

Exercise 12

Launching the classroom virtual machine in Amazon EC2

Prior Knowledge

Amazon AWS / EC2 Console

Learning Objectives

Be able to run the classroom VM in Amazon EC2

Software Requirements

- AWS
1. Start up the AWS Console and login with your own credentials.
 2. Use this link to start the launch image page for the right Amazon AMI:
<http://freo.me/launch-oxclo>
 3. Choose t2.large or m4.large as the instance size. Click **Next Configure Instance Details**.
 4. Start using normal EC2 startup config. For the security group: If you just want to use the command line, you can simply open port 22 as normal. If you want access to the web consoles (e.g. Spark on 4040) then you need to enable these ports as necessary. Note this may open up your instance to attack.
 5. Choose a keypair you have access to!
 6. Once you have started up, find the ip address.
 7. Use the username oxclo to login:
`ssh -i <yourkeypair.pem> oxclo@<ipaddress>`
The password is **oxclo**
 8. Unfortunately since this was not originally a EC2 image (instead it was installed on VMWare to start with) it is not configured to use EC2's SSH security. Hence once this is running anyone can login with oxclo/oxclo.
 9. So immediately change the password: `passwd`
 10. If you are going to leave this server running, I recommend you reconfigure SSH security to use keys and disable password authentication: See here:
<https://help.ubuntu.com/community/SSH/OpenSSH/Keys>

That's all!