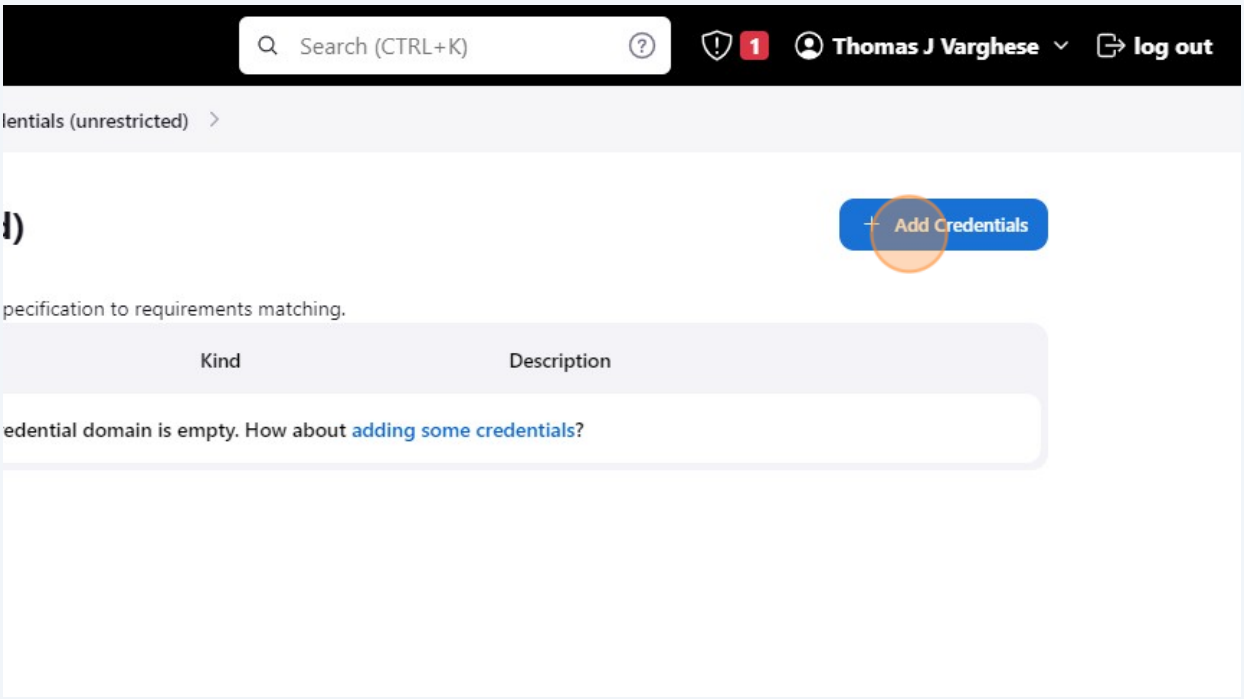
3 Click "Configure credentials"



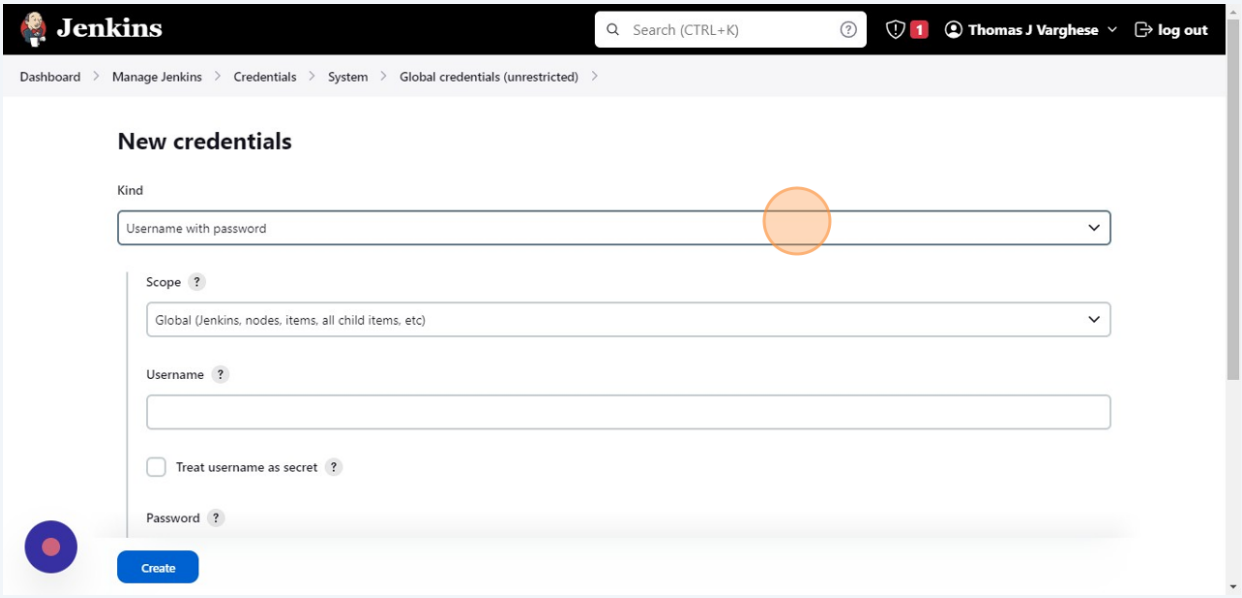
4 Click "(global)"



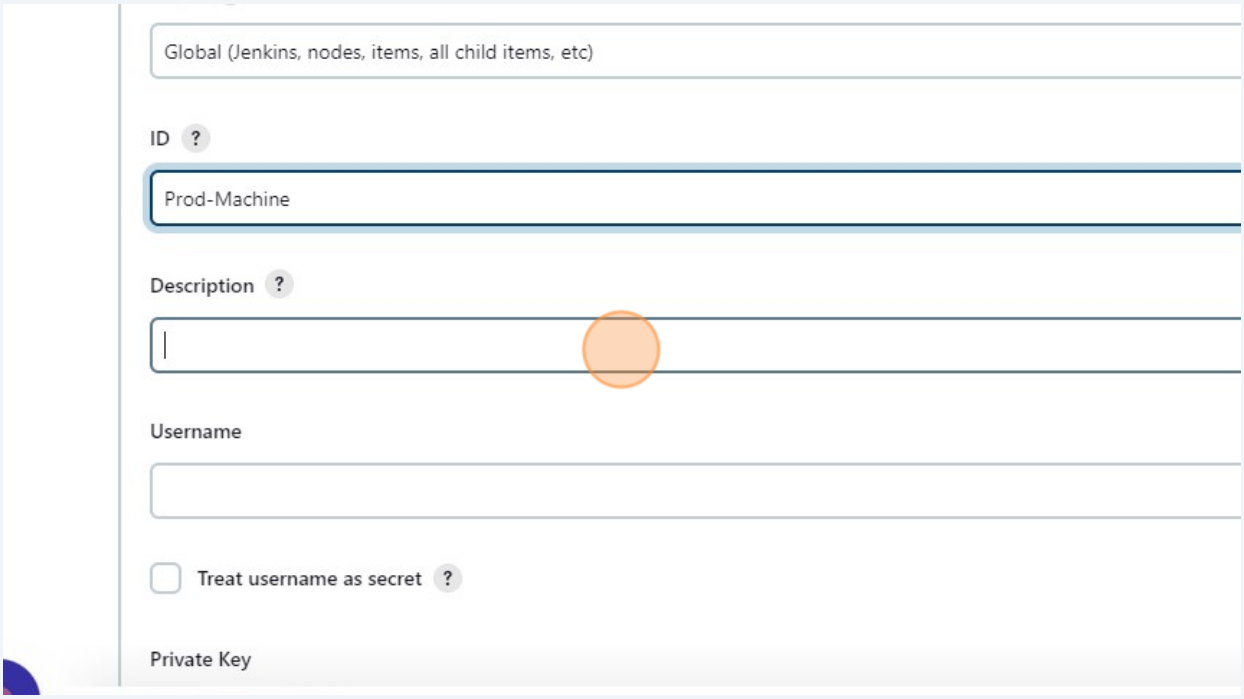
5 I am going to add authentication for jenkins to communicate with the production machine which by using the contents of PEM file that I got while creating the instance. Click "Add Credentials"



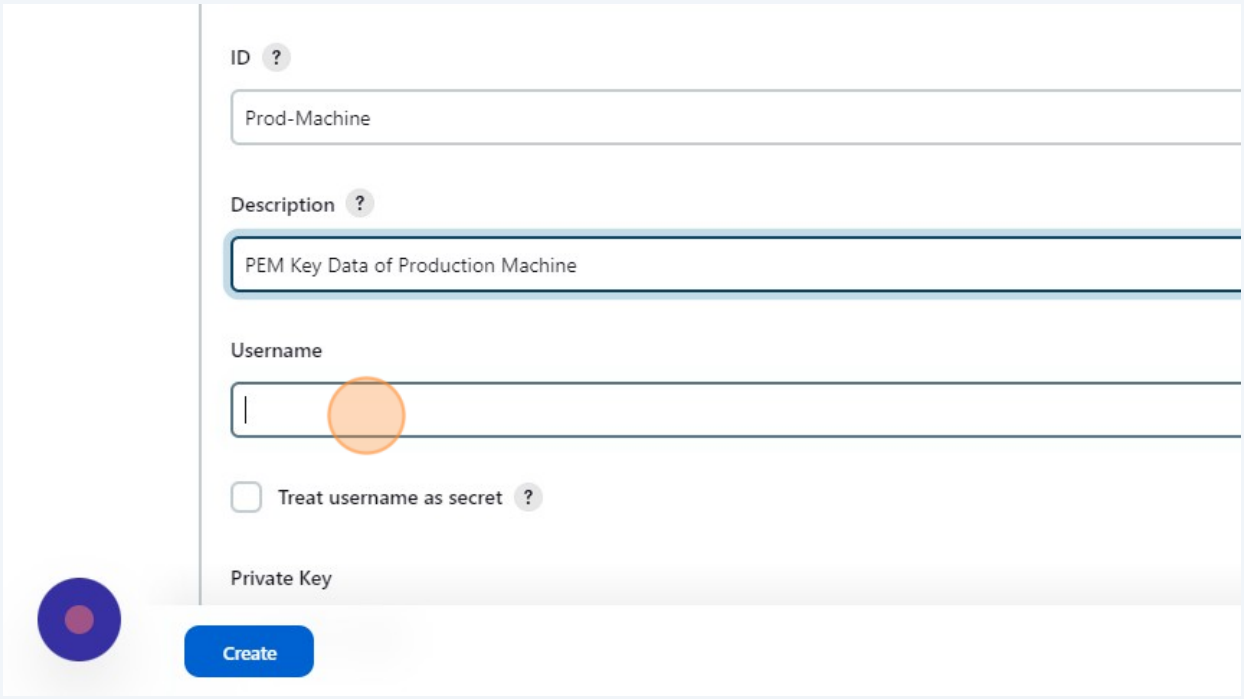
6 Click this dropdown. On their select "SSH Username with private key"



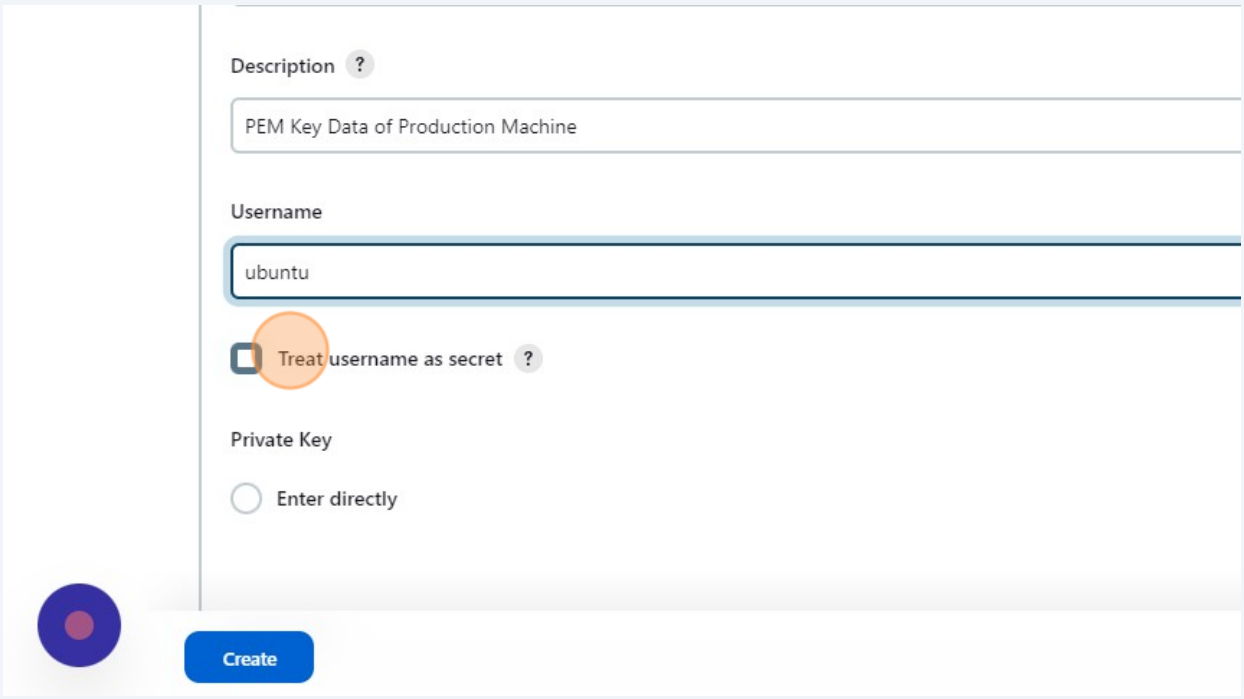
7 Here it is important to give the ID name related to that. Here I have added the name as "Prod-Machine". Using this ID we will be using it inside the Jenkins Pipeline. Description is optional.



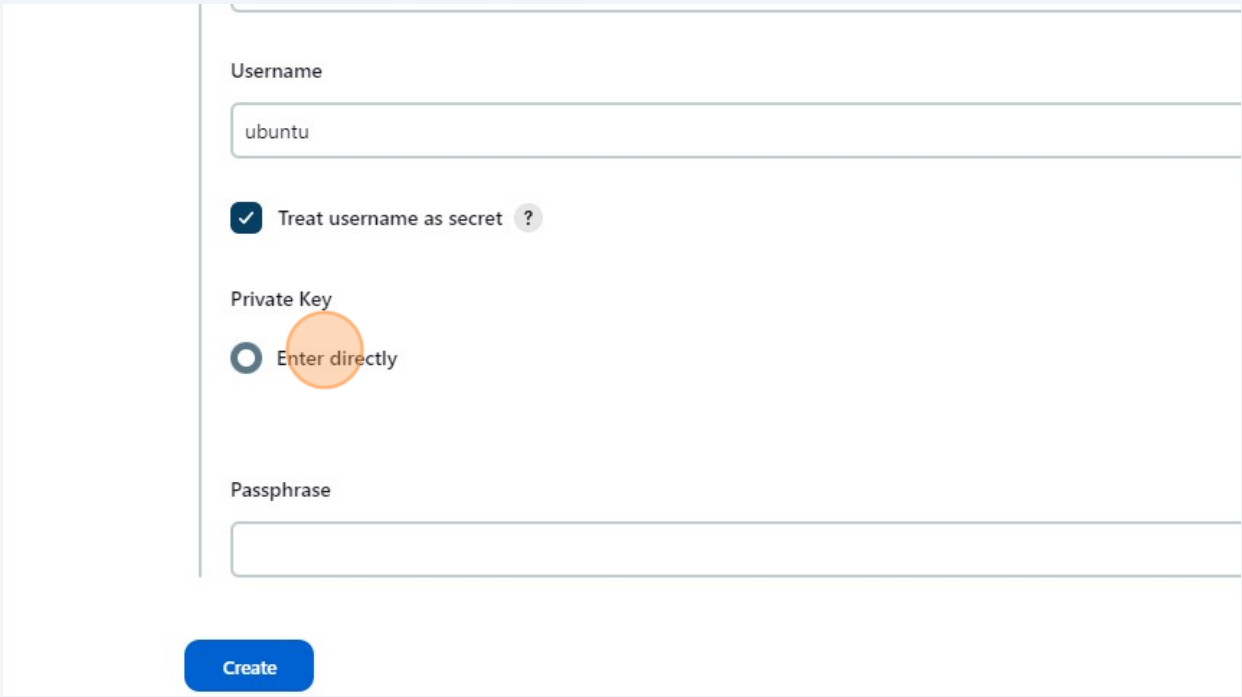
8 Type "ubuntu" for Username field.



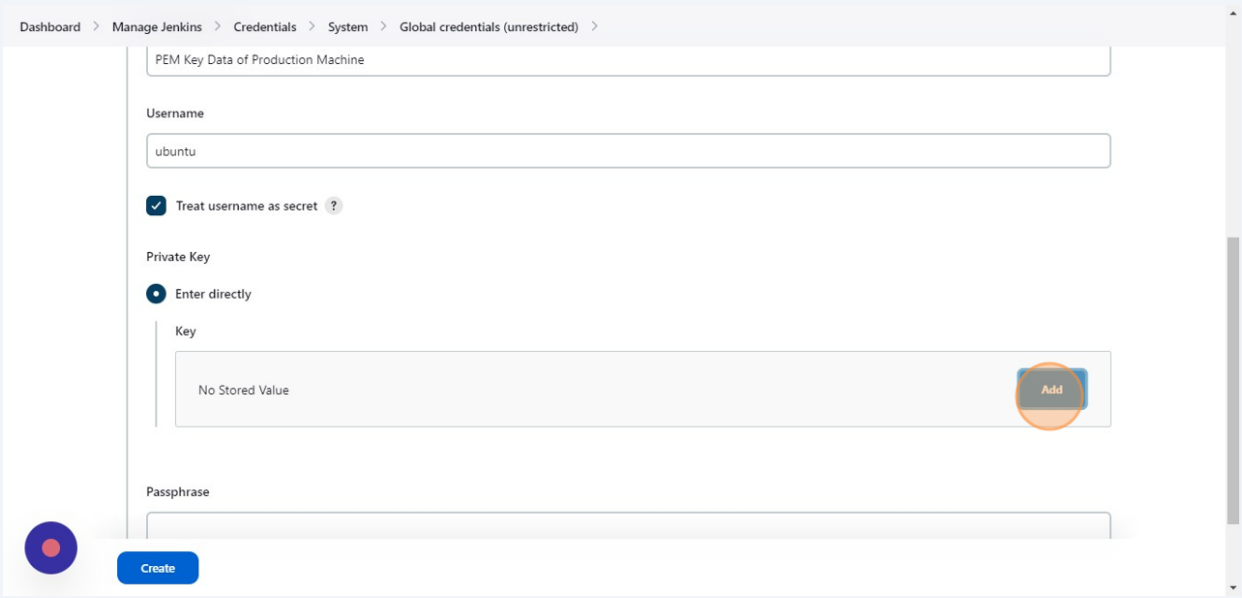
9 Click "Treat username as secret"



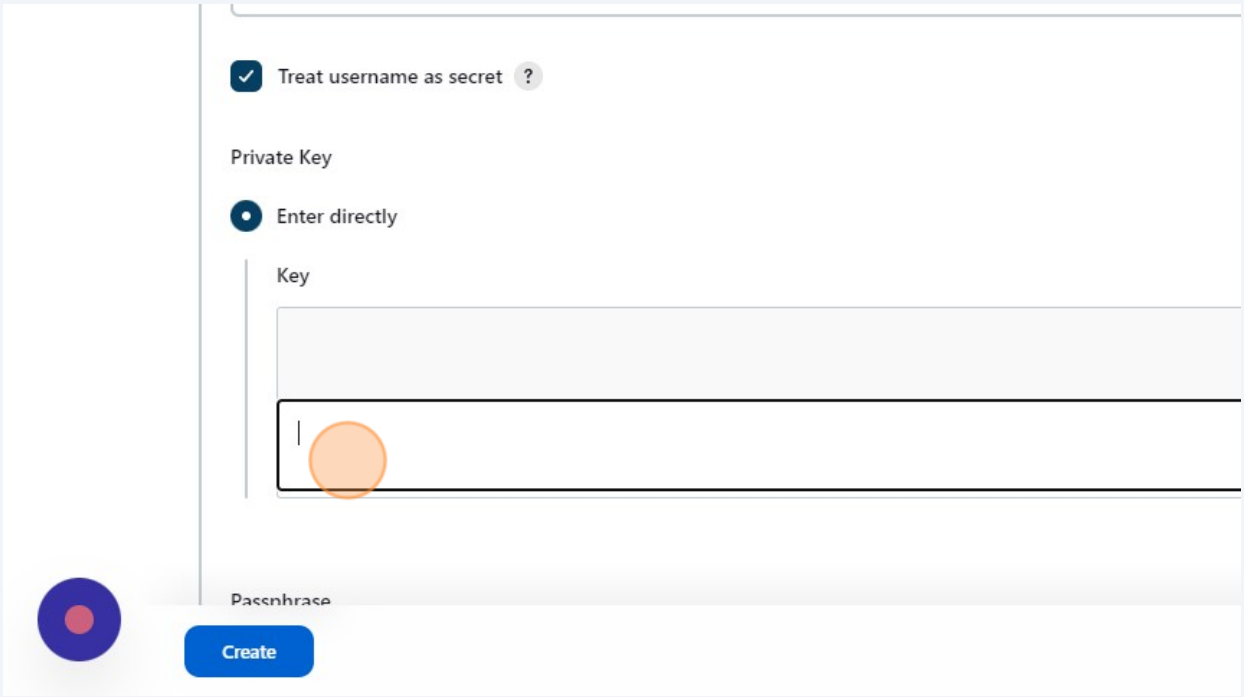
10 Click "Enter directly"



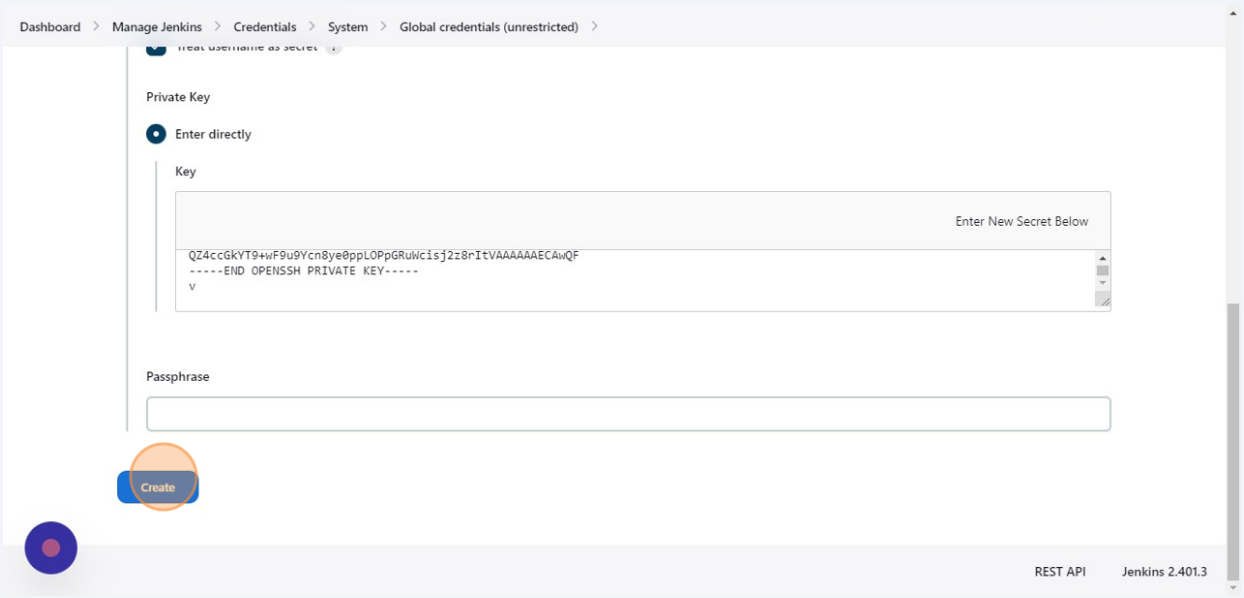
11 Click this button field.



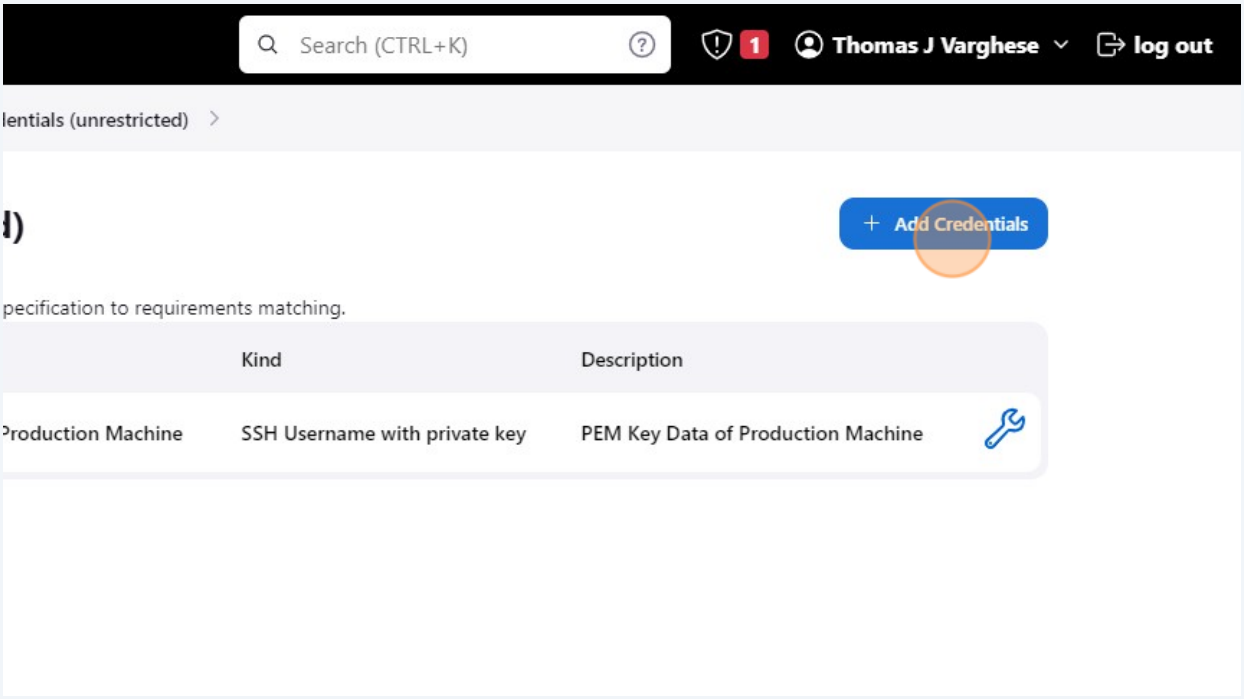
12 Paste in your PEM Key contents here.



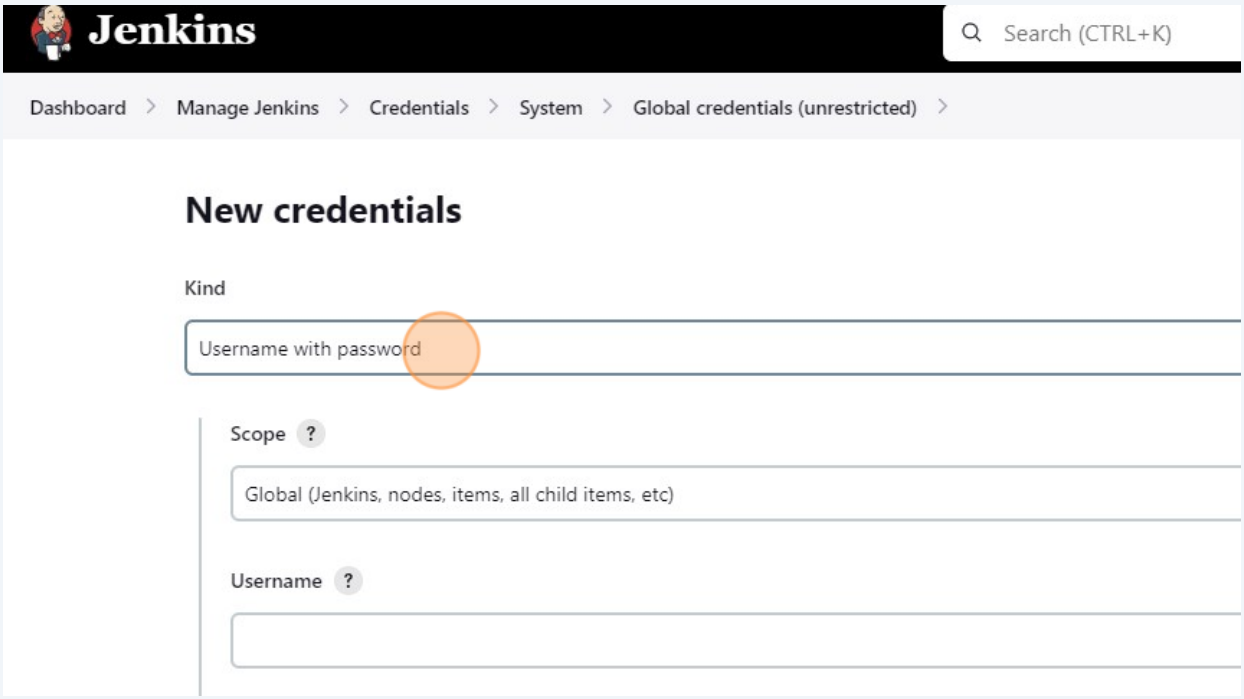
13 Click "Create"



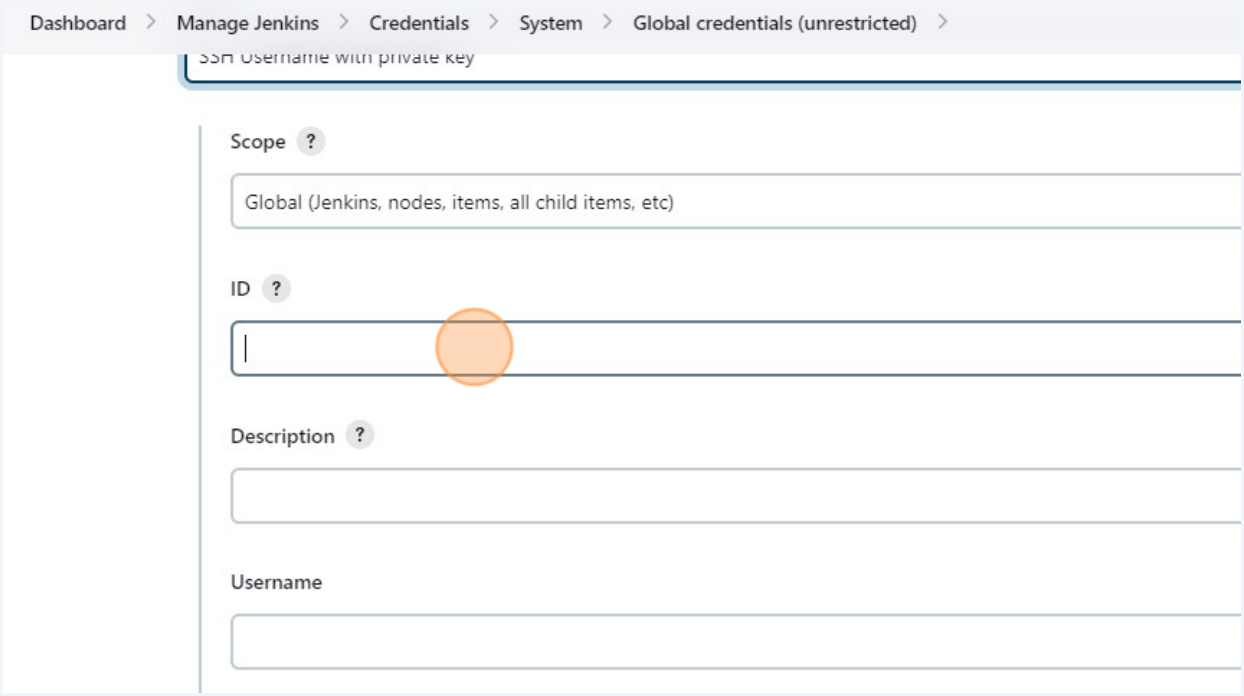
14 Now we will do the same thing by pasting the SSH private key of our Machine to Jenkins for authentication. Click "Add Credentials"



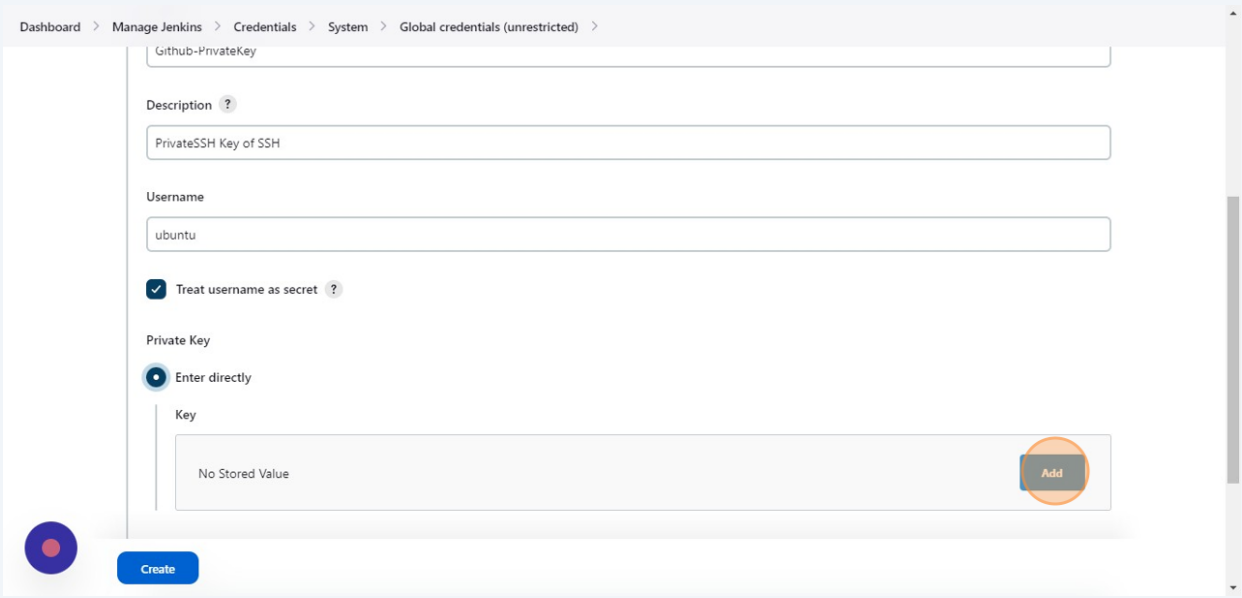
15 Click this dropdown.



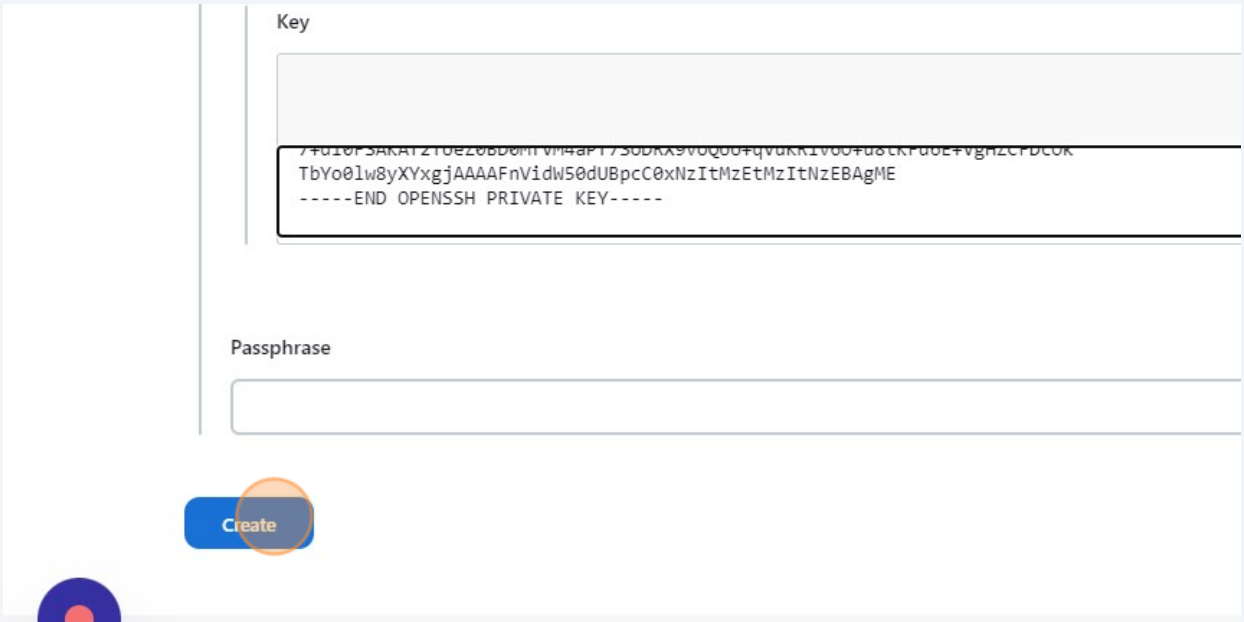
16 ID is important here, I am passing "Github-PrivateKey". This is on the assumption that you have already set the public key in github.



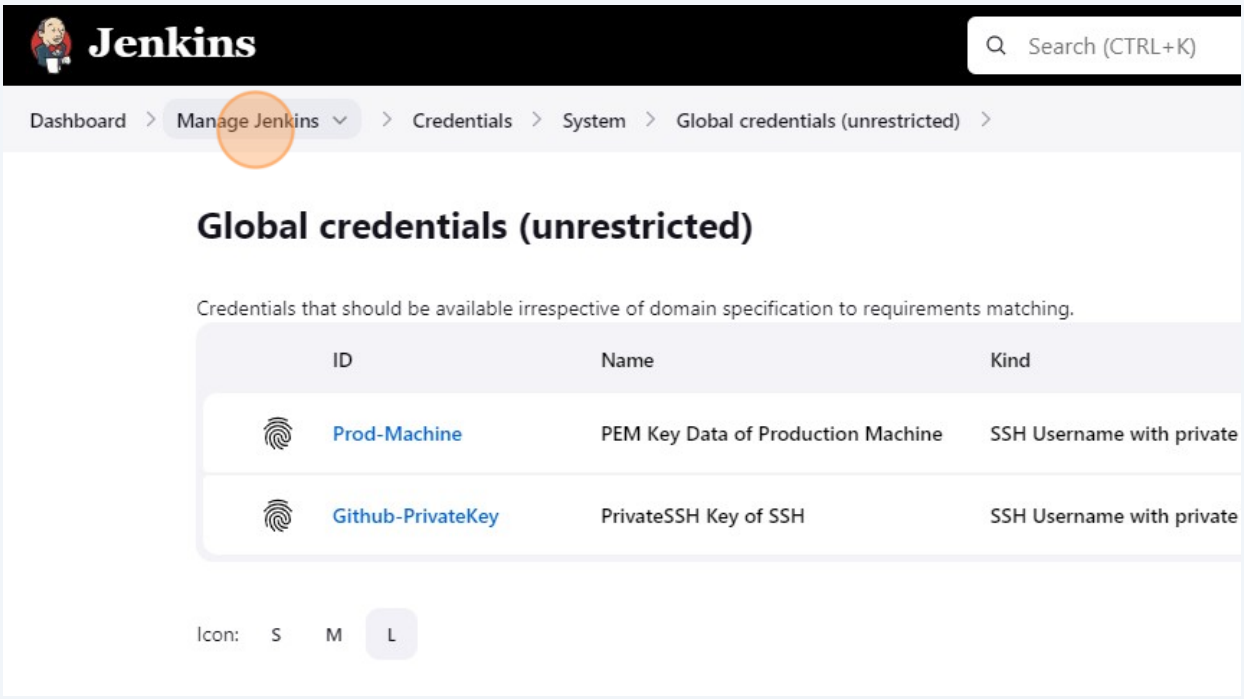
17 Fill in the rest of the fields, make sure the User name is "ubuntu".



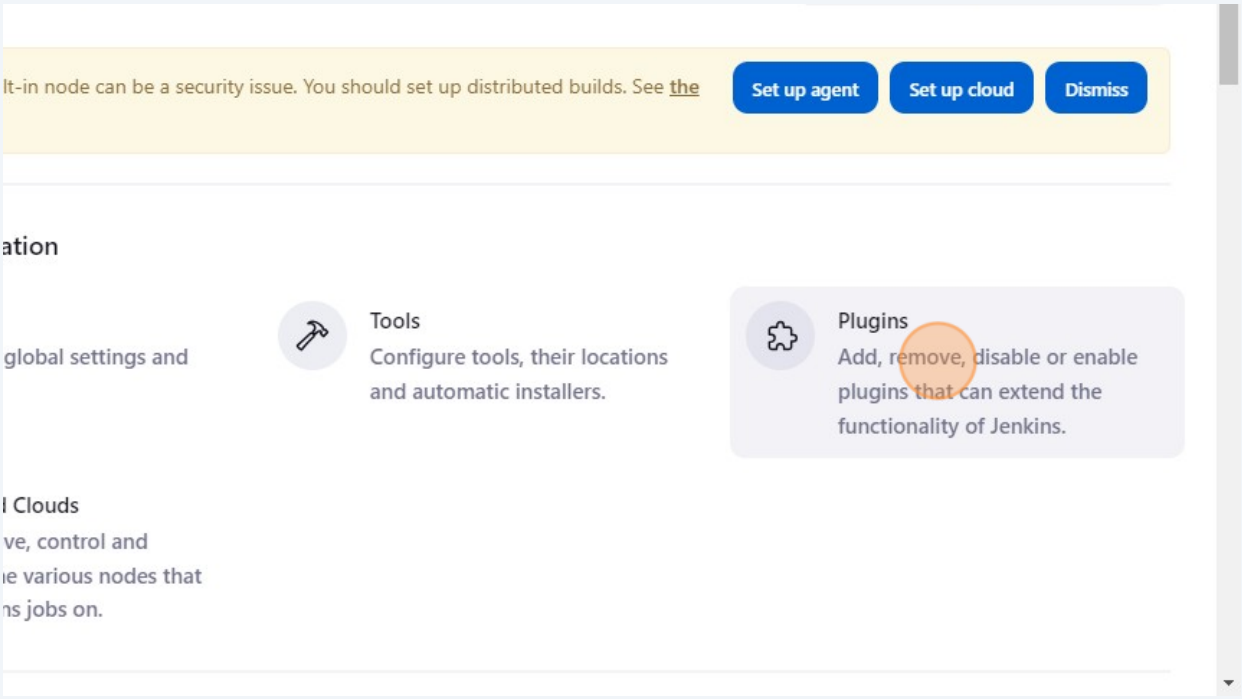
18 Add the SSH Private Key of our Production Machine and Click "Create"



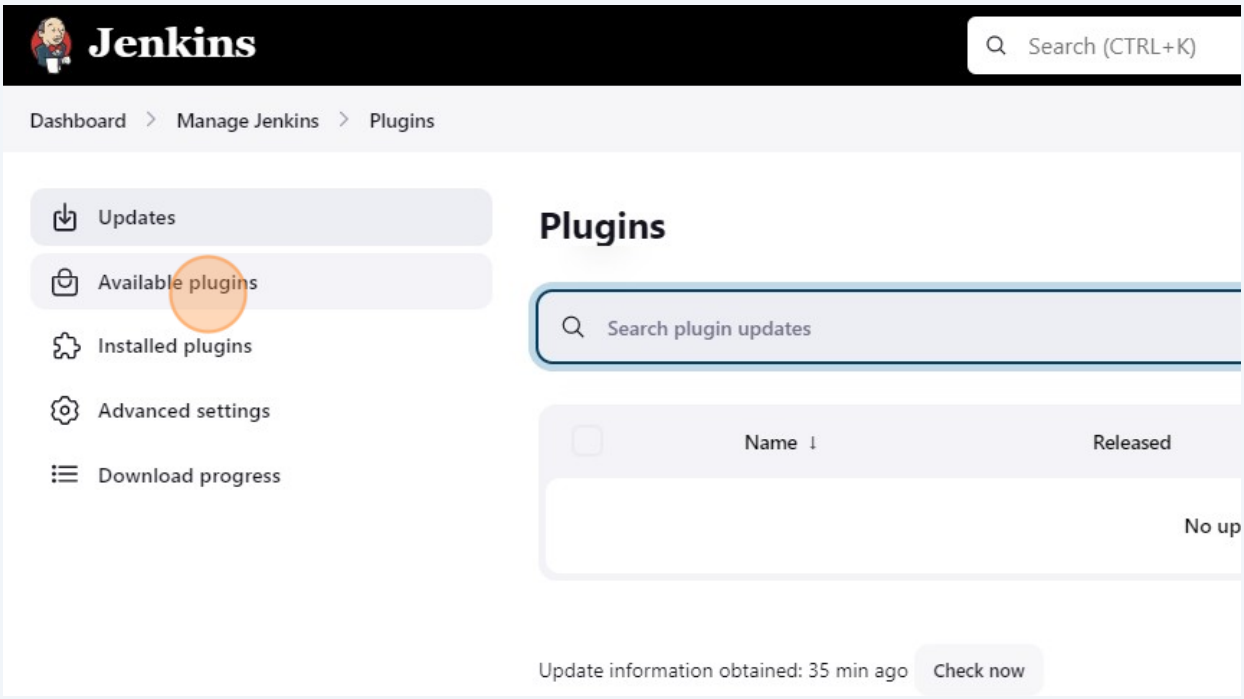
19 Once that is done we need to install 'SSH Agent' extension. For that Click "Manage Jenkins"



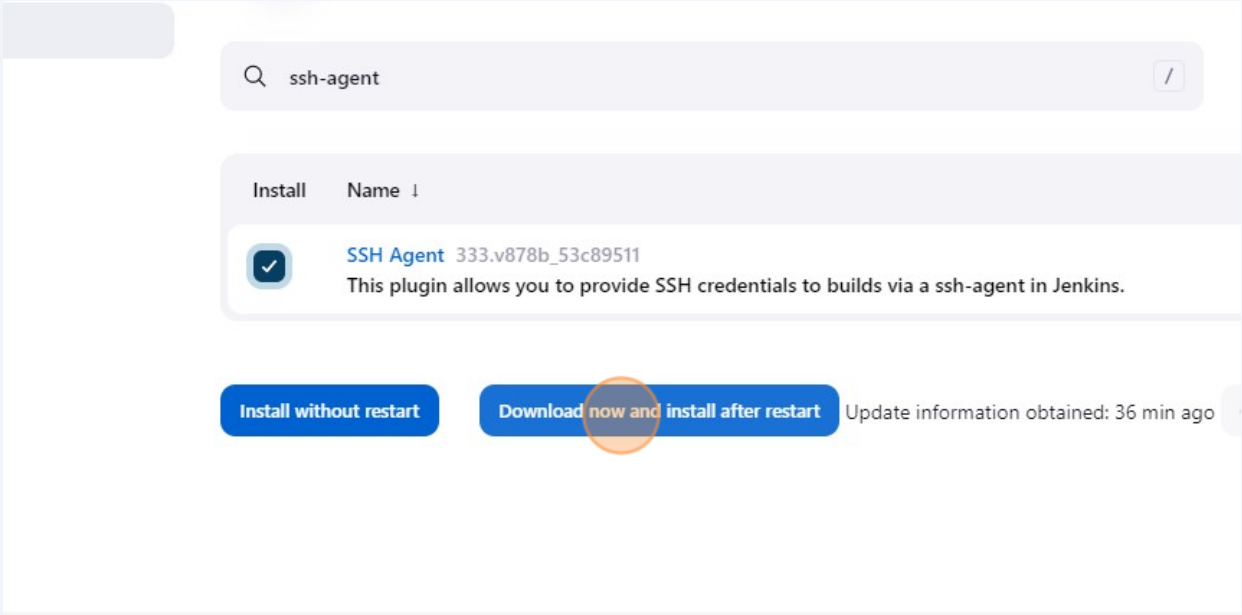
20 Click "Add, remove, disable or enable plugins that can extend the functionality of Jenkins."



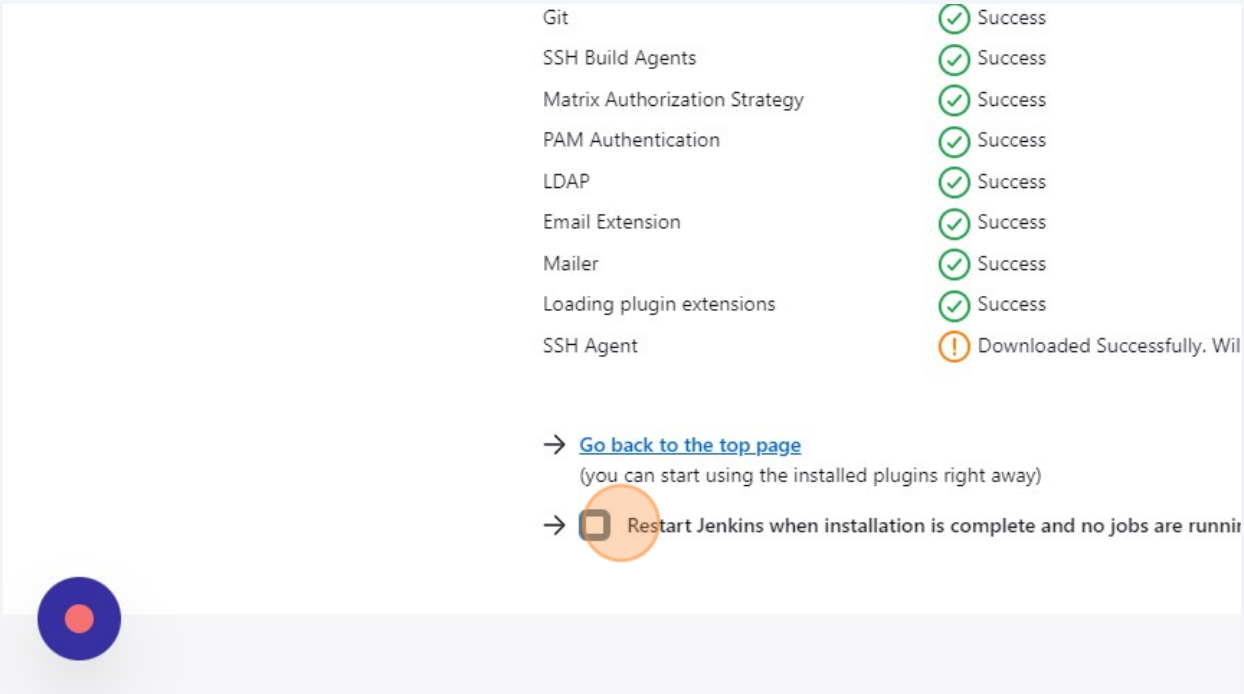
21 Click "Available plugins"



22 Search for "ssh-agent". Check the box and click the Download now and install after restart button.

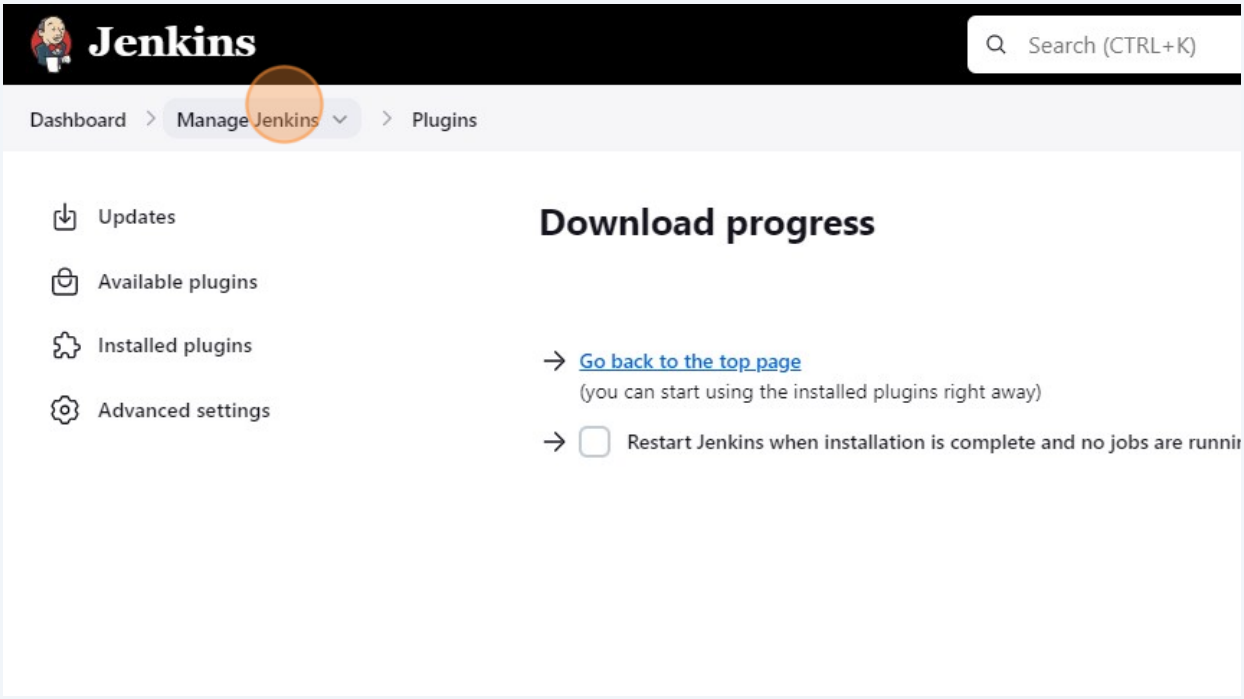


23 Then it will take you to a page and go below and Click "Restart Jenkins when installation is complete and no jobs are running"

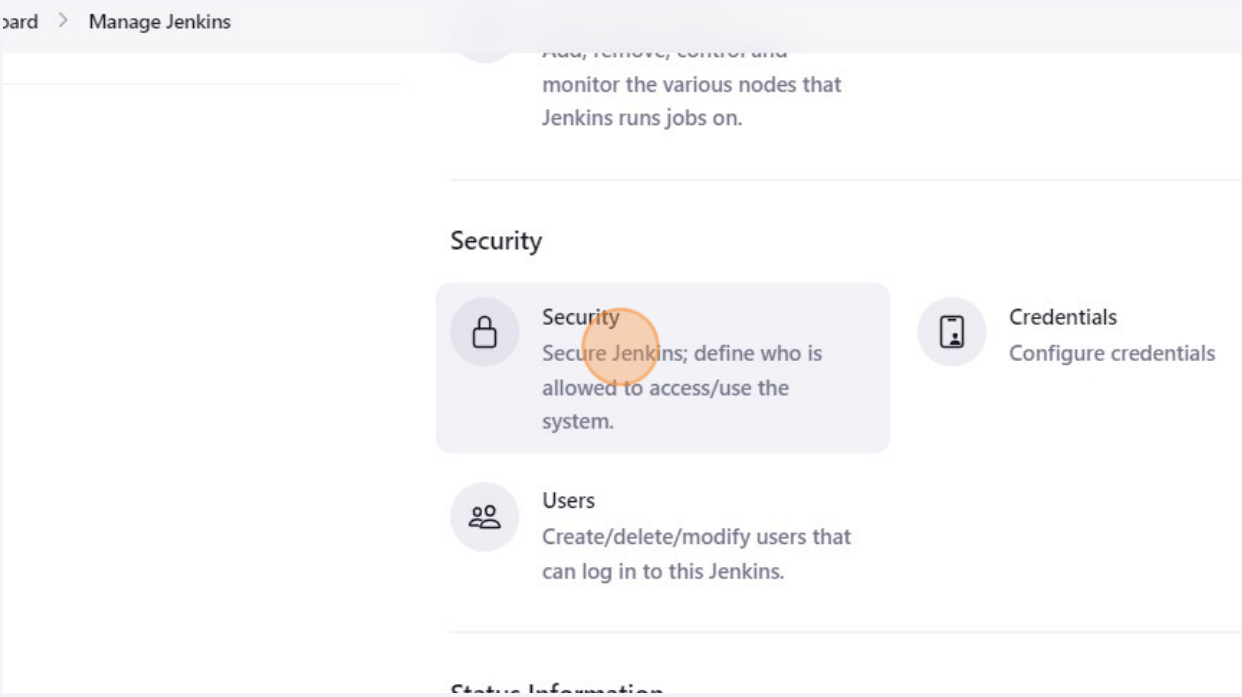


24 This will restart the Jenkins and we will asked to give username and password.

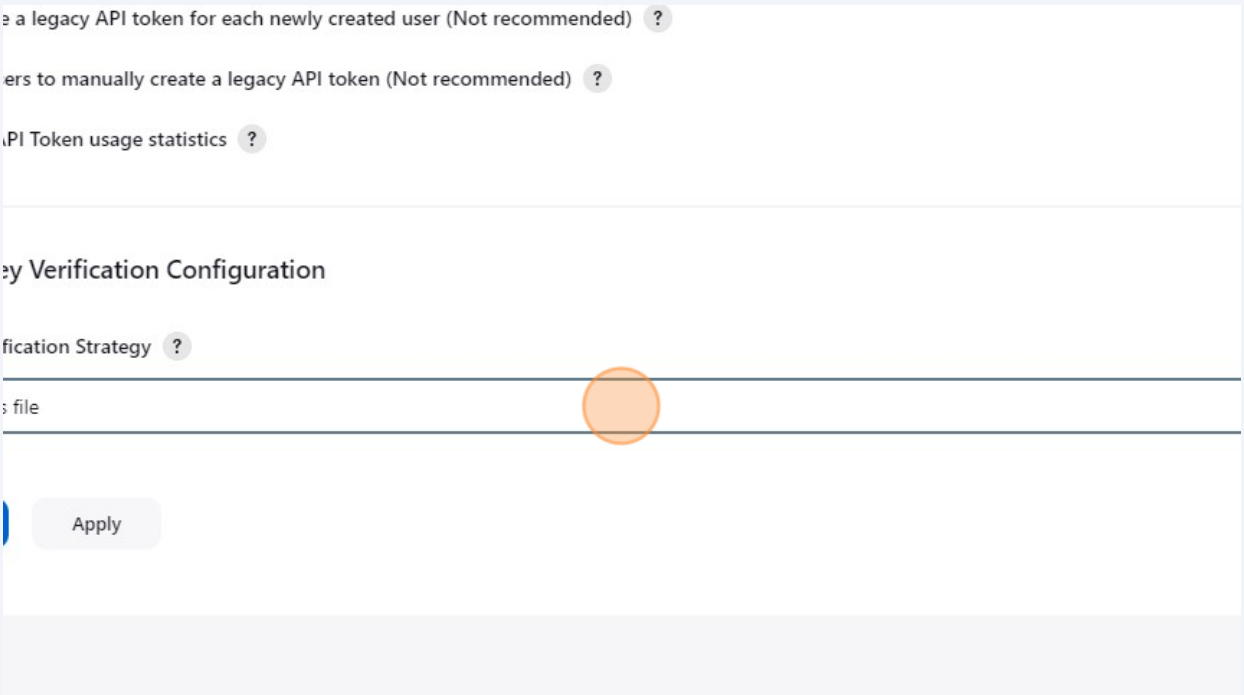
25 Now we need to edit settings for Git. For that Click "Manage Jenkins"



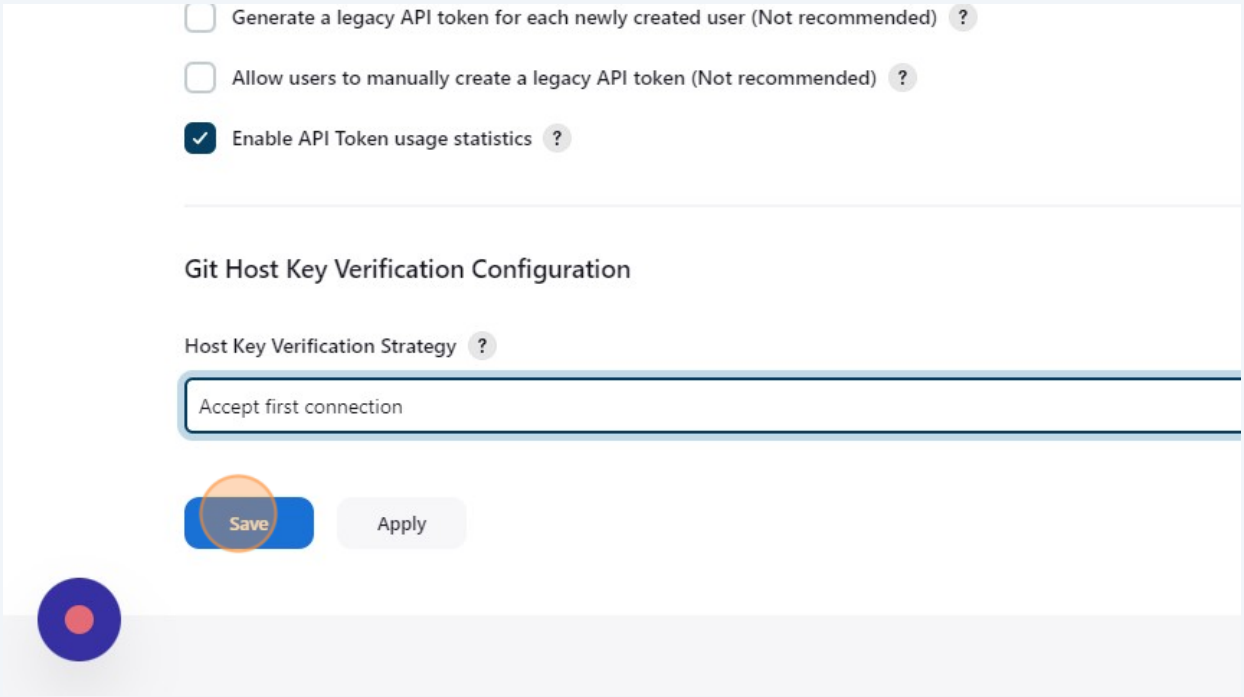
26 Click "Secure Jenkins"



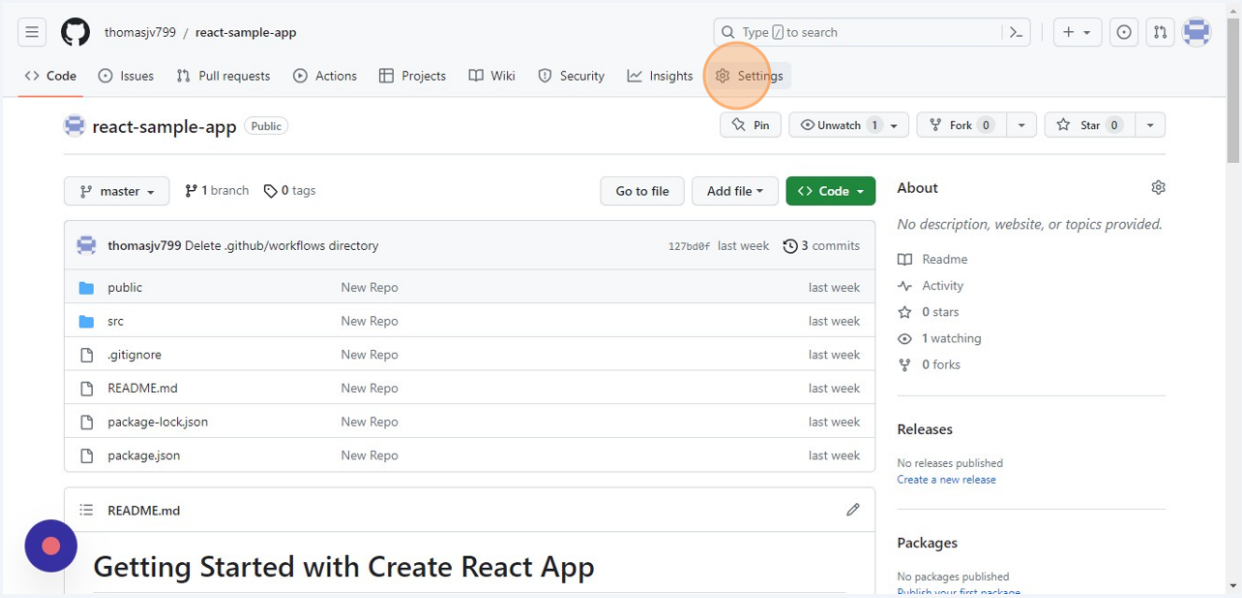
27 Go below and Click this dropdown.



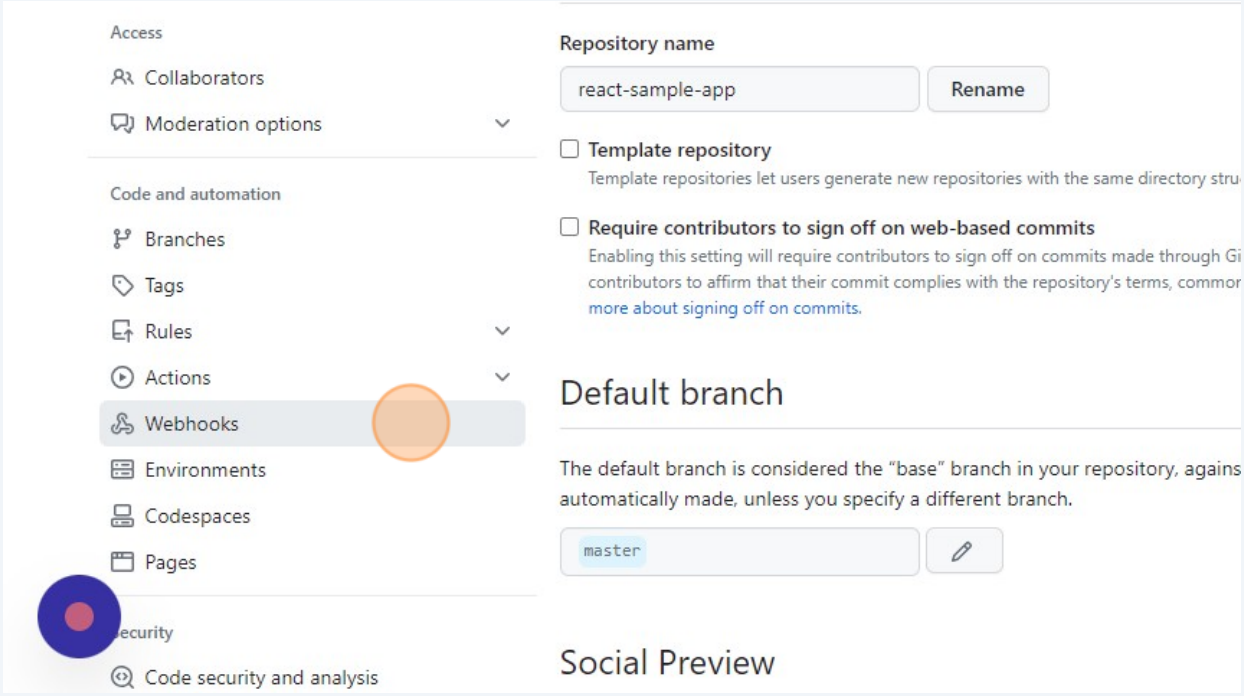
28 Change it to 'Accept first connection' and Click "Save"



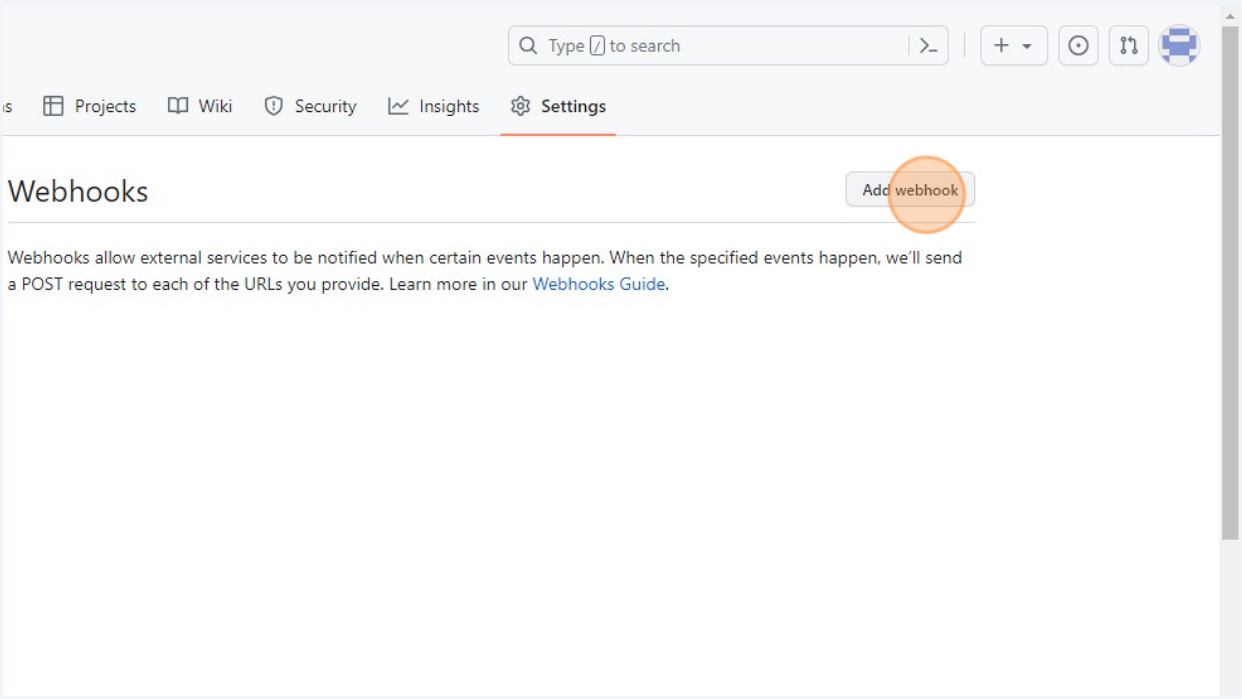
29 Now go to your Github Repository and Click "Settings"



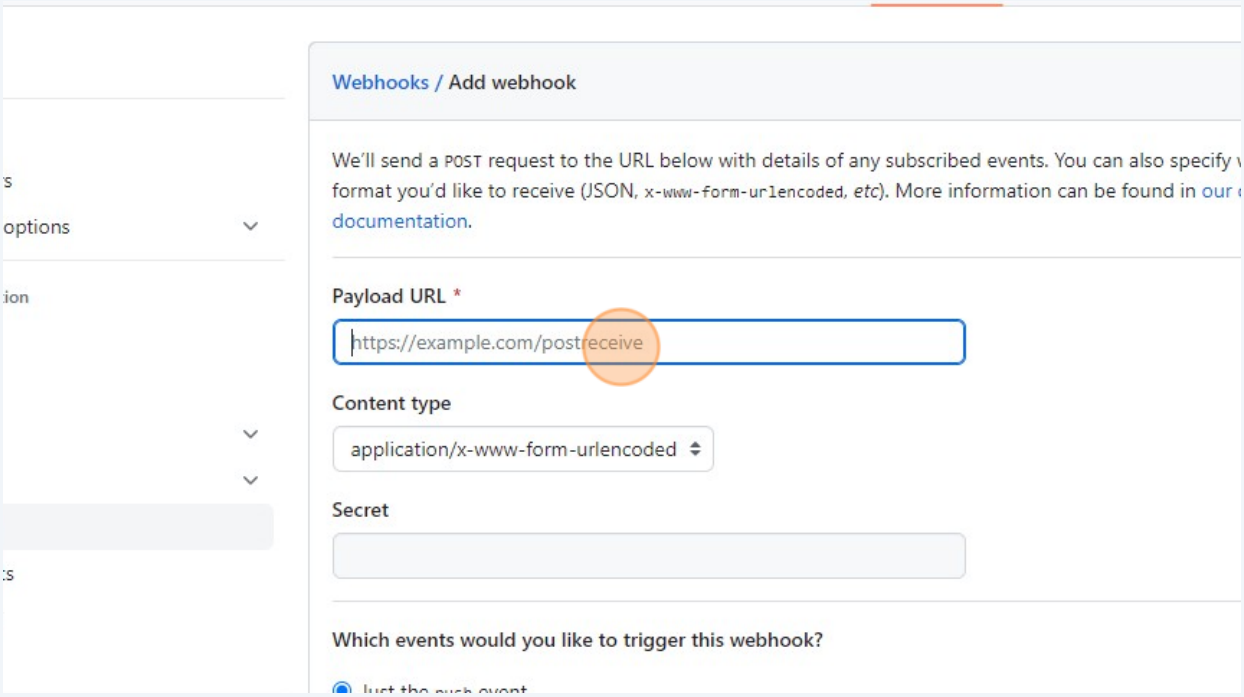
30 Click "Webhooks"



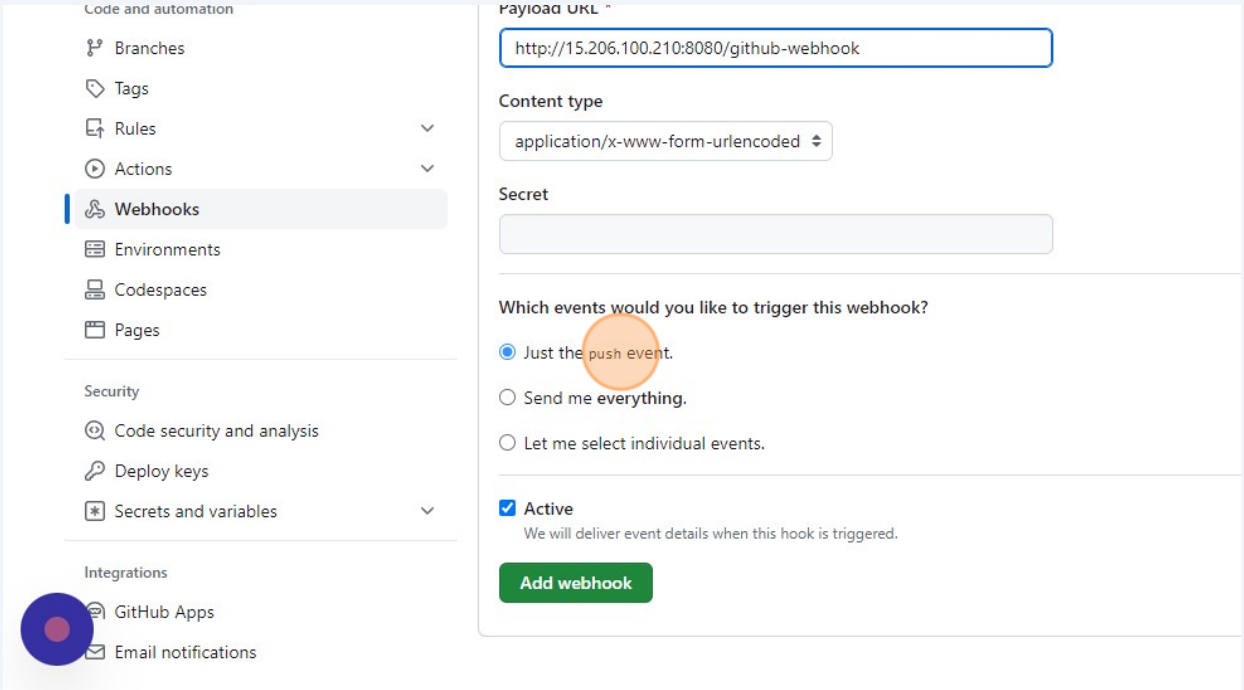
31 Click "Add webhook"



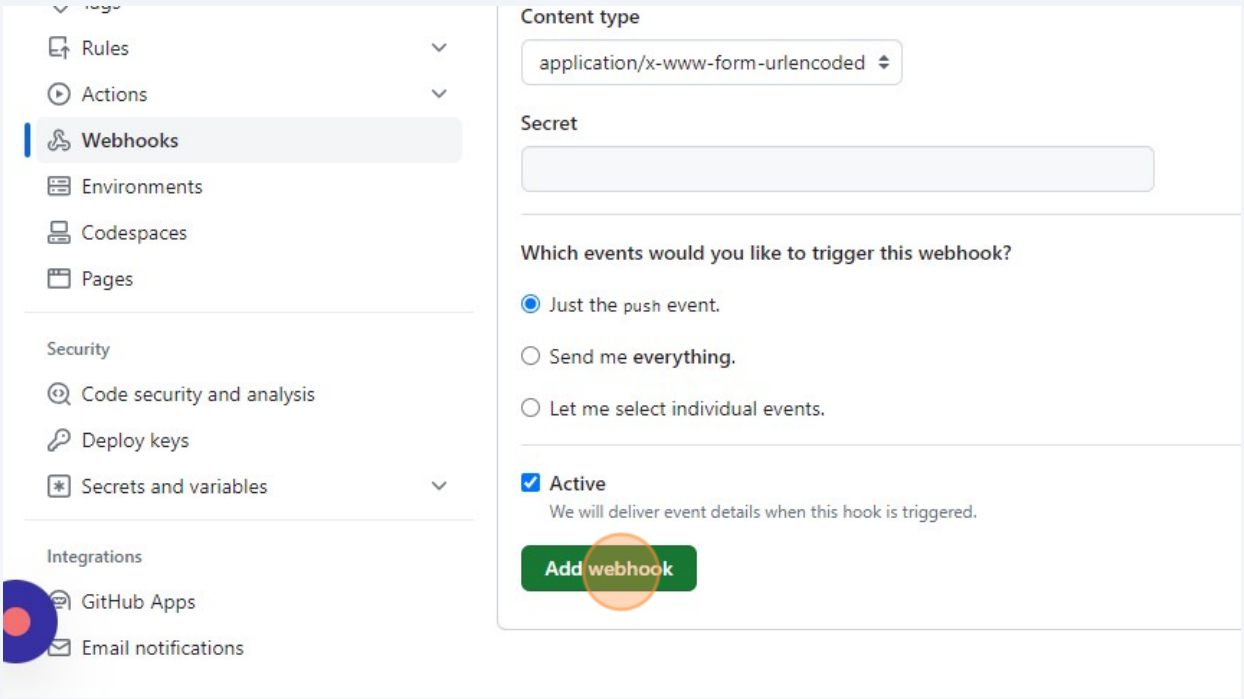
32 Click the "Payload URL" field. Paste the Jenkins URL followed by "github-webhook". Eg: 15.206.100.210:8080/github-webhook



33 Click "Just the push event." This will monitor the repo for any push event. If you click. For other options click the other options below.



34 Click "Add webhook"



35 This will be the way how github will be communicating with Jenkins for any change in the repo.