

Step1: ssh into the ec2 instance using the ssh -i keylocation instancename@public ip

Ex: ssh -i ./myKey.pem ec2-user@12.345.67.89

Step2: Access the website for your jenkins by entering <http://public-ip:port>

Ex: <http://12.345.67.89:8080>

Step3: Create a new item and enter a name for your pipeline project

Step4: Create your pipeline script

myScript:

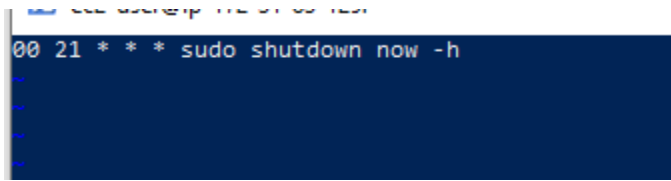
```
pipeline {
    agent any
    stages {
        stage('Build') {
            steps {
                echo 'Hello'
            }
        }
        stage('Test') {
            steps{
                echo 'Hello'
            }
        }
        stage('Deployment'){
            steps{
                echo 'Hello'
            }
        }
    }
}
```

Step5: set Build Triggers periodically and use cronjob syntax to schedule the time you want the build to trigger

Ex: TZ=America/New\_York (set timezone to New\_York)  
\*/10 \* \* \* \* (means at every 10th minute do something)

MyScript: TZ=America/New\_York  
\*/10 0-21 \* \* \* (trigger build at every 10th minute and stop at 9pm)

Step6: use the crontab -e and edit the file

A screenshot of a terminal window with a dark blue background. The first line shows a crontab entry: '00 21 \* \* \* sudo shutdown now -h'. Below this line, there are three lines of blue tilde characters (~) representing the cursor moving down the lines of the crontab file.

```
00 21 * * * sudo shutdown now -h
~
~
~
```

Step 7: Wrap up, fork github repo, and upload everything needed.

ExtraResources:

Documentation: <https://www.jenkins.io/doc/book/pipeline/>

Cronjobs: <https://kubernetes.io/docs/concepts/workloads/controllers/cron-jobs/>