

## Documentation\_Deployment2

### Step 1

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

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of lower prices, or request On-Demand instances to take advantage of higher availability.

Number of instances	<input type="text" value="1"/>	<a href="#">Launch into Auto Scaling Group</a>
Purchasing option	<input type="checkbox"/> Request Spot instances	
Network	<input type="text" value="vpc-52801c2f (default)"/>	<a href="#">Create new VPC</a>
Subnet	<input type="text" value="No preference (default subnet in any Availability Zone)"/>	<a href="#">Create new subnet</a>
Auto-assign Public IP	<input type="text" value="Enable"/>	

3. Use the following Bootstrap script on User data

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 3: Configure Instance Details

Additional charges may apply

File systems	<a href="#">Add file system</a>	<a href="#">Create new file system</a>
Advanced Details		
Enclave	<input type="checkbox"/> Enable	
Metadata accessible	<input type="text" value="Enabled"/>	
Metadata version	<input type="text" value="V1 and V2 (token optional)"/>	
Metadata token response hop limit	<input type="text" value="1"/>	
User data	<input checked="" type="radio"/> As text <input type="radio"/> As file <input type="checkbox"/> Input is already base64 encoded	
<pre>#!/bin/bash sudo yum update -y sudo wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io.key sudo yum upgrade sudo yum install jenkins java-1.8.0-openjdk-devel -y sudo systemctl daemon-reload sudo systemctl start jenkins</pre>		

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 located)  
ssh -i (EC2 Keys) ec2-user@(public IPV4 of our instance)
2. Then run command for making sure Jenkins is running  
sudo systemctl status jenkins
3. Then run command  
sudo cat /var/lib/jenkins/secrets/initialAdminPassword

#### 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

```

1  CRON_SETTINGS='' */10 0-21 * * *
2  pipeline {
3      agent any
4      triggers {
5          cron (CRON_SETTINGS)
6      }
7      stages {
8          stage('Build') {
9              steps {
10                 echo 'Hello'
11             }
12         }
13         stage('Test') {
14             steps{
15                 echo 'Hello'
16             }
17         }
18         stage('Deployment'){
19             steps{
20                 echo 'Hello'
21             }
22         }
23     }
24 }

```

## 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.

← → ↻ Not Secure | 34.201.46.121:8080/job/Deployment2/job/main/ ☆ ⚙ D ⋮

Dashboard > Deployment2 > main >

Up

Status

Changes

Build Now

View Configuration

Full Stage View

GitHub

Pipeline Syntax

Build History trend ^

find

✓ #6 Jul 30, 2021 5:10 PM

✓ #5 Jul 30, 2021 5:00 PM

✓ #4 Jul 30, 2021 4:50 PM

✗ #3 Jul 30, 2021 4:50 PM

✗ #2 Jul 30, 2021 4:43 PM

✗ #1 Jul 30, 2021 4:43 PM

Atom feed for all Atom feed for failures

### Branch main

Full project name: Deployment2/main

Recent Changes

### Stage View

	Declarative: Checkout SCM	Build	Test	Deployment
Average stage times: (Average full run time: ~3s)	1s	60ms	49ms	50ms
#6 Jul 30 13:10 No Changes	975ms	67ms	52ms	54ms
#5 Jul 30 13:00 No Changes	2s	65ms	59ms	51ms
#4 Jul 30 12:50 1 commit	599ms	50ms	37ms	46ms

### Permalinks

- Last build (#6), 16 sec ago

Jenkins

search

🔔 1 🛡️ 1 👤 Dilobar Irisova 🚪 log out

Dashboard > Deployment2 > main > #6

Back to Project

Status

Changes

Console Output

Edit Build Information

Delete build '#6'

Git Build Data

Restart from Stage

Replay

Pipeline Steps

Workspaces

Previous Build

## ✓ Build #6 (Jul 30, 2021 5:10:00 PM)

Keep this build forever

add description Started 3 min 38 sec ago Took 2.9 sec

Started by timer

Revision: 8b3234623982748317d325e76bf9bf304211c9e7

Repository: [https://github.com/DIrisova/DEPLOY02\\_CRON\\_JOB.git](https://github.com/DIrisova/DEPLOY02_CRON_JOB.git)

- main

REST API Jenkins 2.289.2

