

EC2 linux lab

Dr Peadar Grant

September 27, 2022

1 Create EC2 and VPC

Go into the console and delete any existing EC2 and VPCs you have created.

Create an EC2 instance following last week's lab in the AWS Console.

Use the `./check_lab_vpc.ps1` script to confirm that your VPC is correct before proceeding to create the EC2.

2 Linux familiarisation

These tasks are to re-familiarise you with Linux. You may have to research some of these commands. Attempt these while logged in to Amazon Linux.

2.1 Yum

Use yum to update all software

2.2 Git

Use yum to install git.

Try to checkout this repository on the EC2 instance.

2.3 Text editor

Use the nano text editor.

2.4 Text-mode web browser

Install the elinks web browser using yum.

2.5 Web server

Install apache web server:

```
yum -y install httpd
```

Enable to start

```
sudo systemctl enable httpd
```

Start now

```
sudo systemctl start httpd
```

Try to connect to your instance's public IP from your browser over HTTP (not HTTPS!).

You will find it won't work. This is because security group is not letting traffic in.

Modify your security group in the console to permit web traffic in.

2.6 Website

Navigate to the `/var/www/html` directory. Create an `index.html` using `nano`. Refresh your web browser and confirm that your page is now online.

3 Cleanup

Make sure to terminate your instance and delete your VPC when done.