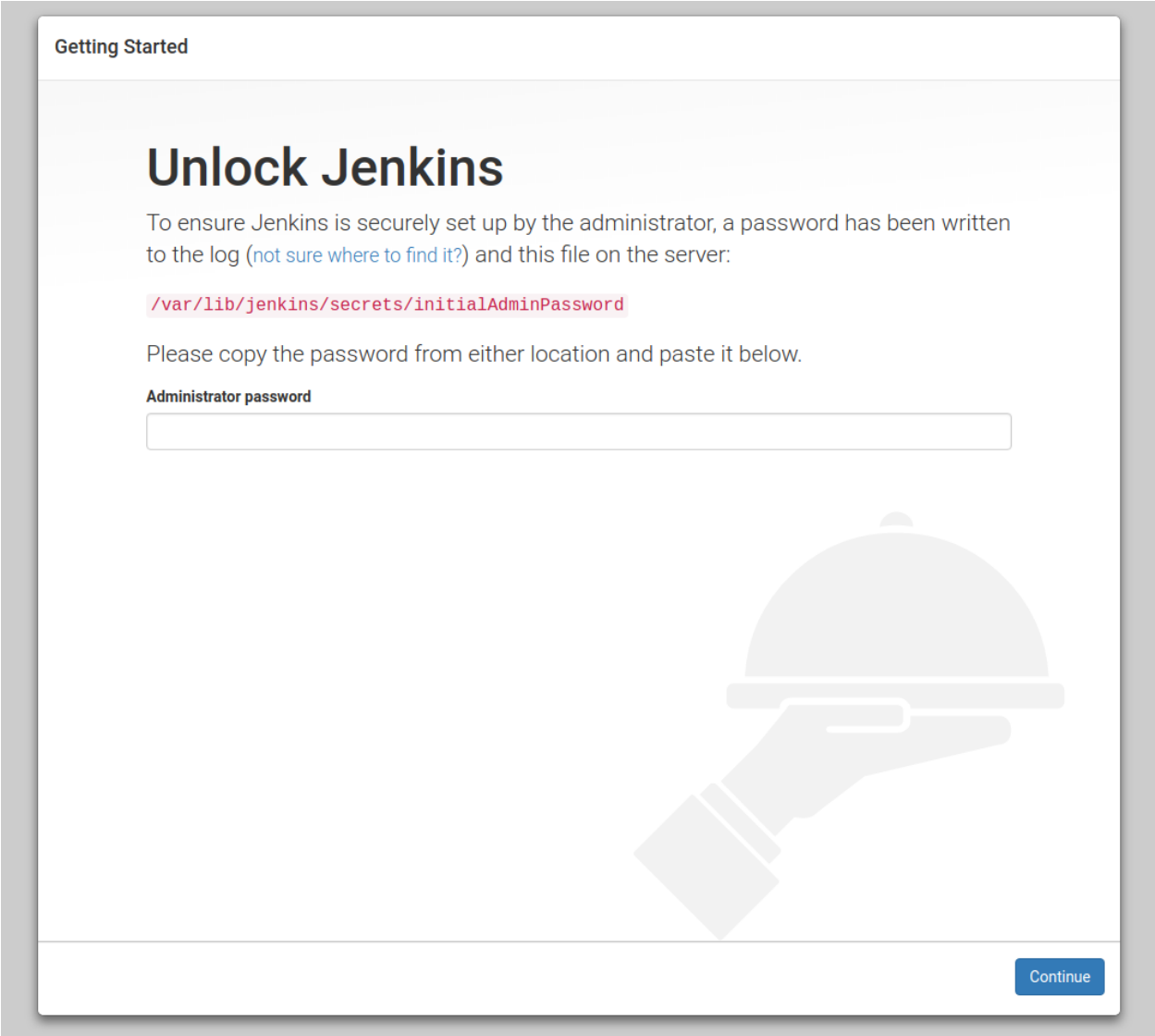
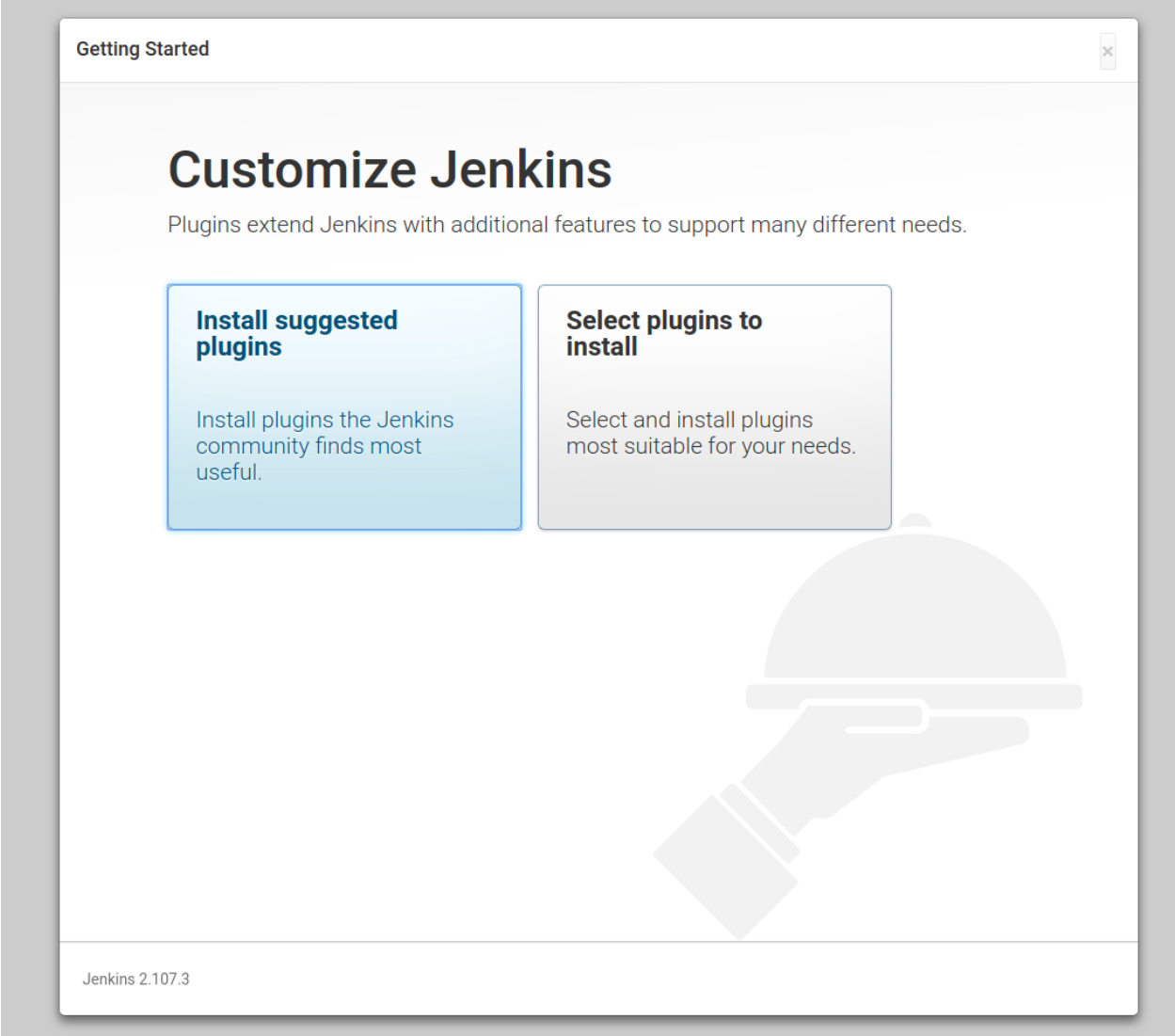
Jenkins initial setup

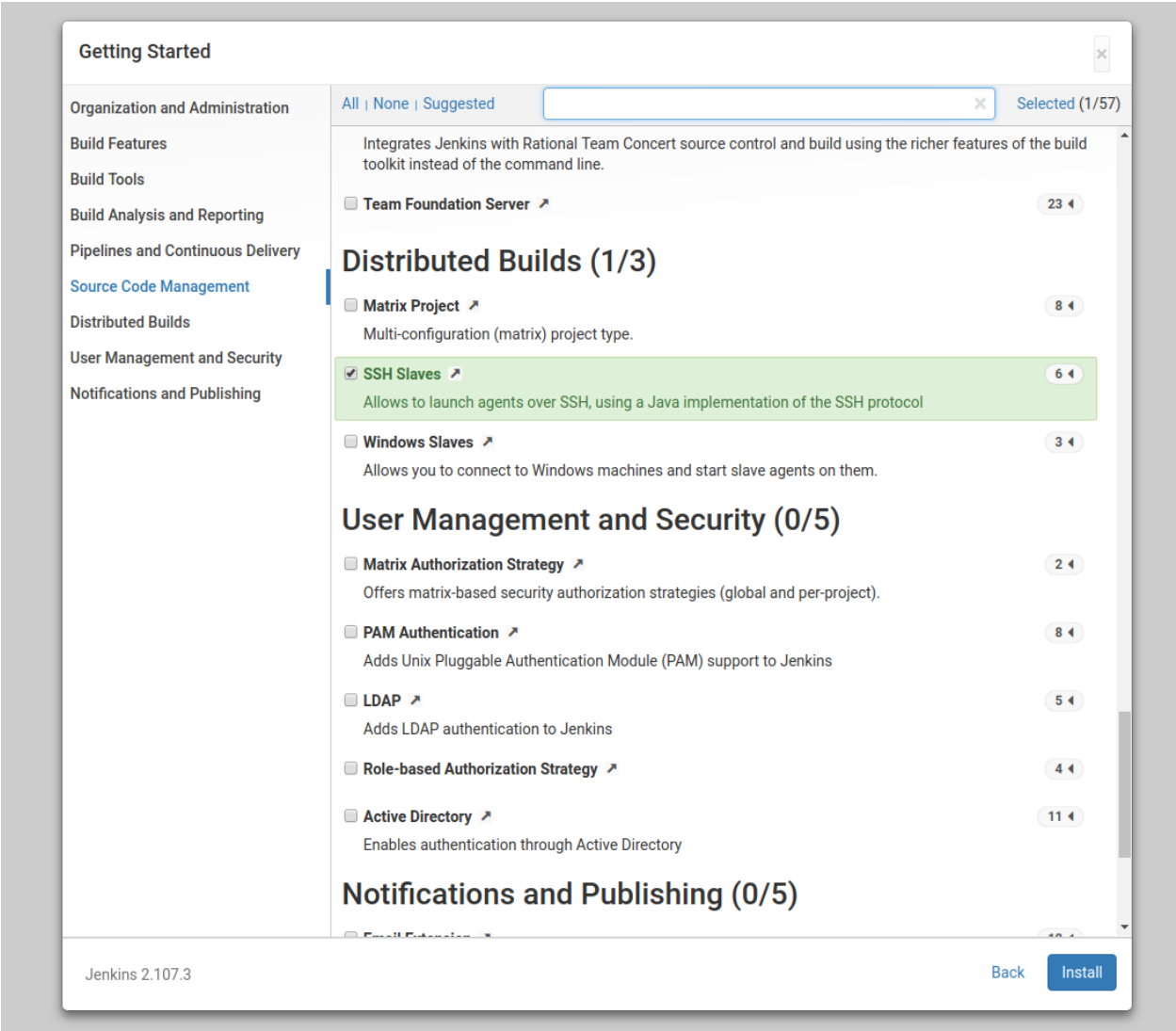
1. Go to <*master_ip_address*>:8080 and follow the instructions. First enter the password form given file.



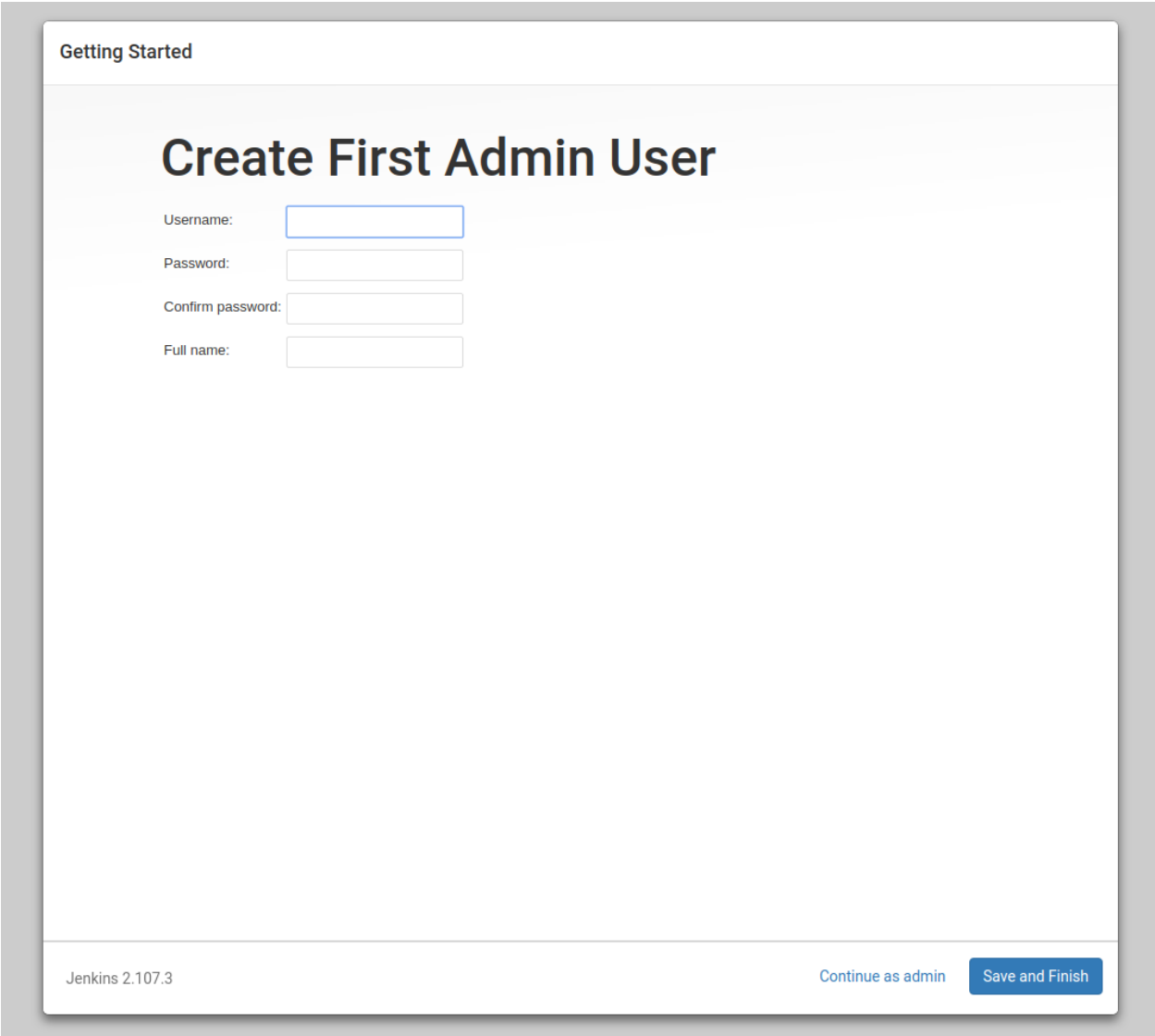
2. Then choose option ‘Select plugins to install’



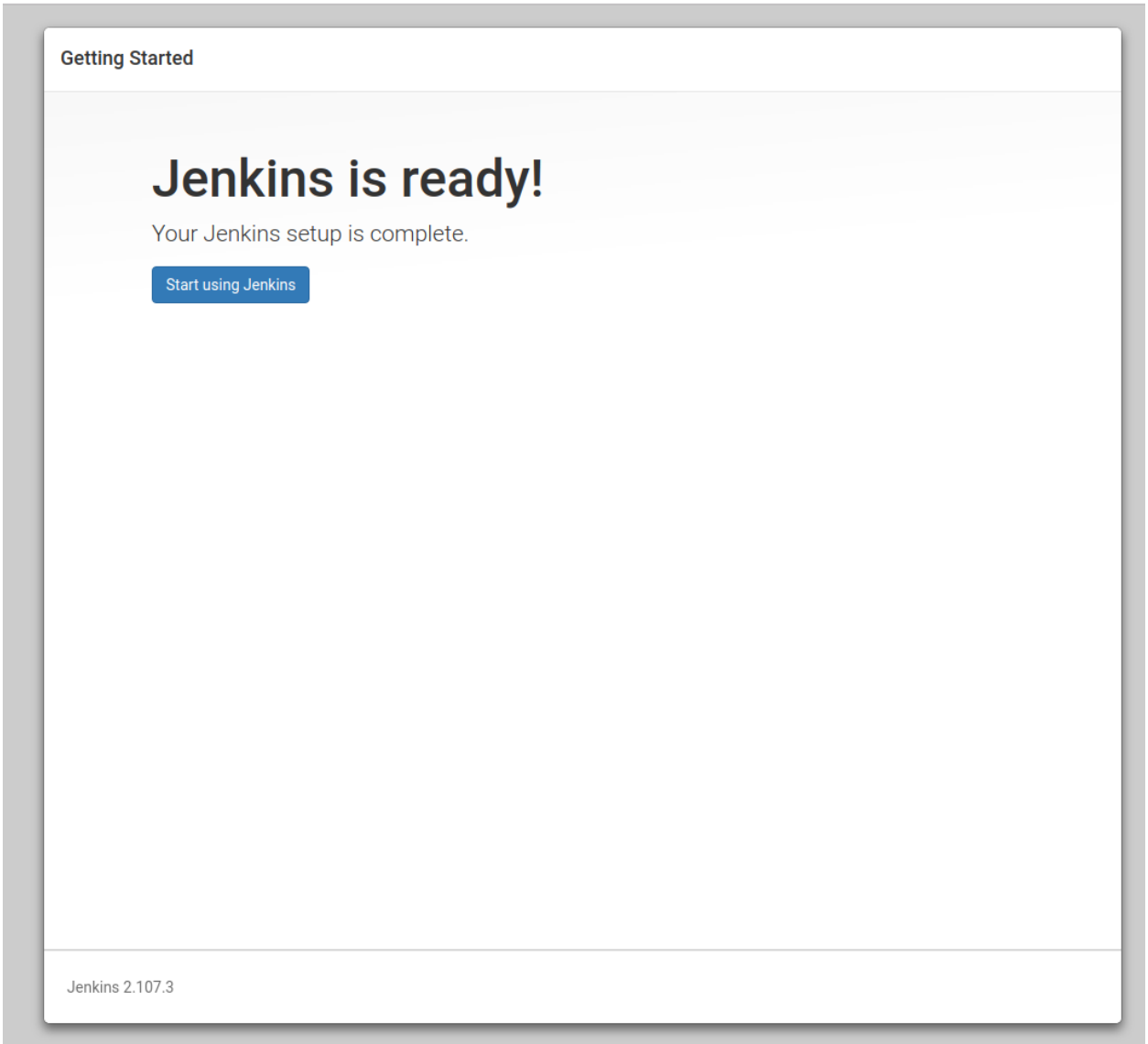
3. Unselect all preselected plugins. Then select **SSH Slaves** plugin which is the only plugin from this list you actually need. Install.



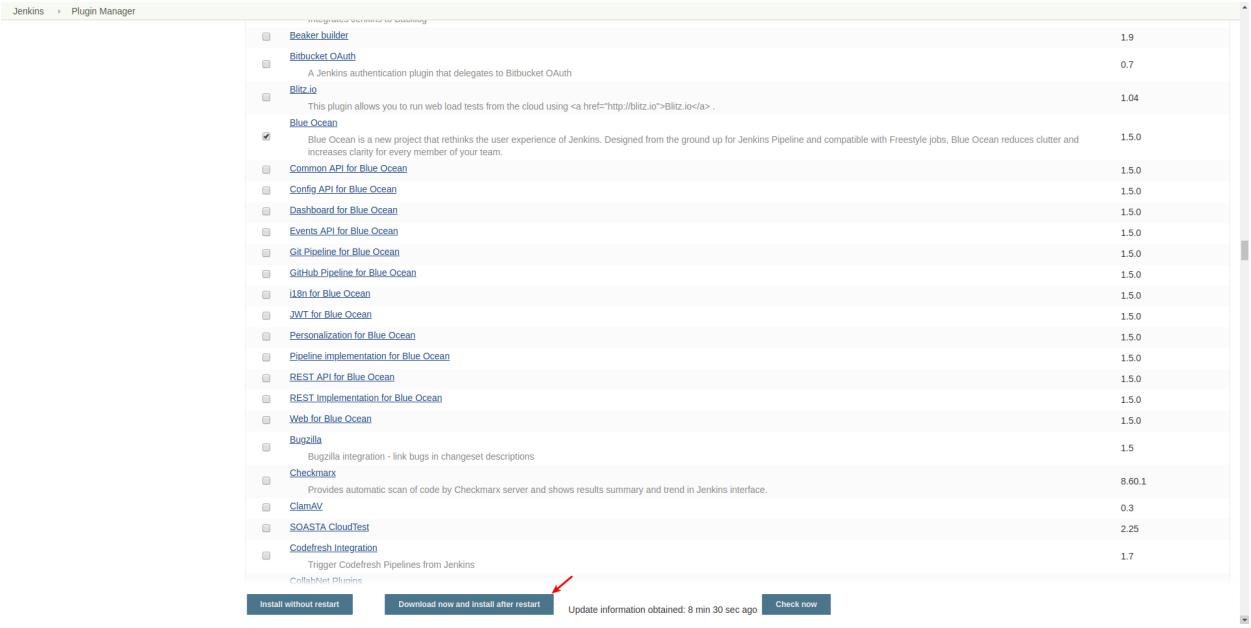
4. Create a user with password for future login.



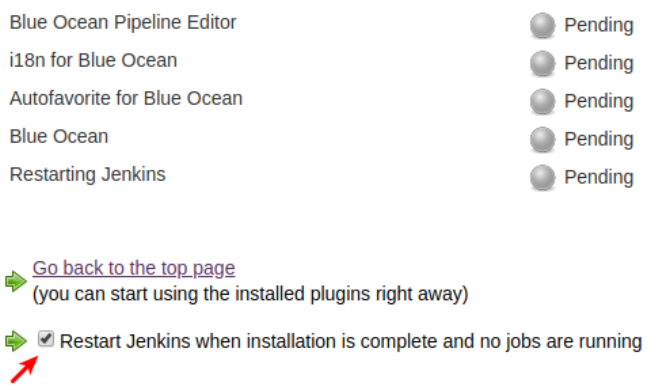
5. You can start using Jenkins now.



6. Now it is time to install other needed plugins which was not in the list of recommended plugins during initial settings. Go to Manage Jenkins -> Manage Plugins (*<master_ip_address>*:8080/pluginManager/) and in *Available* tab select **Blue Ocean** plugin and **Slave SetupPlugin**. Then click on 'Download and install after restart' button.

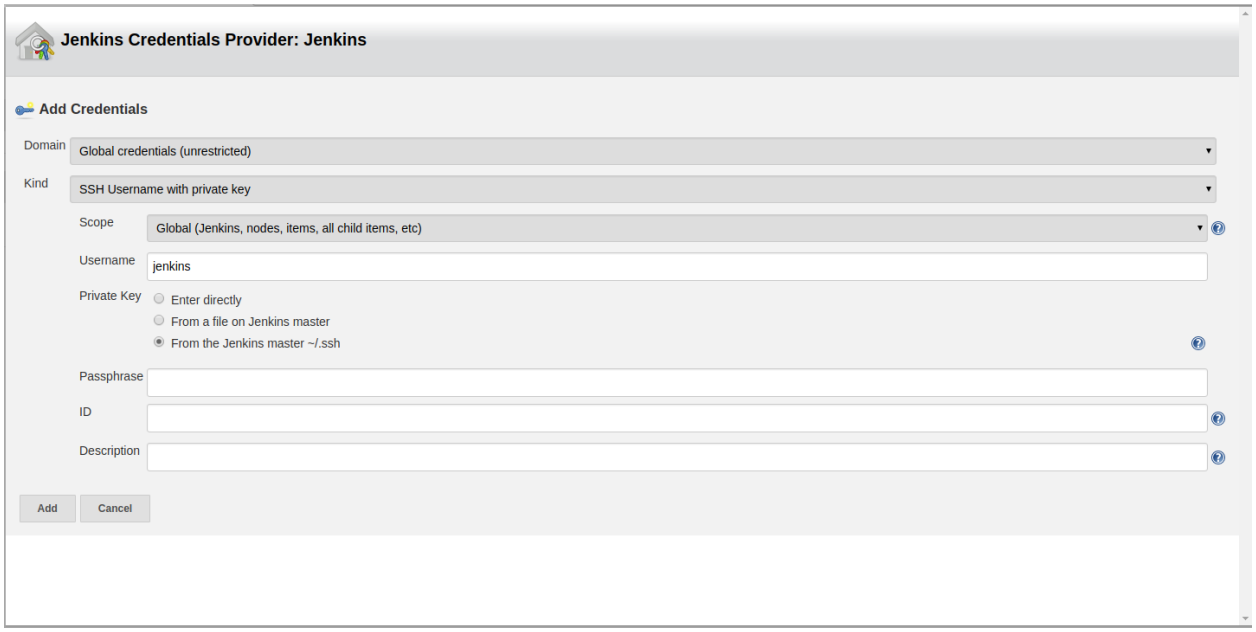


7. Don't forget to restart Jenkins when all plugins are downloaded.



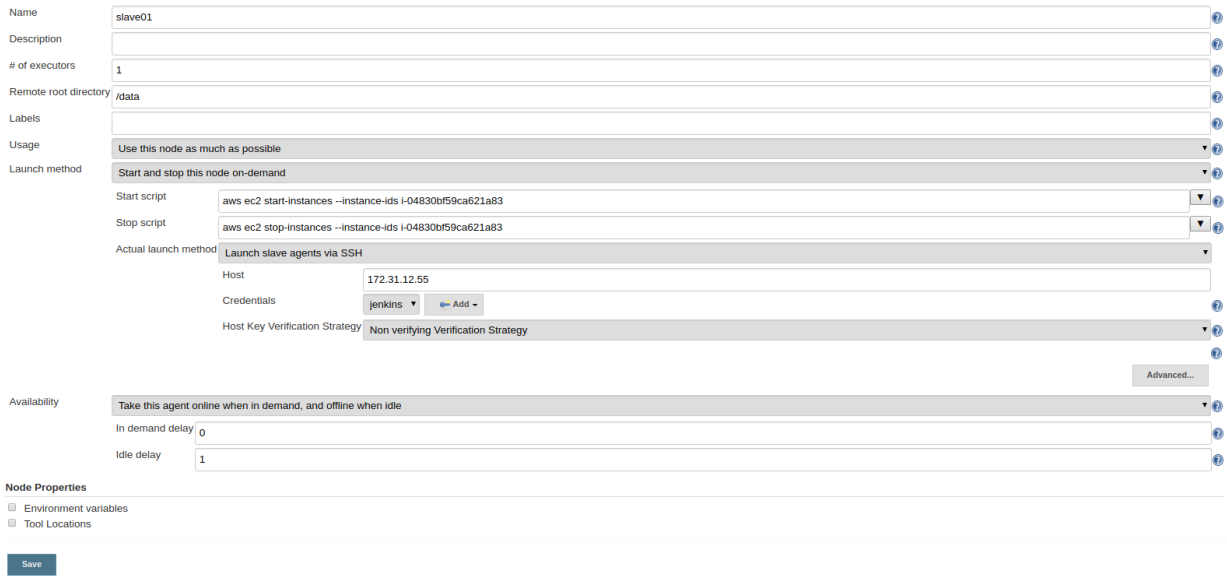
Set credentials for ssh connection between machines

1. Go to <*master_ip_address*>:8080/credentials/store/system/domain/_/newCredentials where we add new credentials.
2. Set credentials according to screenshot and confirm.



Slave setup

1. Go to Manage Jenkins -> Manage Nodes (<*master_ip_address*>:8080/computer).
2. Configure the slave according to screenshot. Don't forget to replace IP address and machine ID (use your machine private IP and ID).



Tips for aws console

Find machine ID

- aws ec2 describe-instances --filters 'Name=tag:Name,Values=<*machine_name*>' --query 'Reservations[*].Instances[*].[InstanceId]'

Find machine private IP

- aws ec2 describe-instances --filters 'Name=tag:Name,Values=<*machine_name*>' --query 'Reservations[*].Instances[*].[PrivateIpAddress]'

Start machine

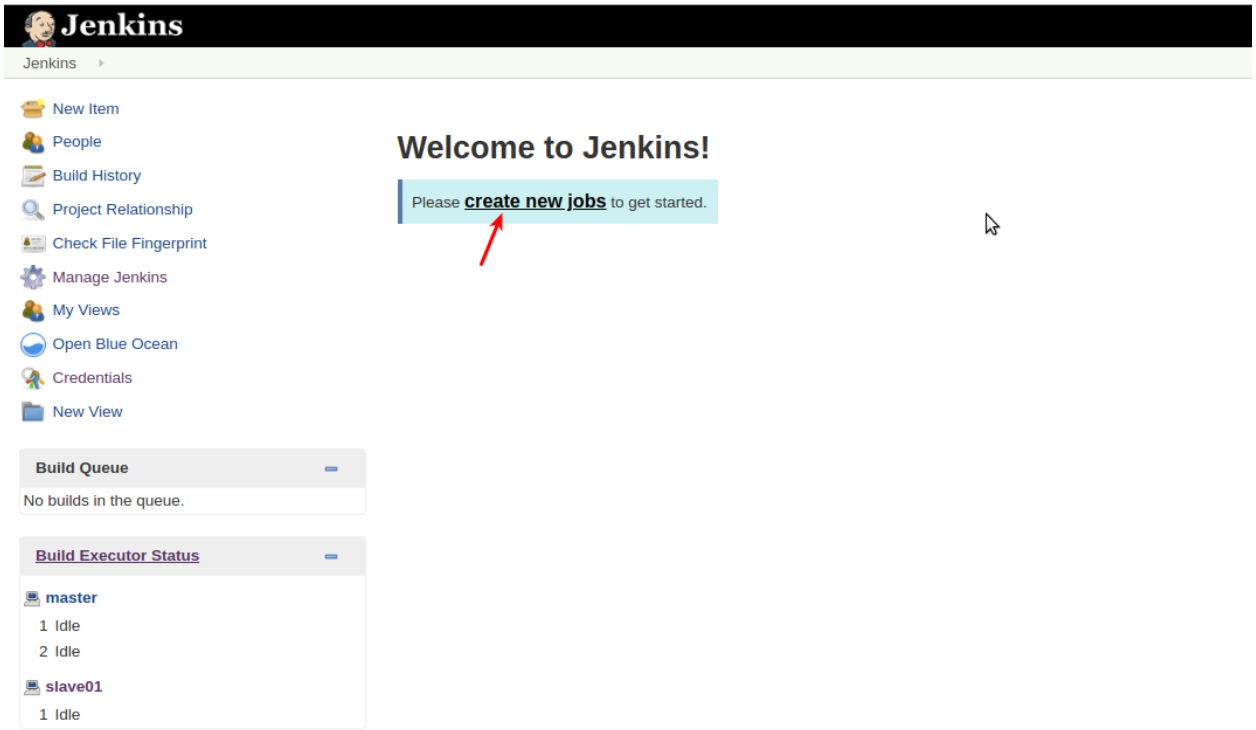
- aws ec2 start-instances --instance-ids <*machine_id*>

Stop machine

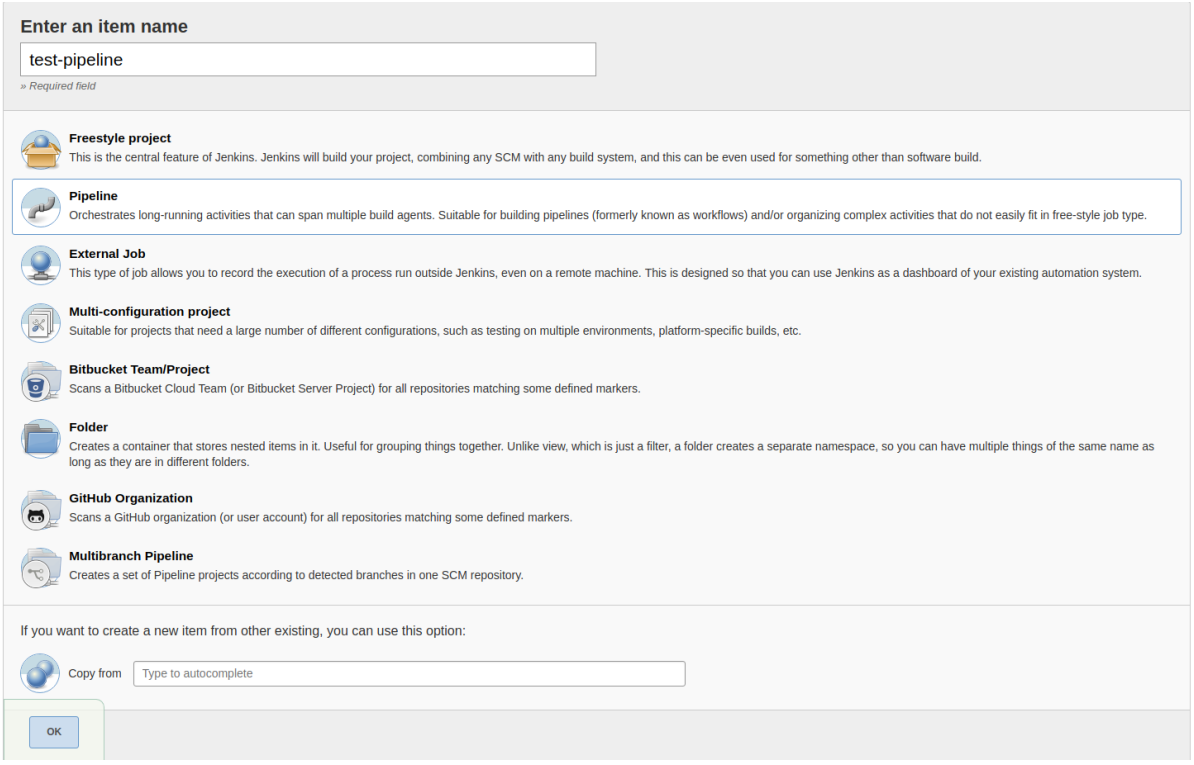
- aws ec2 stop-instances --instance-ids <*machine_id*>

Create new job

1. Click on create new job link.

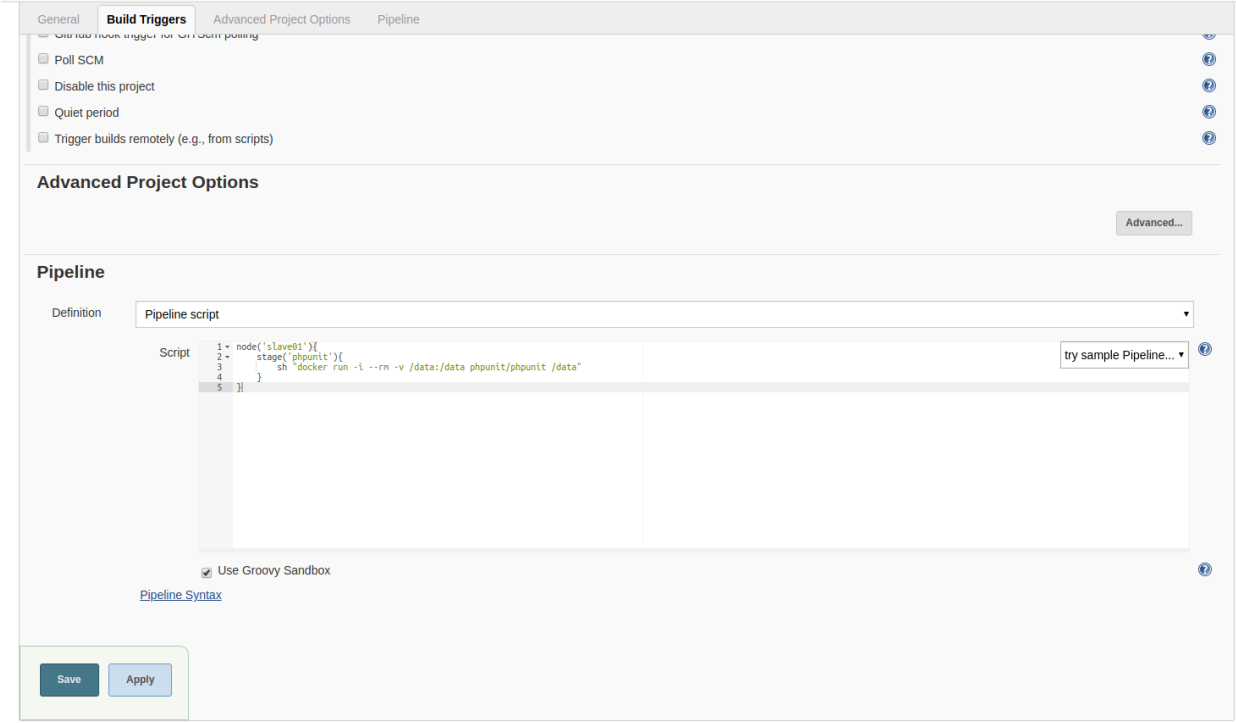


2. Enter job name, select 'Pipeline' and confirm.



3. Enter following pipeline script and save:

```
node('slave01'){
    stage('phpunit'){
        sh "docker run -i --rm -v /data:/data phpunit/phpunit /data"
    }
}
```



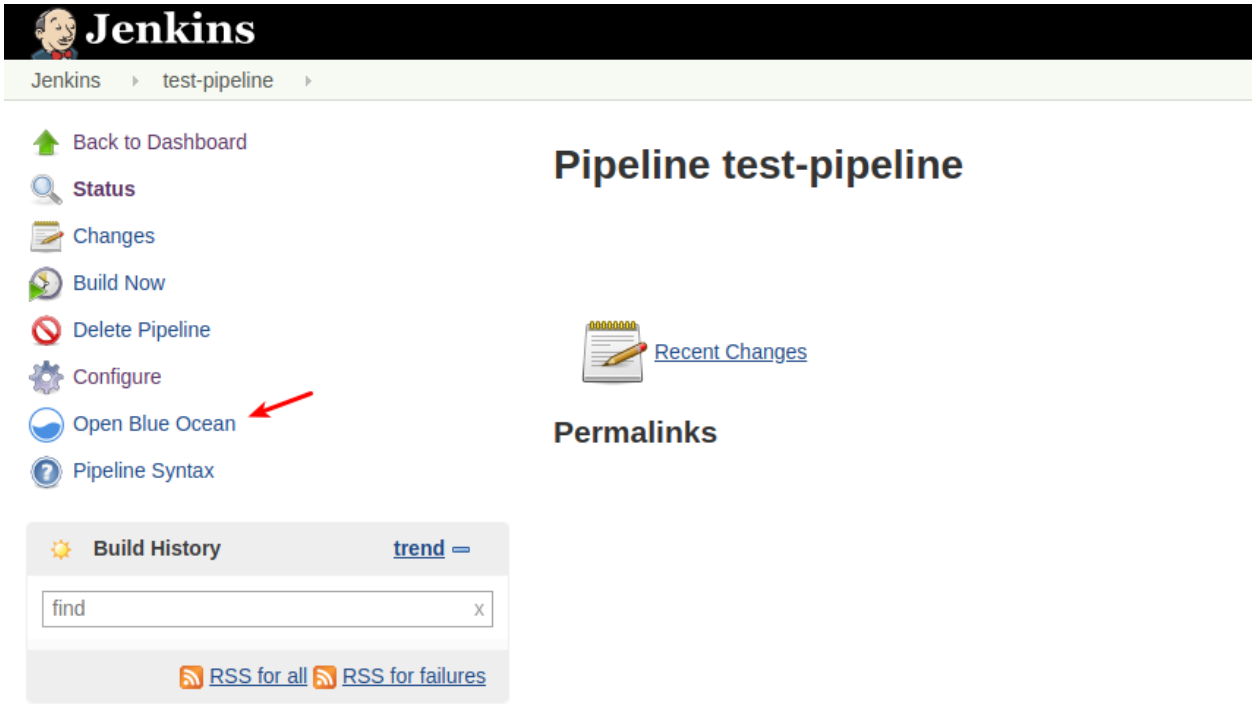
Notes:

- replace node name if you named your slave differently
- if you want to run something else that phpunit in docker, replace command ‘docker run ...’ with anything you want

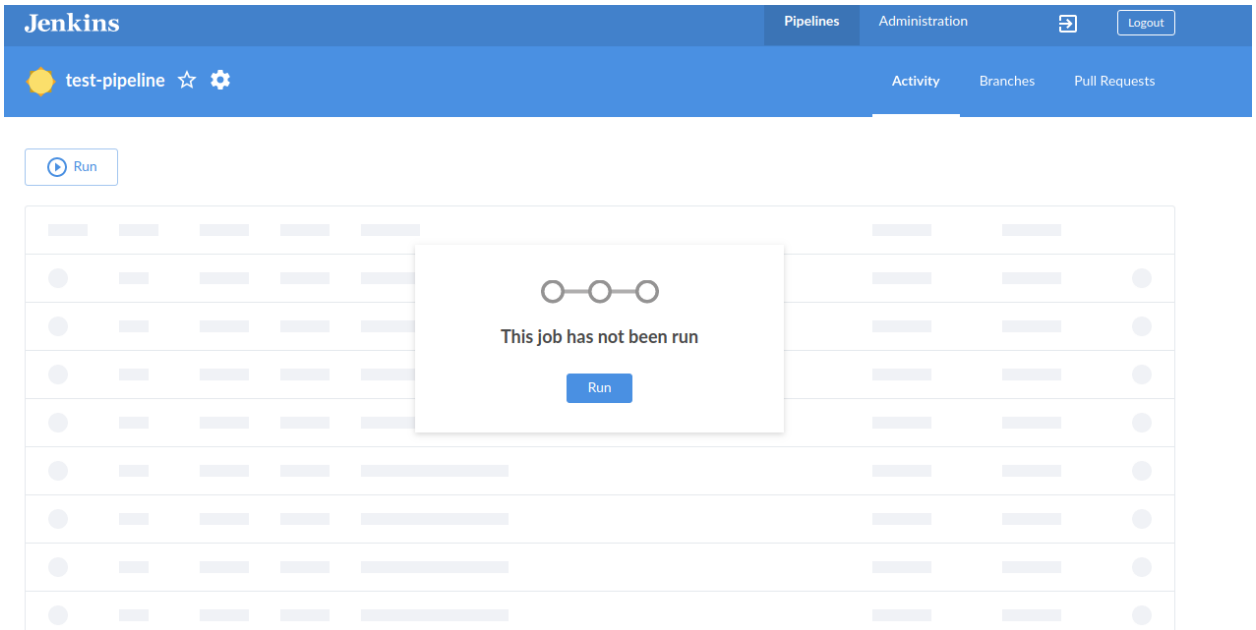
Run the job

Now you can finally run the job.

1. Switch to Blue Ocean for better user friendly view.



2. Run.



3. If you see green color, you did it!