

Lab 1 - Installing Jenkins on AWS EC2

Sign into AWS console

The tutor will provide you with individual sign-in credentials.

Create an EC2 instance

- Image = Ubuntu 20.04 LTS (64-bit)
- Instance type = t2.medium
- Add tag: name = (your name)
- Security group - add following inbound rules:
 - SSH TCP 22 from my IP address
 - HTTP port 80 from anywhere
 - TCP 8080 from anywhere
- Create a new key pair, with name = (your name) - and make sure you download it and keep it safe!

Connect to EC2 instance via SSH

After the EC2 instance has started running, connect to it from your PC.

- Copy the public IP address of the EC2 instance
- cd into the folder where the private key file (.PEM file) was downloaded (your name.pem)
- ssh -i (name).pem ubuntu@(ip address) [for example, ssh -i andrew.pem ubuntu@35.176.112.205]
- Say yes to trusting the fingerprint

Download and run the jenkins install script

- git clone https://github.com/qa-apprenticeships/jenkins-scripts
- cd jenkins-scripts
- chmod +x install-jenkins.sh
- ./install-jenkins.sh

Run and configure Jenkins for the first time

- Copy the initial admin password that's printed out at the end of the install process

- Browse to `http://(ip address):8080`
- Paste the initial admin password into the box
- Install suggested plugins
- Set up the first user (e.g. username = jenkins, password = password)
- Agree to Jenkins URL
- Save and finish / start using Jenkins