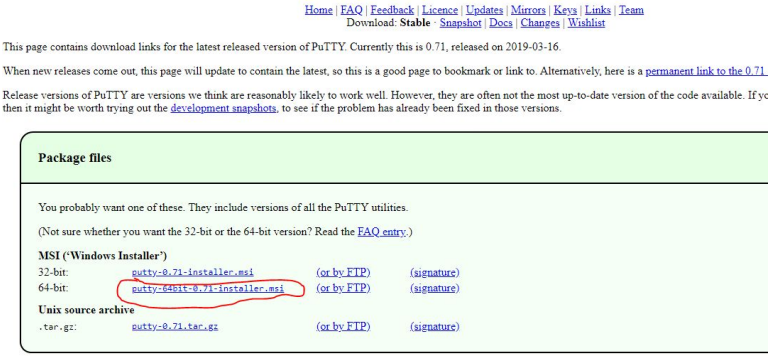
# STORE DATA ON A REMOTE WEB SERVER WITH AWS

## Dependencies

- Download and install Putty and Putygen from https://www.putty.org/ (will be used to connect with the server using SSH).



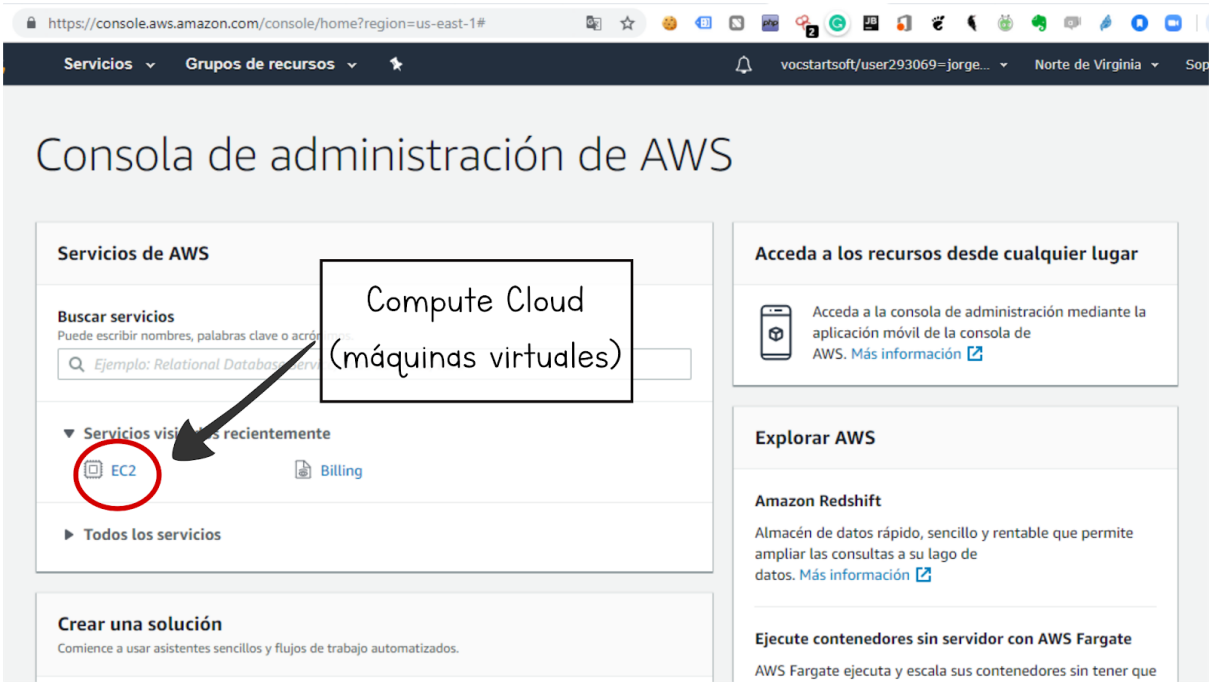


- Create an Amazon Educate account https://aws.amazon.com/es/education/awseducate/

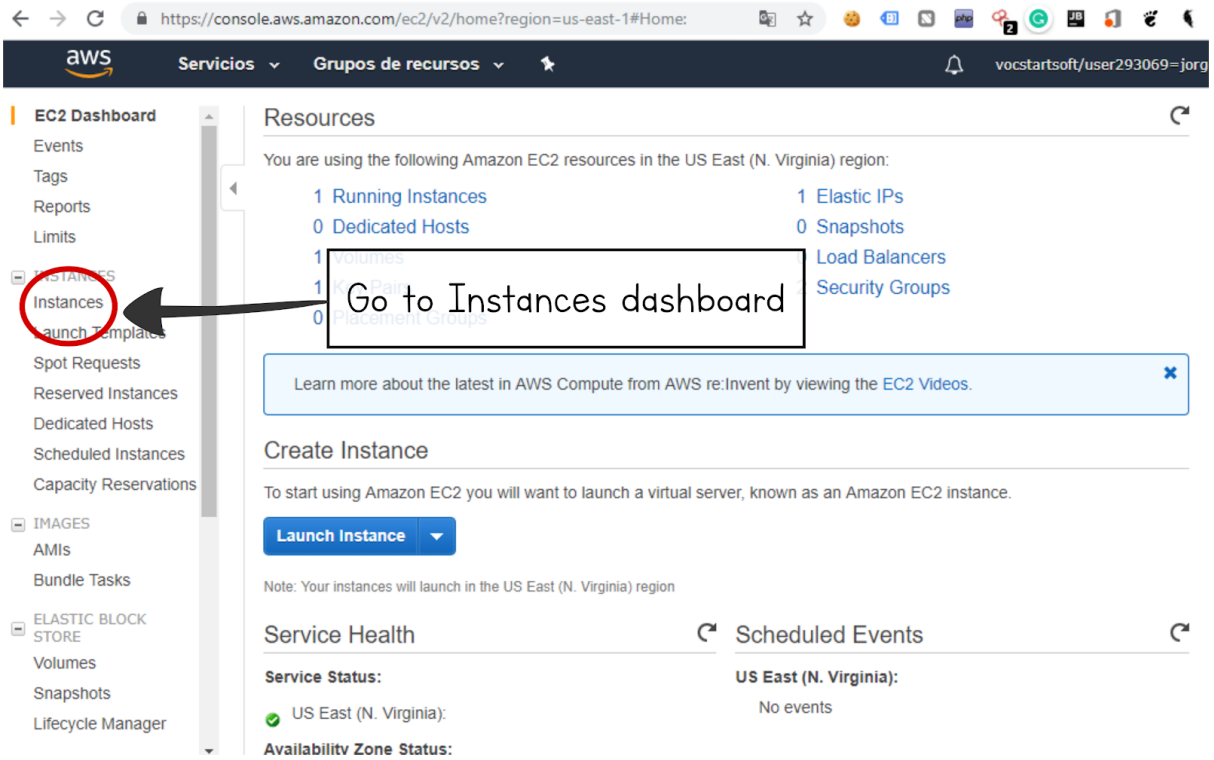
## Setup

**AWS Virtual Machine**

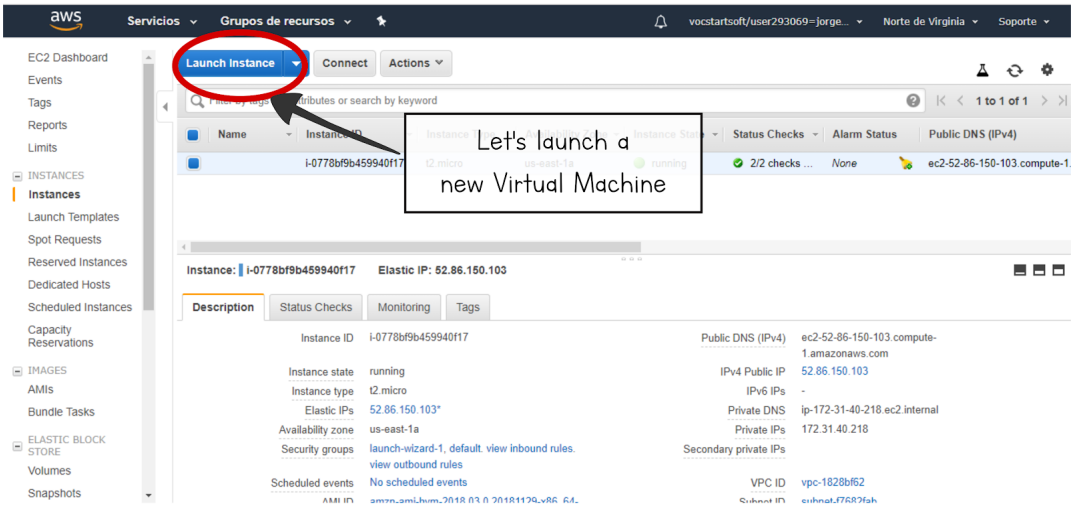
1. Select EC2 from Amazon Services to enter to the dashboard.



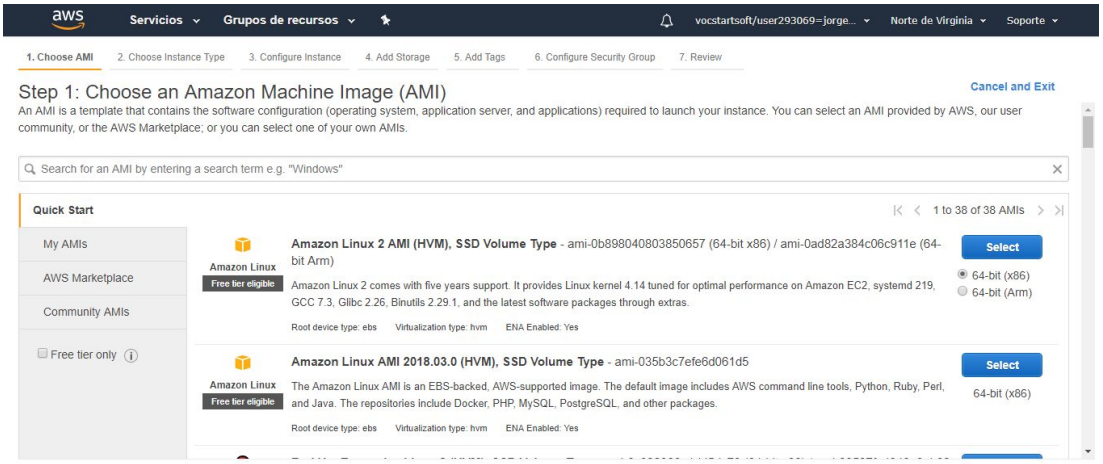

2. Select Instances

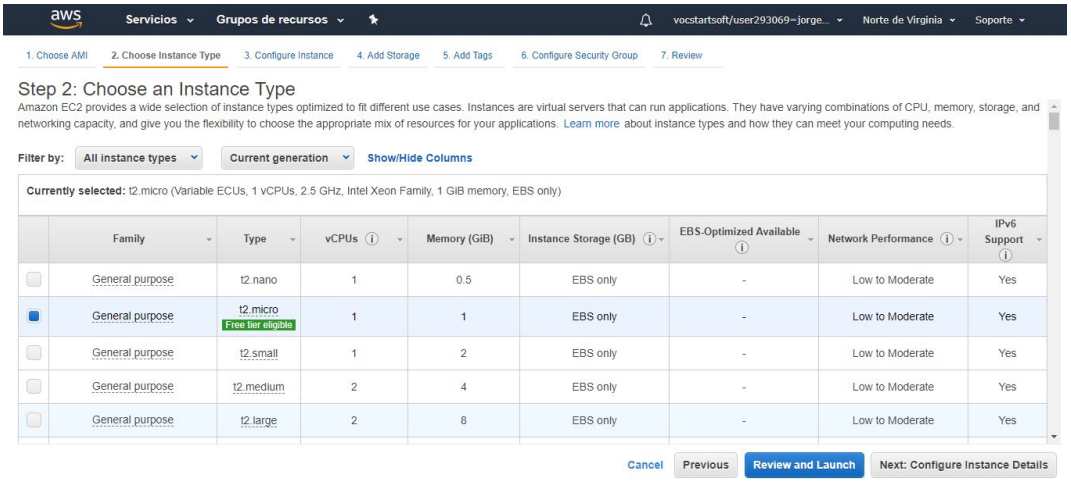


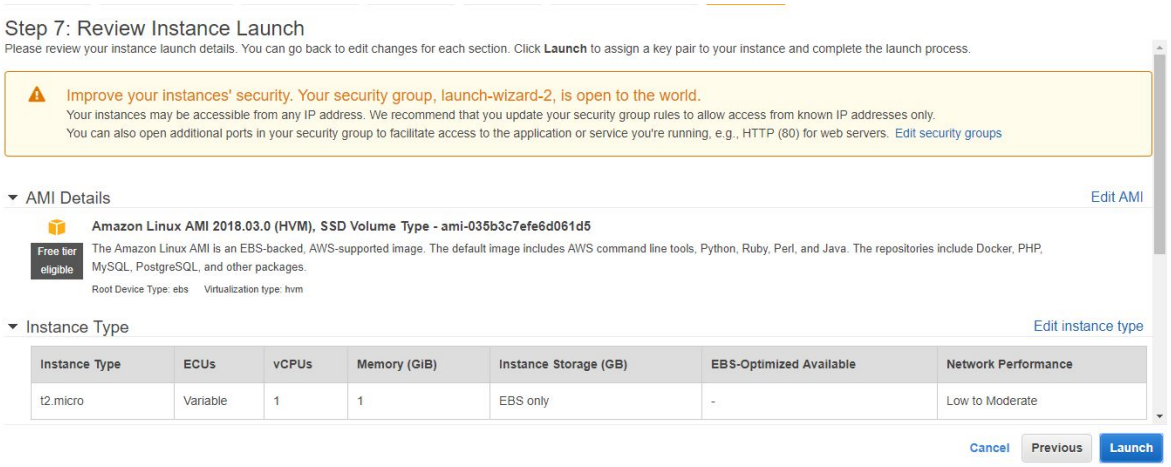
3. Select Launch Instance




4. Go through instance configuration process choosing the resources according to your project requirements.



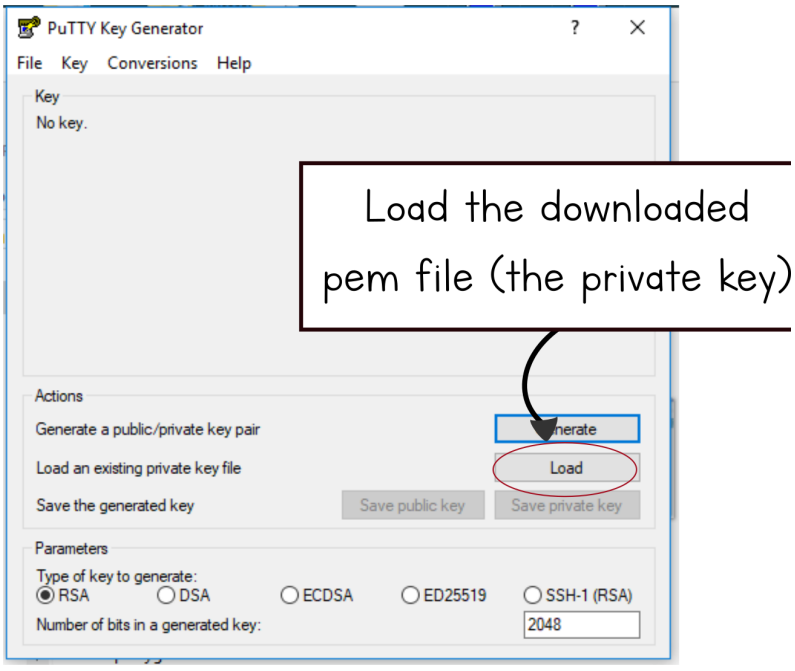





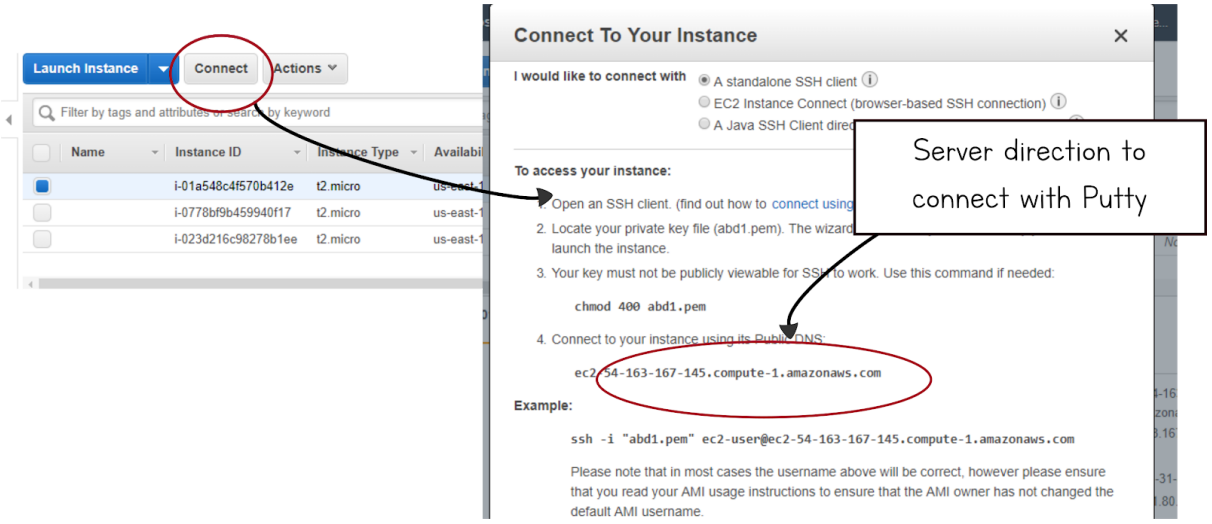

5. After you press the Launch button it is important to save the private key to connect with the created instance.

**SSH connection with Putty**

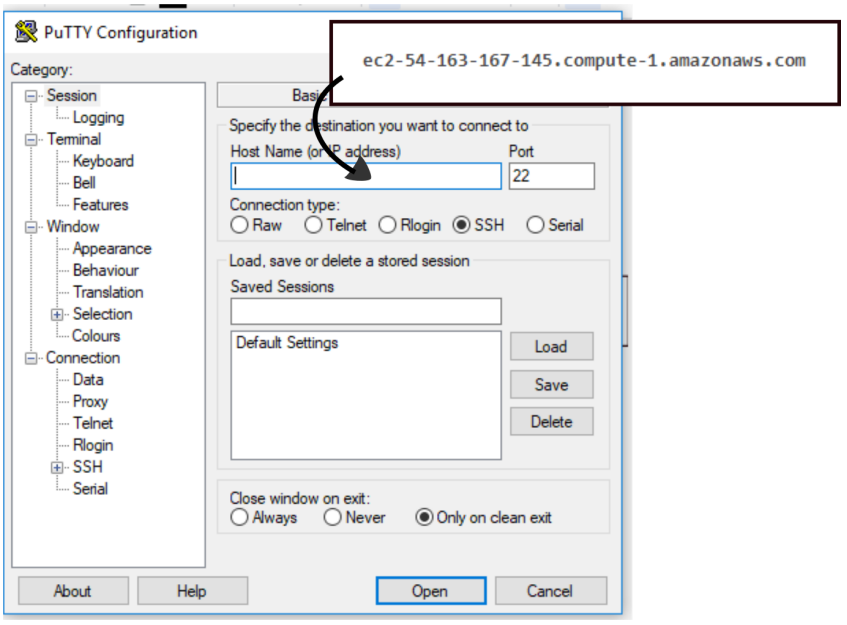
1. Convert your pem key to ppk file with Puttygen



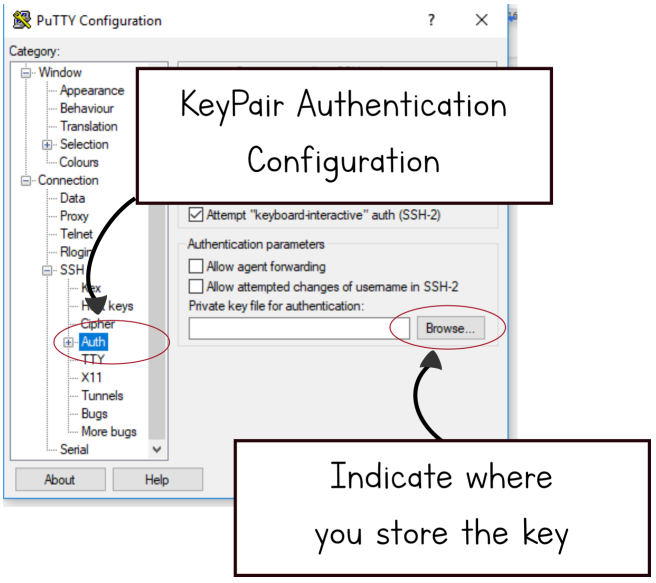
2. Obtain the server direction on the AWS dashboard, selecting the instance and then click on connect.




3. Open Putty and specify destination to connect

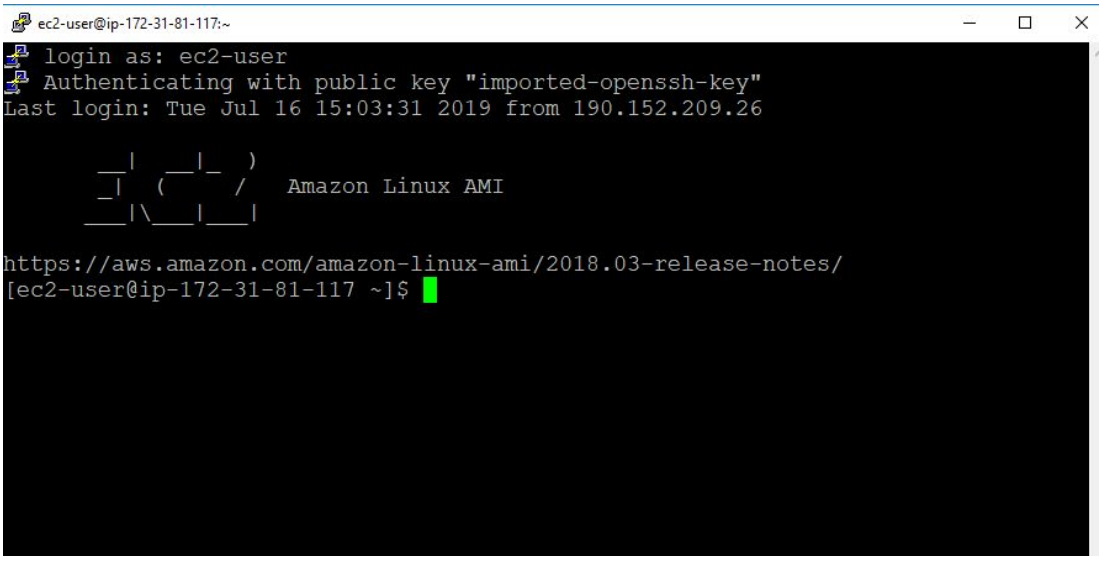



4. Configure the private key in SSH authentication options




5. Finally select Open

After successful connection you should see the amazon linux ami image and the linux prompt as in the image below.



**Install and start the server**

```
1. $ sudo yum update -y
2. $ sudo yum install httpd24 php70 php70-mysqlnd mysql54-server
3. $ sudo service httpd start
4. $ sudo service mysqld start
```

**Checking mysql server installation and create database**

```
1. $ mysql -u root -p
2. mysql> create database [databasename];
3. mysql> use [databasename];
4. mysql> create table [tablename] (todo varchar(20), deadline date);
5. describe [tablename];
6. select * from [tablename];
```

**Check apache installation**

```
1. $ cd /var/www/html
2. $ mkdir dbproject
3. $ cd dbproject
4. $ nano index.html
```

In your index.html file create the basic structure of the web to display

```
<html>
<head>
      <title>MyServer</title>
</head>
<body>
      <h1>Hello World WebDev</h1>
      <form action="insert.php" method="post">
      Task: <input type="text" name="task">
            <input type="submit" value="Aceptar">
      </form>

</body>
</html>
```

Create the insert.php file to connect with the database

```
<?php
$task = $_POST["task"];

echo 'Your task is: ' . $task;

$servername = "localhost";
$username = "root";
```

```
password = “”;
dbname = “todo”;

$mysqli = new mysqli($servername, $username, $password, $dbname);

if(!$mysqli){
echo ‘No logramos conectarnos’;
 }
else{
$sql = “Insert into todolist values (‘$task’, ‘2009-07-07’);
$mysqli->query($sql);
$mysqli->close();
}
```

You can find the final version of the project in https://github.com/and27/DBA copy the **index.php** file to **/var/www/html/dbproject** and then use your browser to check all works as expected.