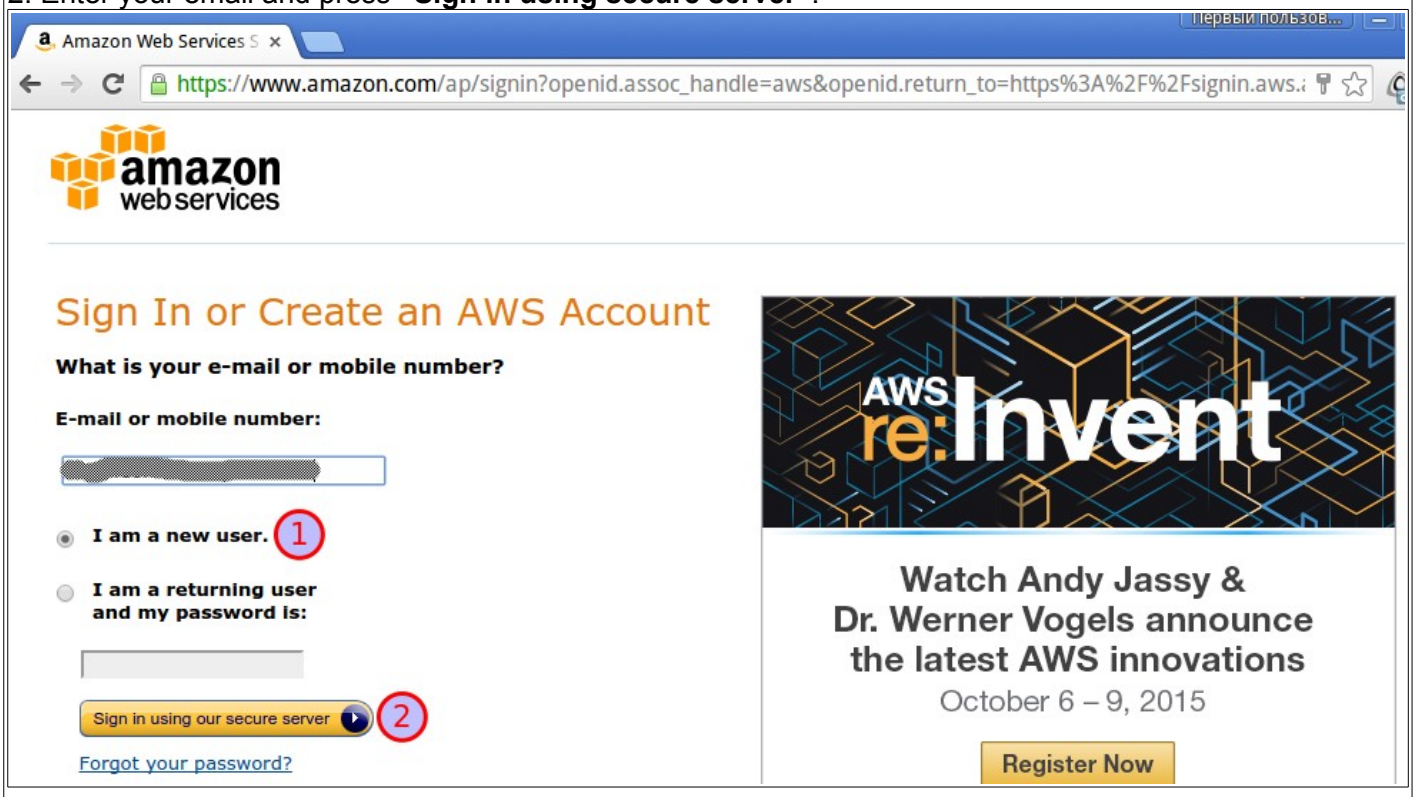
This document will guide you through install process of ubuntu server on aws and set it up for using with Minla LTE receiver board.

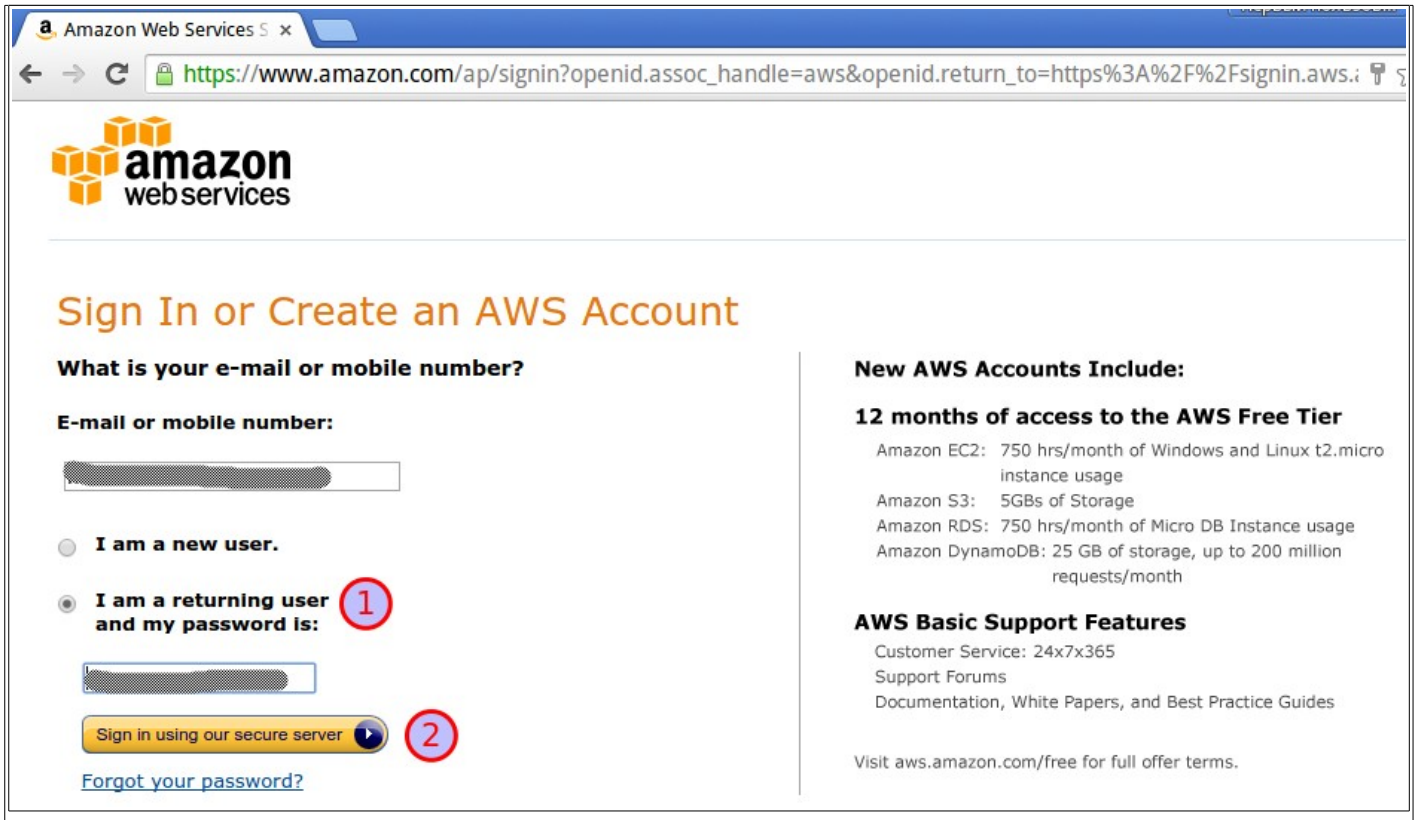
1. Go to **https://aws.amazon.com/** and press **"Sign in to the Console"**.

2. Enter your email and press **"Sign in using secure server"**.

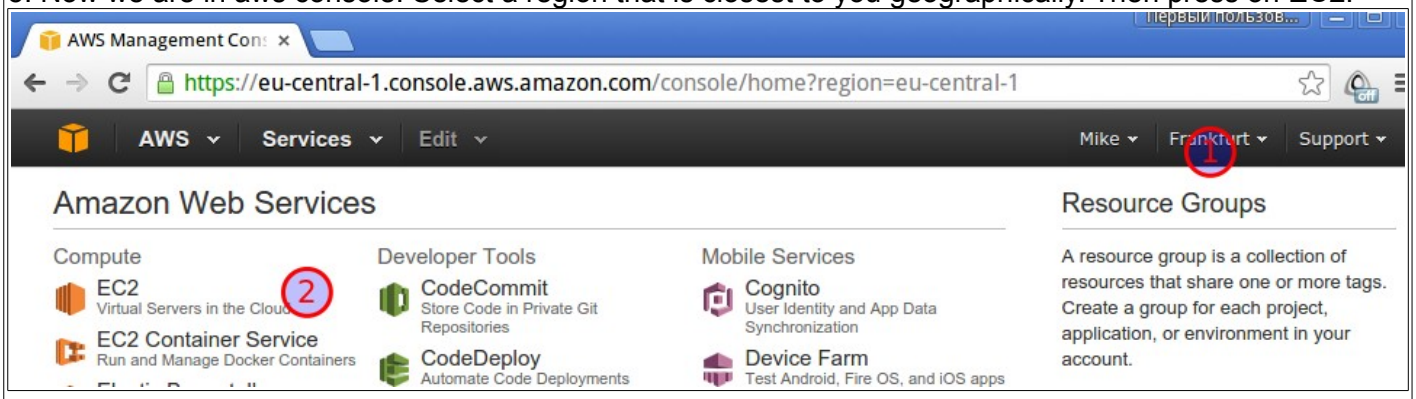


3. On the next screens enter your registration information, contact information, payment information, pass identity verification and select **Basic (Free)** support plan.
Once you completed your registration press "**Sign in to the Console"** button again.

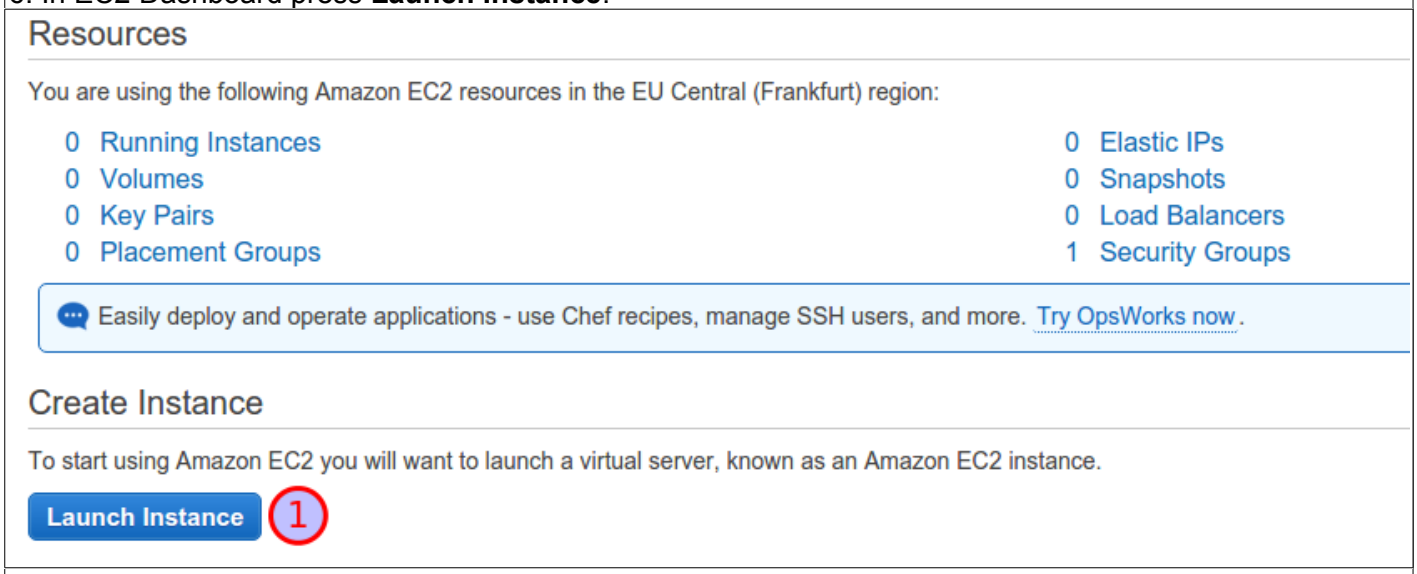
4. Login to console using your registration email and password.



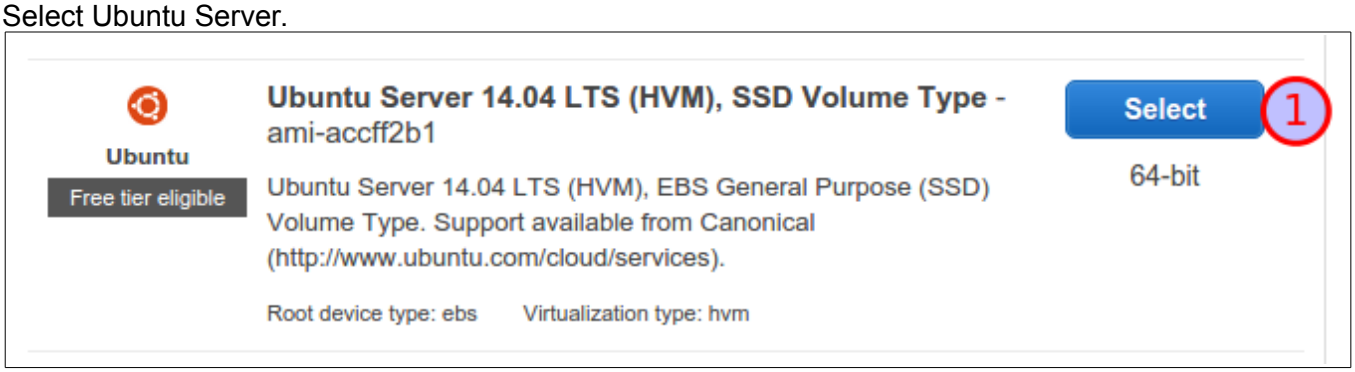
5. Now we are in aws console. Select a region that is closest to you geographically. Then press on **EC2**.



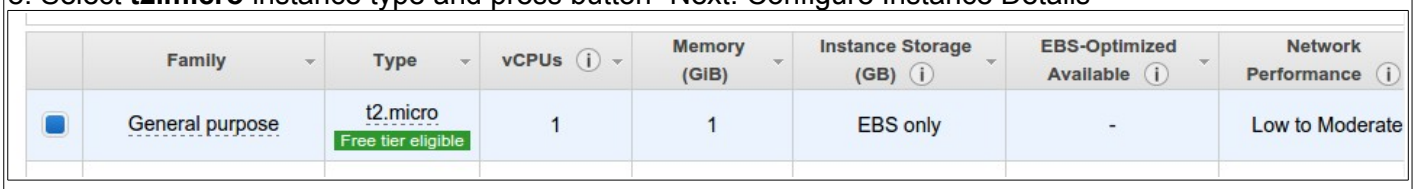
6. In EC2 Dashboard press **Launch Instance**.



7.Select Ubuntu Server.

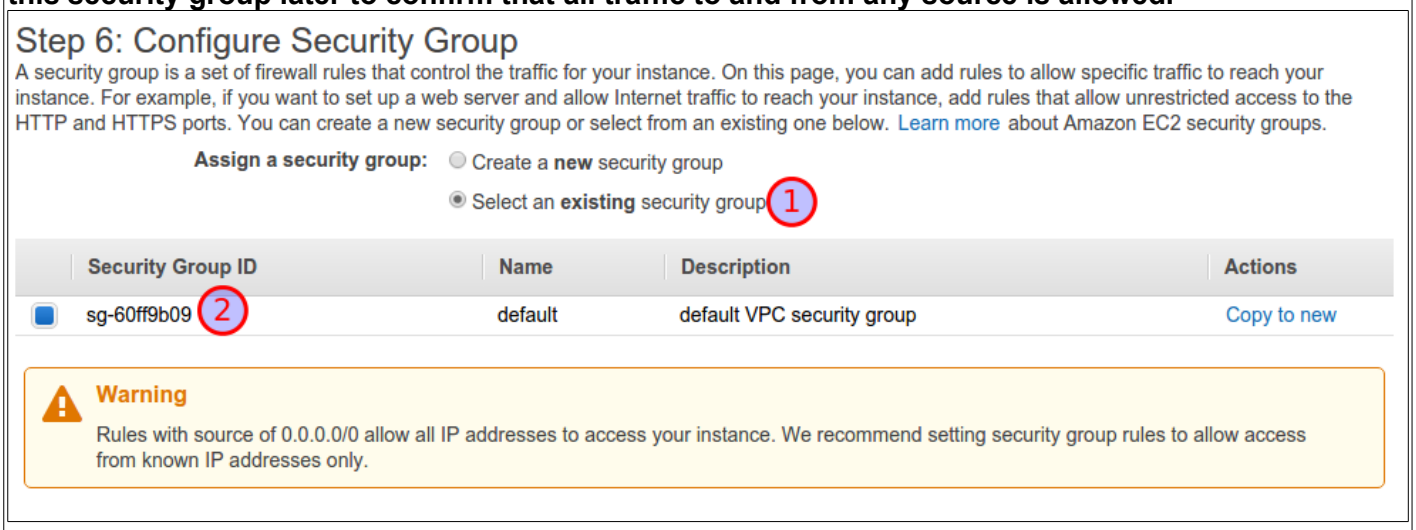


8. Select **t2.micro** instance type and press button “Next: Configure Instance Details”



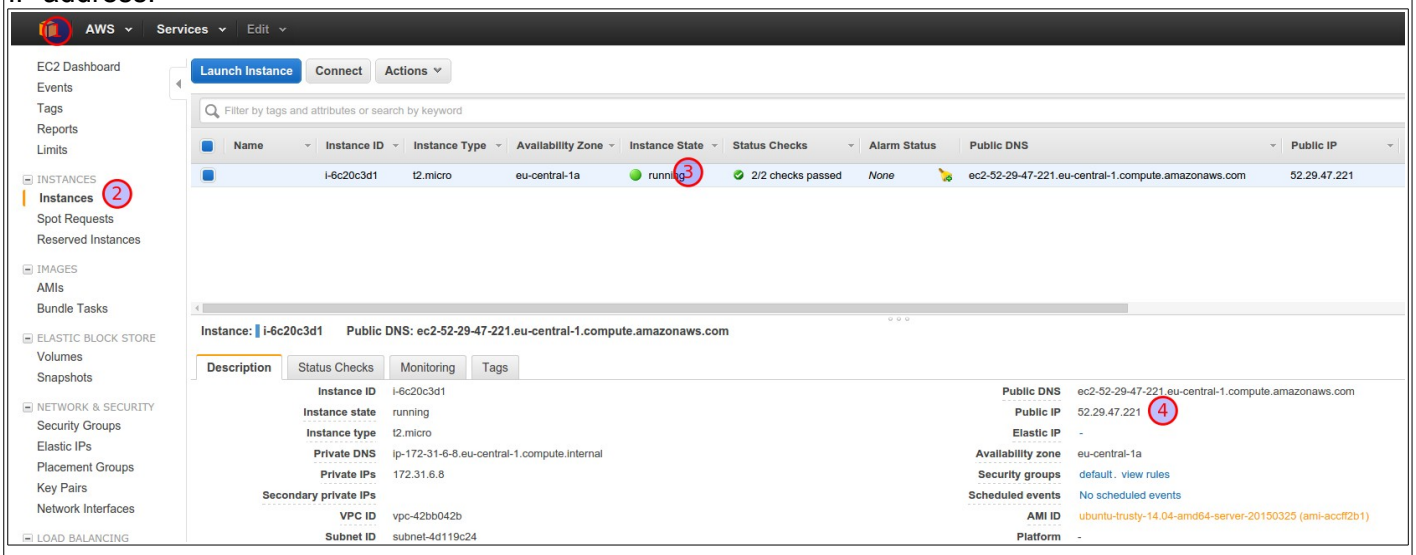
	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
■	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate

9. Press “Next” until step 6 (“Configure Security Group”). This is your server firewall settings. For now just select “Select an existing security group” and use the default one. **Make sure you review the details of this security group later to confirm that all traffic to and from any source is allowed.**

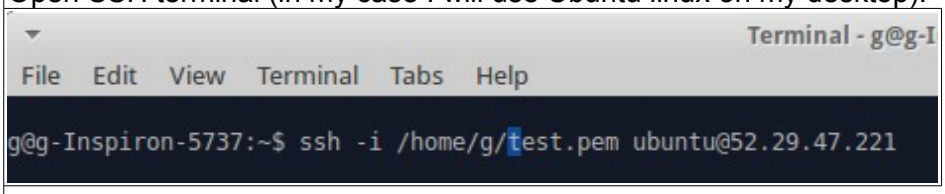


10. Proceed with “Review and Launch” and “Launch”.
At some step you will be asked for keypair. You need to create a new one or use an existing if you already created one before. It's important because without keypair you will loose access to the server.
So for now just create a new one. Remember to download and save it in known place on your hard drive. Keep it secure.
When completed you can launch your new instance.

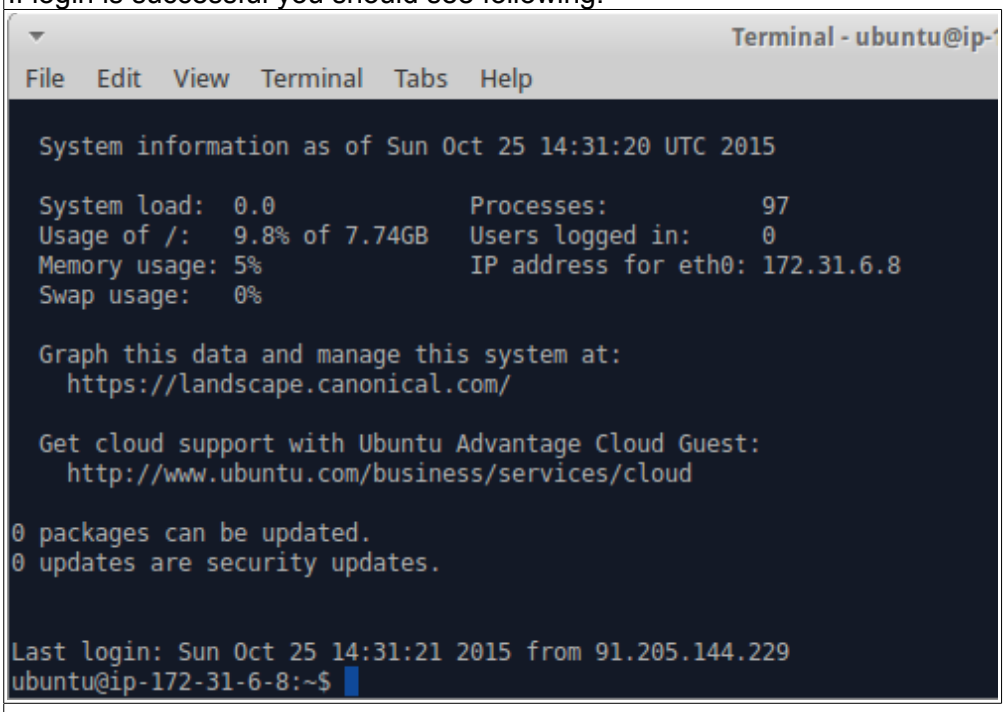
11. Next go back to EC2 control panel, select “Instances”, check that state is “running” and note your Public IP address.



12. At this step we finished with AWS web site.
Next we will login to server via SSH and configure it to run web server and node.js.
Open SSH terminal (in my case I will use Ubuntu linux on my desktop).



If login is successful you should see following:



Next just run following commands in terminal:
sudo apt-get update
sudo apt-get upgrade
sudo apt-get install apache2
curl --silent --location https://deb.nodesource.com/setup_4.x | sudo bash -
sudo apt-get install --yes nodejs
cd /var/www/html/

sudo npm install forever -g
sudo npm install ws –save
sudo chmod 0777 /var/www/html

Copy server *.js file and control panel *.html file to /var/www/html by any sftp client.
To run server js script you need to do:
screen
forever /var/www/html/server.js

Then press CTRL+A+D and close ssh terminal.

You can test if your web server works by accessing your AWS ip address/qc.html in your browser.