

Install Jenkins on AWS

Video 6.3

What you will learn in this video

Practice:

- Assign an Elastic IP address to an EC2 instance
- Access the EC2 instance via SSH
- Install Jenkins

Recap of the Previous Video

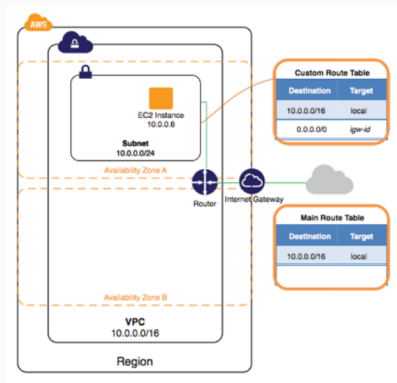


Image: <https://docs.aws.amazon.com/AmazonVPC/latest/GettingStartedGuide/getting-started-ipv4.html> ©Amazon Web Services, Inc.

Prerequisite

- You completed video 6.2
- You have the .pem private key stored on your machine

Elastic IP Address

- It assigns a stable IP address to the Jenkins instance
- It keeps the same IP address in case you stop/restart the instance
- An Elastic IP address is free if associated to a running EC2 instance but it is charged when associated to a non running EC2 instance
- If you can, associate an SSL certificate to the Elastic IP address to increase security

- How to assign an Elastic IP address to an EC2 instance
- Access the EC2 instance via SSH
- Install Jenkins on the EC2 instance

Commands (1)

SSH to EC2 instance

```
ls -lah /path/jenkins-key.pem
```

```
chmod 400 /path/jenkins-key.pem
```

```
ssh -i /path/jenkins-key.pem ec2-user@ec2-XXX.compute-1.amazonaws.com
```

Install Java 8

```
sudo yum update -y
```

```
sudo yum install -y java-1.8.0-openjdk-devel
```

```
sudo alternatives --config java
```

Commands (2)

Install Jenkins

```
sudo wget -O /etc/yum.repos.d/jenkins.repo
```

```
↪ http://pkg.jenkins-ci.org/redhat-stable/jenkins.repo
```

```
sudo rpm --import
```

```
↪ http://pkg.jenkins-ci.org/redhat-stable/jenkins-ci.org.key
```

```
sudo yum install jenkins
```

Start Jenkins at boot time

```
sudo systemctl start jenkins.service
```

```
sudo systemctl enable jenkins.service
```


Next Video

Video 6.4 Configure the EC2 plugin

