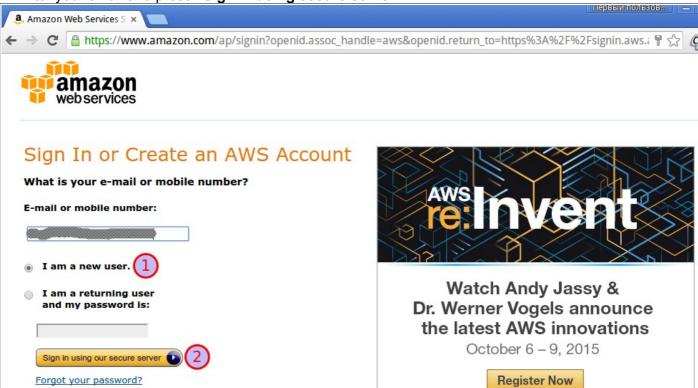
This document will guide you through install process of ubuntu server on aws and set it up for using with Minla LTE receiver board.

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



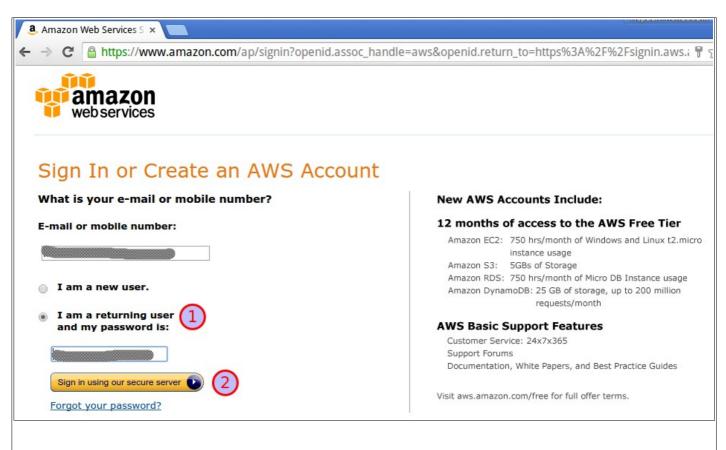
2. Enter your email and press "Sign in using secure server".

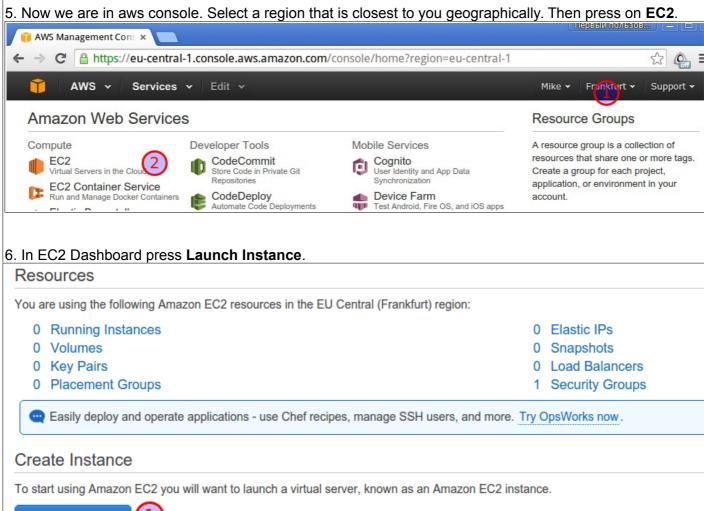


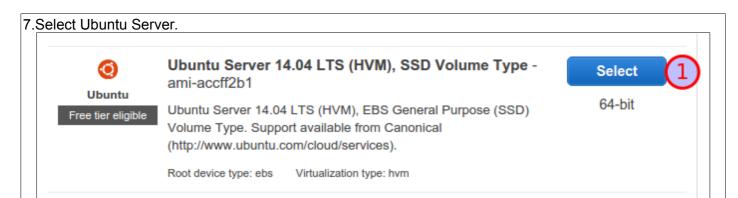
- 3. On the next screens enter your registration information, contact information, payment information, pass identity verification and select Basic (Free) support plan.
- Once you completed your registration press "Sign in to the Console" button again.
- Login to console using your registration email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

Forgot your password?

Launch Instance







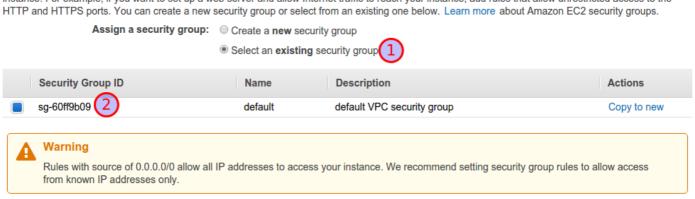
8. Select t2.micro instance type and press button "Next: Configure Instance Details"



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.**

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.



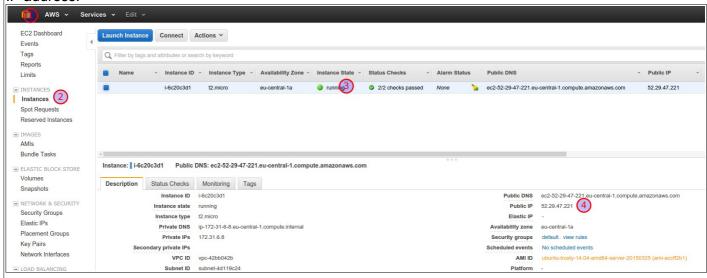
10. Proceed with "Review and Launch" and "Launch".

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).

```
Terminal-g@g-I
File Edit View Terminal Tabs Help
g@g-Inspiron-5737:∼$ ssh -i /home/g/test.pem ubuntu@52.29.47.221
```

If login is successful you should see following:

```
Terminal - ubuntu@ip-
 File
     Edit View Terminal Tabs
                                 Help
  System information as of Sun Oct 25 14:31:20 UTC 2015
  System load: 0.0
                                 Processes:
                                                      97
 Usage of /: 9.8% of 7.74GB Users logged in:
                                                      0
  Memory usage: 5%
                                IP address for eth0: 172.31.6.8
  Swap usage:
               0%
  Graph this data and manage this system at:
    https://landscape.canonical.com/
  Get cloud support with Ubuntu Advantage Cloud Guest:
    http://www.ubuntu.com/business/services/cloud
0 packages can be updated.
0 updates are security updates.
Last login: Sun Oct 25 14:31:21 2015 from 91.205.144.229
ubuntu@ip-172-31-6-8:~$
```

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.