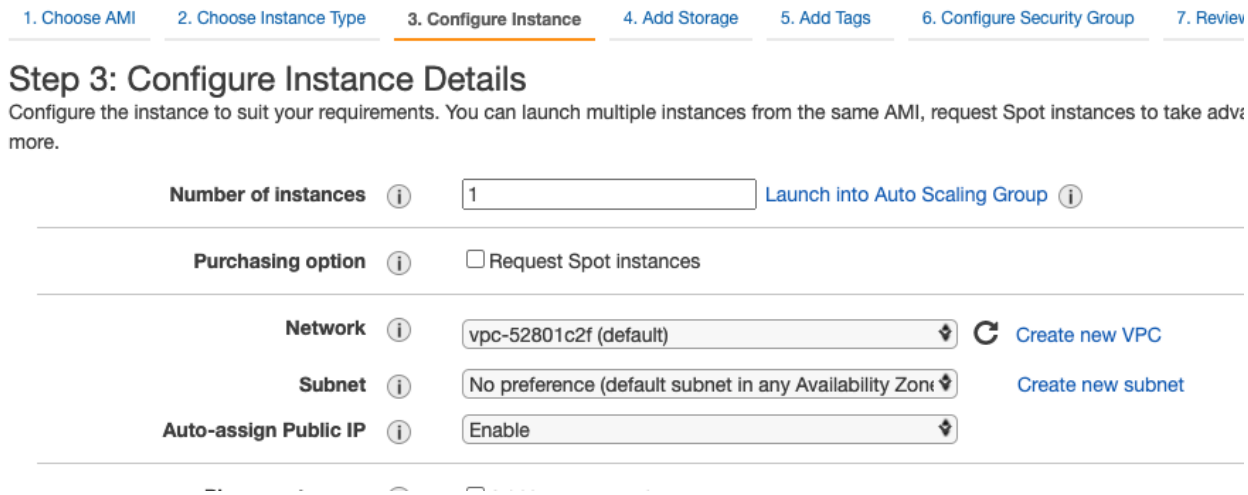
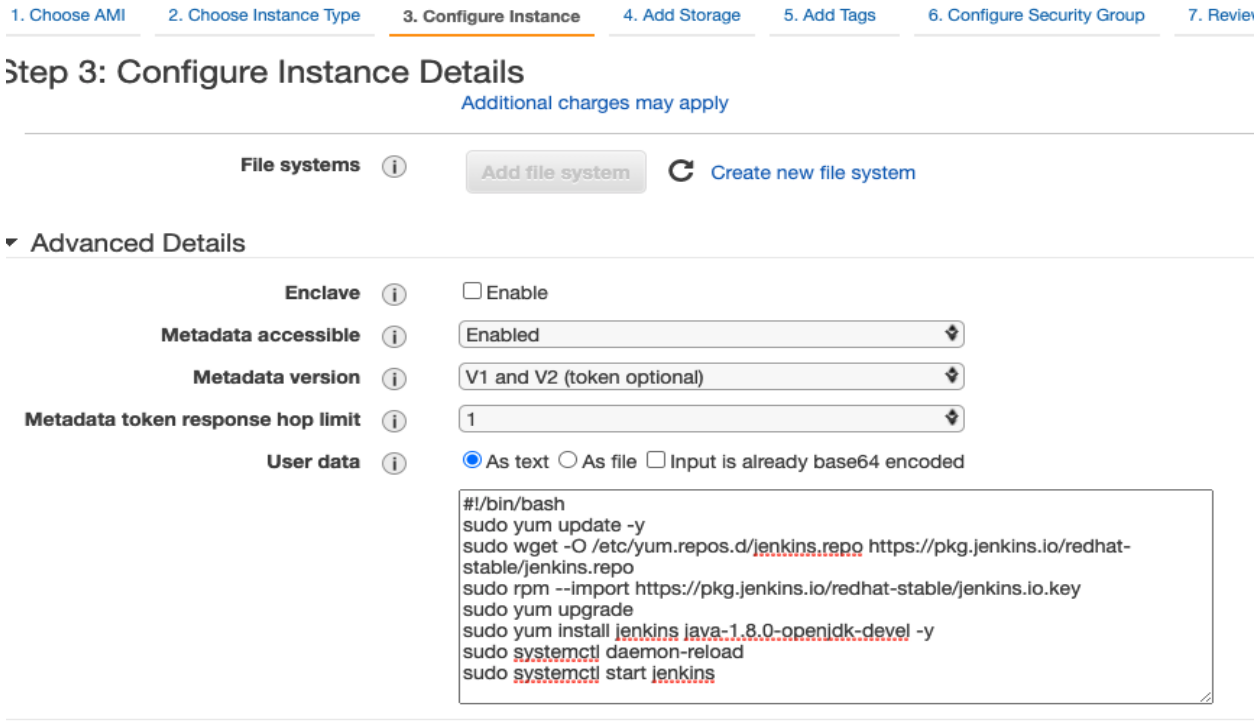
Documentation_Deployment2

Step 1

1. Launch new AWS instances
2. Select “Enable” on Auto-assign public IP



3. Use the following Bootstrap script on User data



4. For security groups set an SSH port of 22 Custom 0.0.0.0/0, HTTP port of 80 Custom 0.0.0.0/0, and a Custom TCP Rule with port 8080 My IP
5. Launch EC2 Instances

Step 2.

1. Use the command for SSHing

cd (path where your key lacated)
ssh -i (EC2 Keys) ec2-user@(public IPV4 of our instance)

2. Then run command for making sure Jenkins is runnig

sudo systemctl status jenkins

3. Then run command

sudo cat /var/lib/jenkins/secrets/initialAdminPasswrd

Step 3.

1. Enter on the new tab public IP4:8080
2. Paste what you recently copied from step 2 for the jenkins password.
3. Setup admin account on Jenkins

Step 4

1. On GitHub fork the DEPLOY2_CRON_JOB directory
2. Create a pipeline with a Build, test, deploy stage

```
CRON_SETTINGS=''' */10 0-21 * * *
pipeline {
    agent any
  triggers {
    cron (CRON_SETTINGS)
    }
    stages {
        stage('Build') {
            steps {
                echo 'Hello'
            }
        }
        stage('Test') {
            steps{
                echo 'Hello'
            }
        }
        stage('Deployment'){
            steps{
                echo 'Hello'
            }
        }
        }
        }
```

Step 5.

1. Create a webhook to our github repo
2. On our GitHub account go to setting and create a personal account token, and copy the value and save it somewhere (it will disappear).

Step 6.

1. Create new Item on Jenkins
2. Select the multibranch pipeline
3. Then add the branch source as GitHub and click on add then click on Jenkins.
4. For the ID field enter jenkins-webhook-id.
5. Set credentials next to the add button.
6. Then for the owner field enter your GitHub account info where the forked repository is hosted.

7. Save and Build every 10 minutes.