In this week's lab are going to get started building our continuous delivery pipeline. We will be deploying our applications to Amazon Web Services.

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So to get started navigate to <https://console.aws.amazon.com/console/home?nc2=h_ct&src=header-signin> and click "Create a new AWS account"

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Enter your email address, password, AWS account name and enter the captcha and click continue.

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Enter your contact information for AWS, your full name, phone number, country, address, city, state, postal code and accept the terms, then click continue.

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Enter your billing information for AWS, your credit or debit card number, expiration date, year, cardholders name and billing address. Then click verify and continue.

**Note: The service we will be using in this module is free; your credit/debit card is needed by AWS to verify you are a real person, and to prevent spammers, AWS will temporarily charge $1 dollar to verify the AWS account being created.**

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Enter the type of verification code you would like to receive, the country or region code, your mobile number and the security check captcha and send SMS. You will then receive a verification code via text or phone call, depending on what you choose.

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Enter the verification code which you just received and click continue.

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Now complete your sign by selecting "Basic support" this will allow you to avail of the free AWS services. **Note: you will be charged a monthly cost if you select other payment plans.**

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Fantastic you are now signed up!

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Fantastic, you will now be redirected to the AWS management console.

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Click on the search bar on the top of the page and type in EC2, then select "EC2 virtual servers in the cloud" from the search results as shown. This is where we are going to be launching our continuous deployment pipeline.

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On the sidebar, select free tier only to ensure the machine instances you will be looking at are free.

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For our Continuous delivery pipeline, we will be using Ubuntu 20.04 64-bit (x86) so click the select button beside Ubuntu 20.04 and select 64-bit (x86).

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Select the t2.micro free tier machine instance and then click review and launch.

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You will then be shown the details about your machine instance click launch.

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Select create a new key pair from the dropdown list, select Key pair type to be RSA, and select devops-ec-access to be the key pair name, and click download key pair.

This is a very important key pair, so make sure to keep this key pair somewhere safe and somewhere you will remember where it is.

Now click Launch Instances.

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Your instance will be then launched; this may take 1 or 2 minutes for instance to complete launching.

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You will then be shown your ec2 instances we have launched; click the instance id.

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Click the connect button to see the options to connect to the instance.

Copy the public IPv4 DNS; we will need this to connect the machine.

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Select the SSH client for connecting to our instance, here we can see the commands we will run to connect to our instance.

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Now let's connect to our machine!

Launch Git Bash (if you are using Windows) or your Terminal (if you are using MAC) and use the cd command to change the directory to where you downloaded the DevOps-ec-access.pem file.

Use the run the command "chmod 400 DevOps-ec-access.pem" to allow the pem file to be used to connect your instance.

Now to connect to the instance, run the command

" ssh -i "devops-ec-access.pem" [public IPv4 DNS]" " to connect to your ec2 instance.

The public IPv4 DNS is the DNS of your machine so in this case, the DNS is [ubuntu@ec2-18-222-241-106.compute-1.amazonaws.com](mailto:ubuntu@ec2-18-222-241-106.compute-1.amazonaws.com)