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