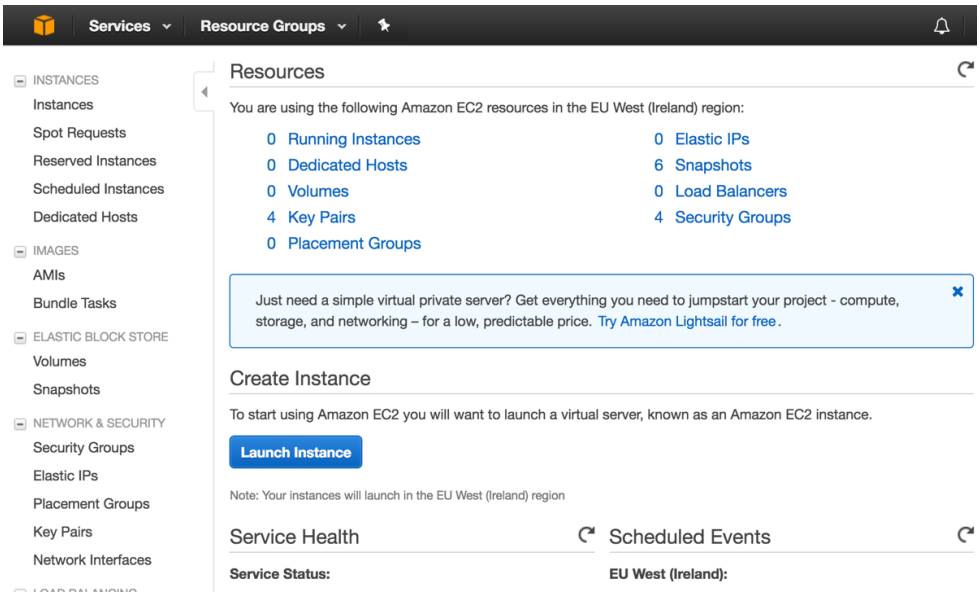
Setup an Amazon GPU Server

1. Create an account on Amazon AWS (and make sure to get the 100$ through the education program)
2. Sign in to Amazon AWS
3. Locate the section *Compute* -> **EC2**
4. Press the **EC2** button to go to this part of the website

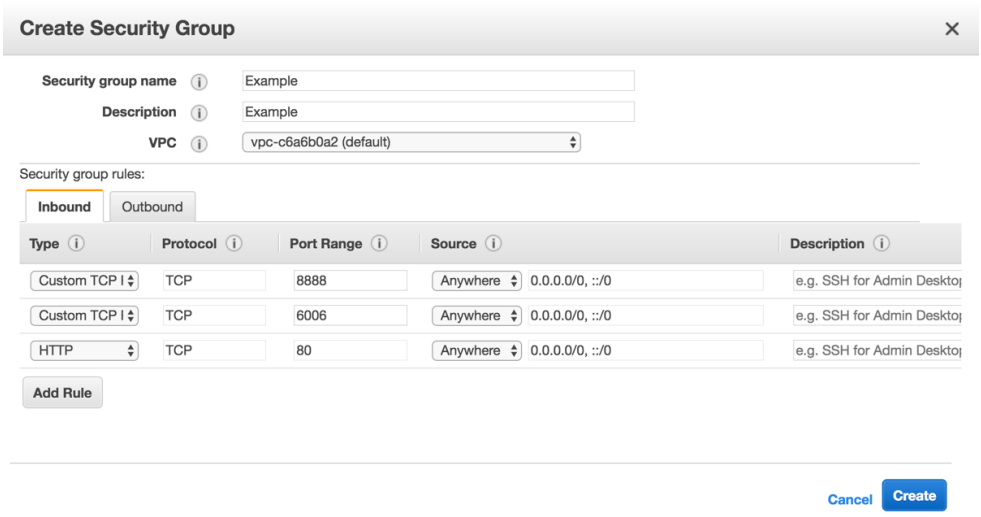
At this point you will see an interface like the image below:



On the page pictured above, we will only use two pages which can be accessed trough the navigation bar on the left: *Network & Security* -> **Security Groups** and *Instances* -> **Instances**.

5. Go to the **Security Groups** page through the navigation panel on the left.
6. Press the big blue button reading **Create Security Group**.

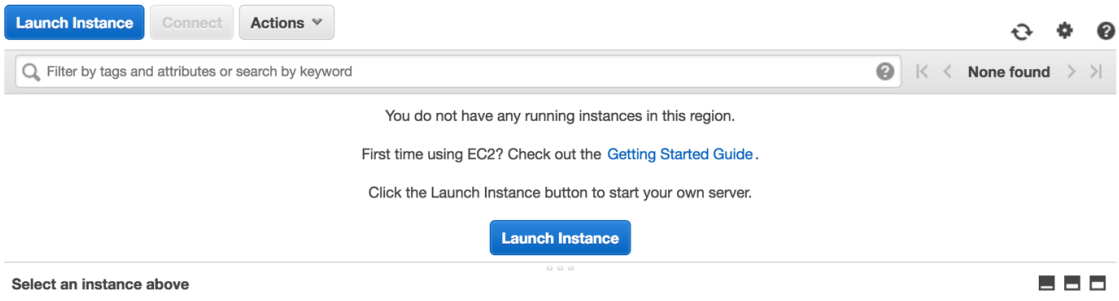
At this point you will see an interface like the image below:



On the page pictured above you can see the rules you will need to fill out in order to access the server.

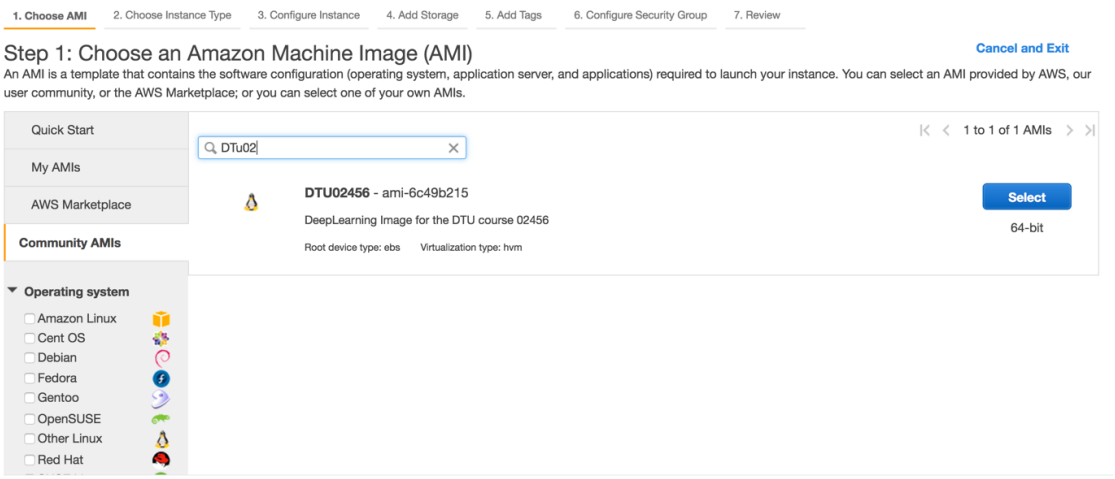
7. Give the security group a name and optionally a description
8. Create three new rules in the inbound section
    a. Custom TCP – **Port: 8888** – **Source: Anywhere**
    b. Custom TCP – **Port: 6006** – **Source: Anywhere**
    c. HTTP – **Port: 80** – **Source: Anywhere**
9. Click **Create**
10. From here go to the **Instances** page through the navigation panel on the left.

At this point you will see an interface like the image below:



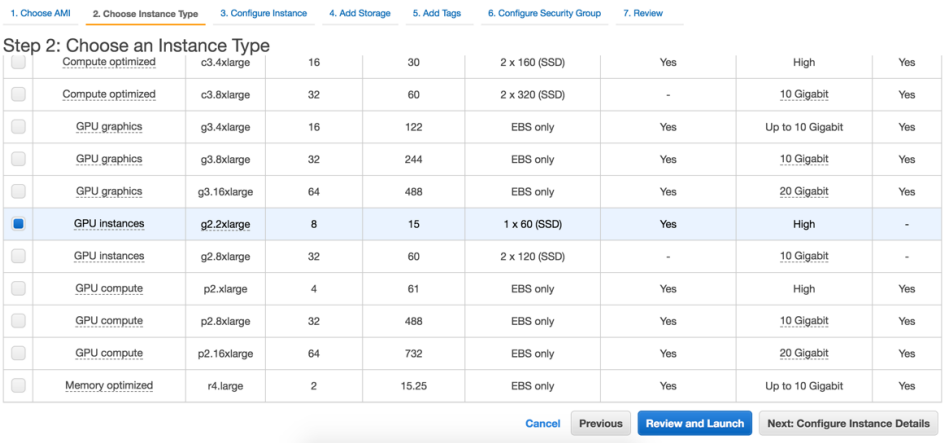
11. Press the big blue button reading **Launch Instance**.

At this point you will see an interface like the image below:



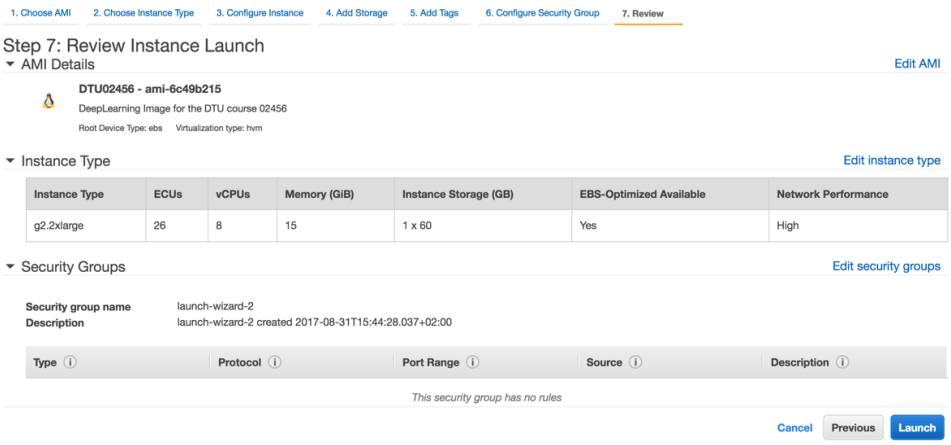
12. Select **Community AMIs**
13. Search for **DTU02456**
14. Press **Select**

At this point you will see an interface like the image below:



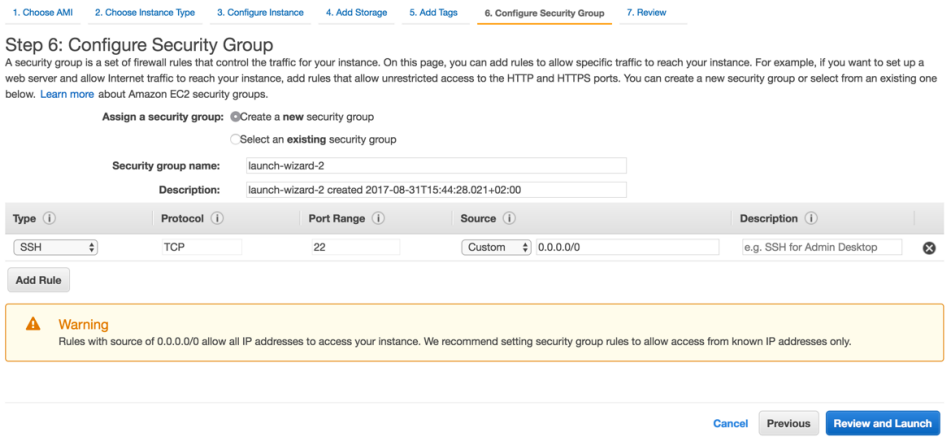
15. Choose an instance (for GPU choose: *GPU Instance* -> **g2.2xlarge**)
16. Press **Review and Launch**

At this point you will see an interface like the image below:

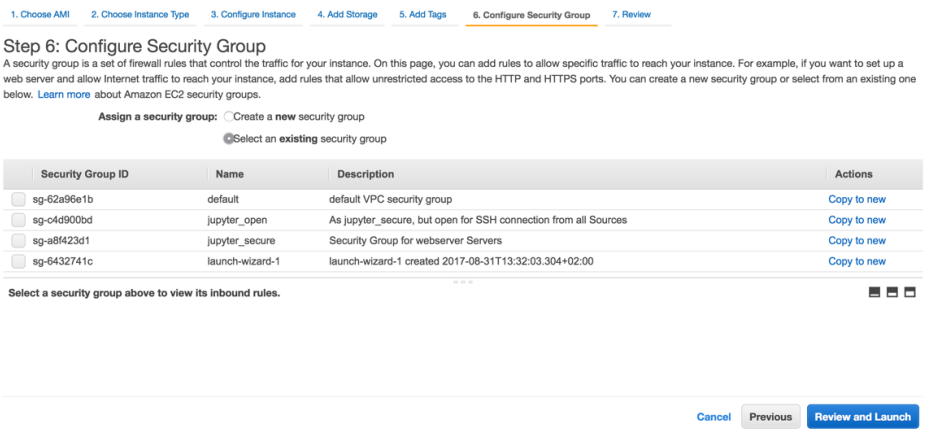


17. Scroll down to the **Security Groups** section
18. Press **Edit security groups**

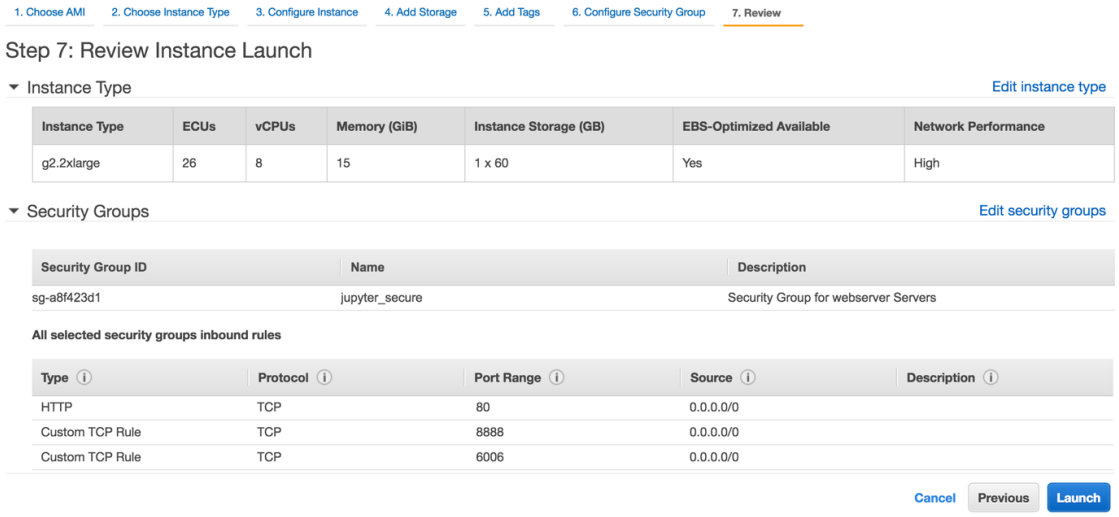
At this point you will see an interface like the image below:



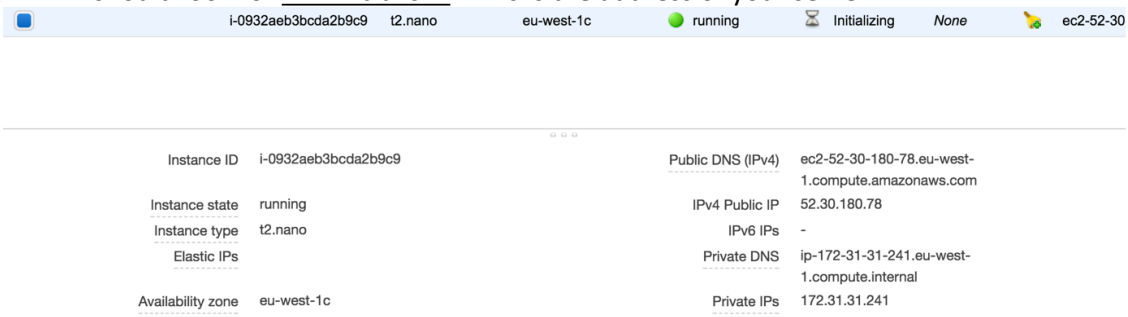
19. Press **Select an existing security group** and choose the security group you created



20. Press **Launch** and you are done



21. Back on the **Instances** screen you will now see a new instance
22. Initially it is **pending**, but once it is ready select it
23. You will then see an information screen in the bottom of the page. On the right you should look for **IPV4 Public IP**. This is the address of your server.



24. Copy paste this IP-address into your browser and you will get a login screen
25. The username is: **deep_learning** and the password is **deep_learning**.