

Deployment platform setup

Prerequisites

- Amazon Web Services Account - sign up here

Setting up an EC2 Instance

1. Login - here

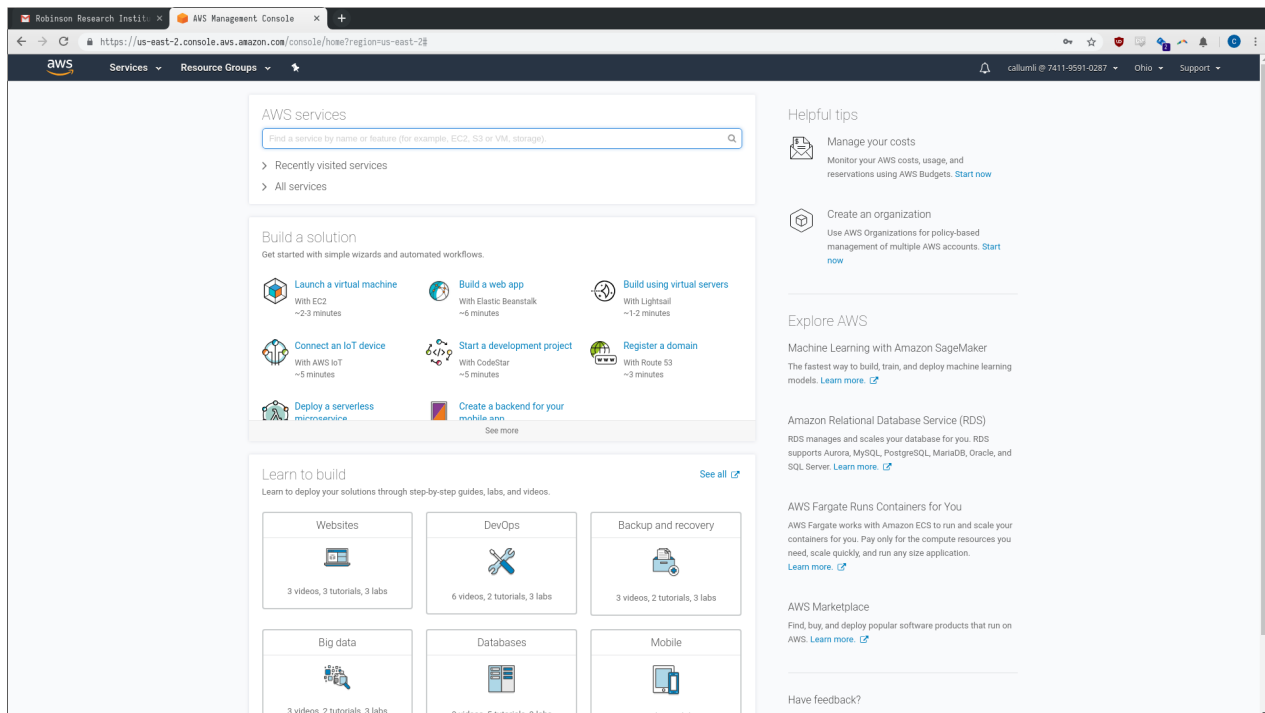


Figure 1: step 1

2. Under “All Services” and then under “Compute” select “EC2”

3. Press the “Launch Instance” button

4. Select “Amazon Linux 2 AMI (HVM), SSD Volume Type”

5. Select instance type.

The confirmed working minimum hardware specifications are 1vCPU and 1GiB memory. Pricing information can be found here

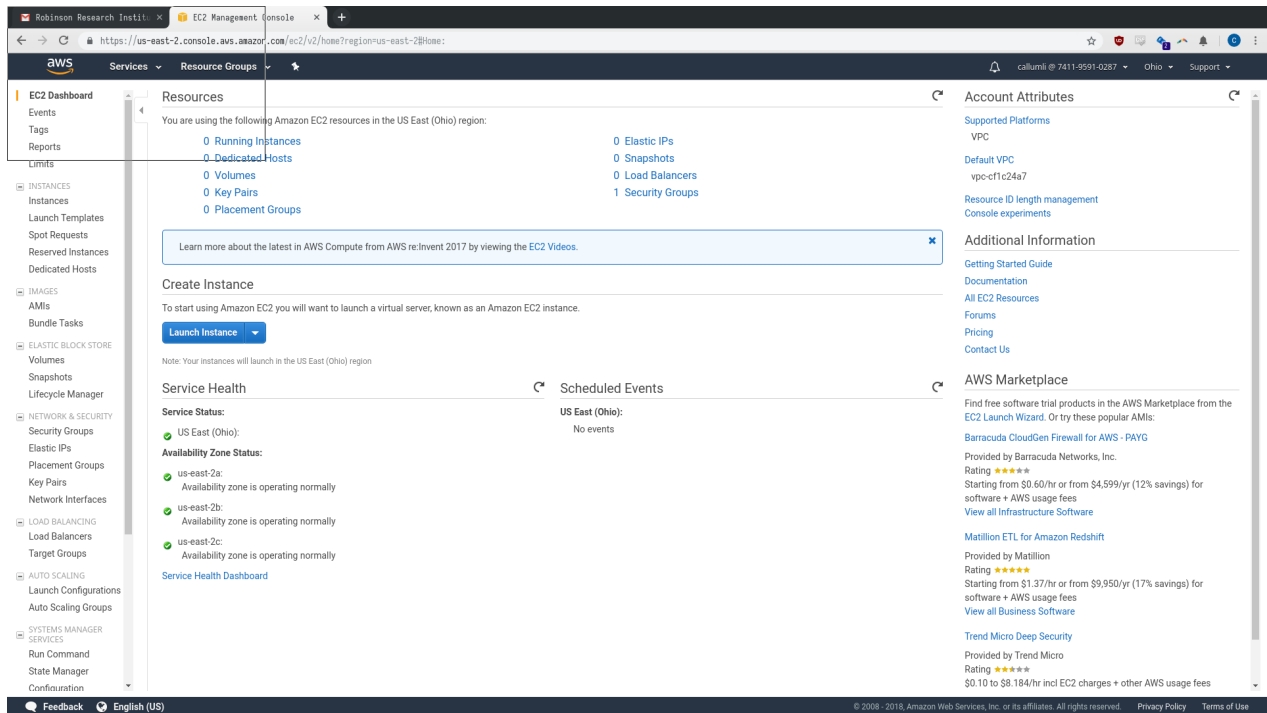


Figure 2: step 2

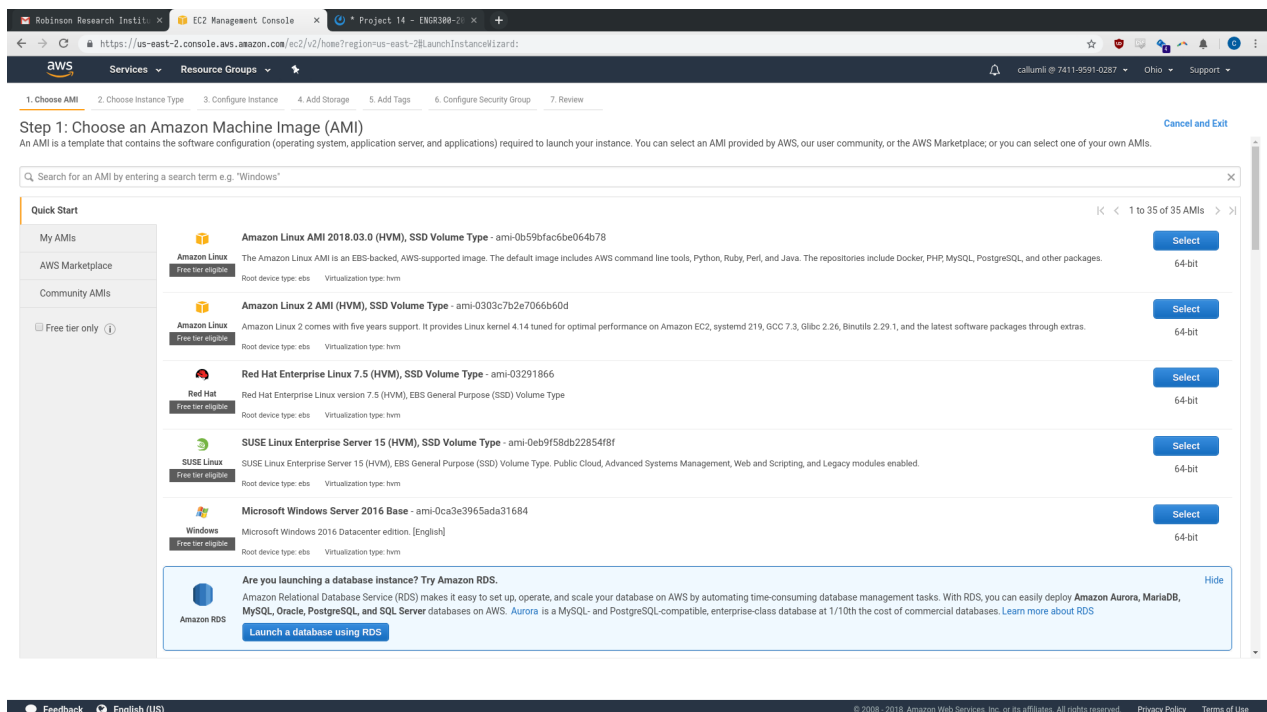


Figure 3: step 3

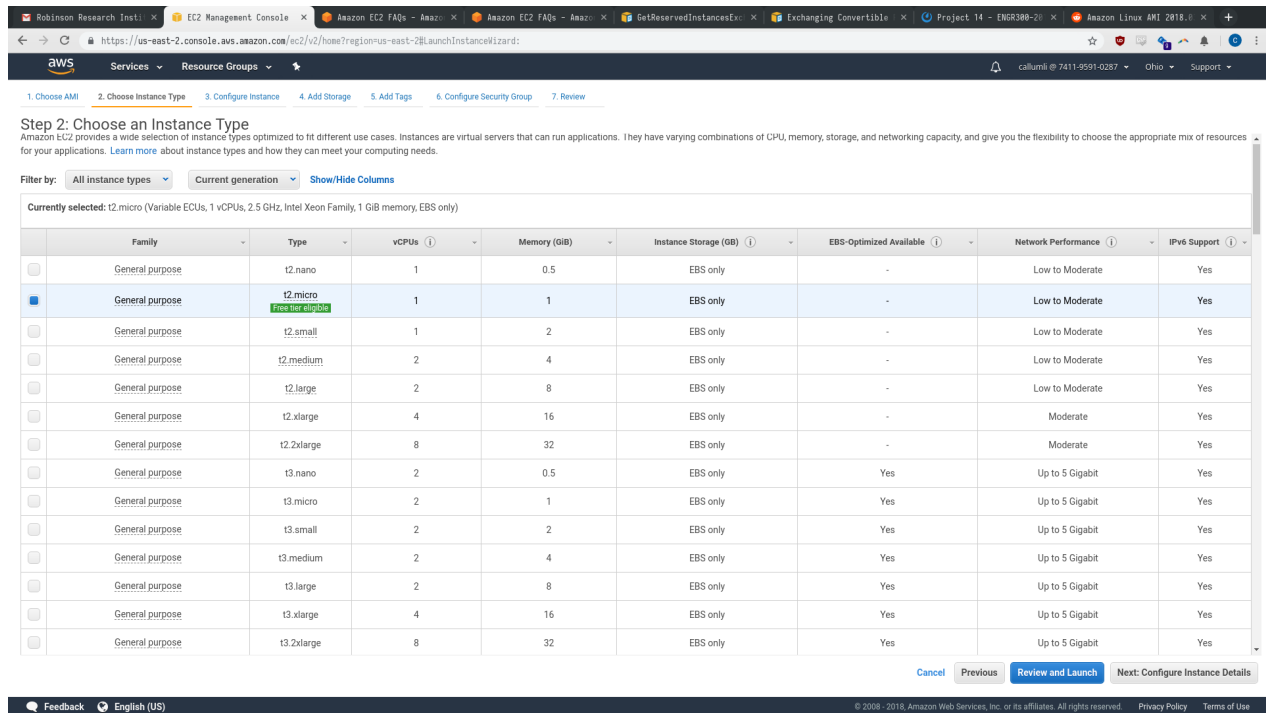


Figure 4: step 4

The instance used for this example is a **t2.small** which costs approximately \$5 USD a month.

6. Press “Review and Launch”

7. Press “Edit security groups”

8. Allow HTTP and HTTPS requests to the server

1. Press “Add Rule”
2. Change its type to “HTTP”
3. Press “Add Rule”
4. Change its type to “HTTPS”

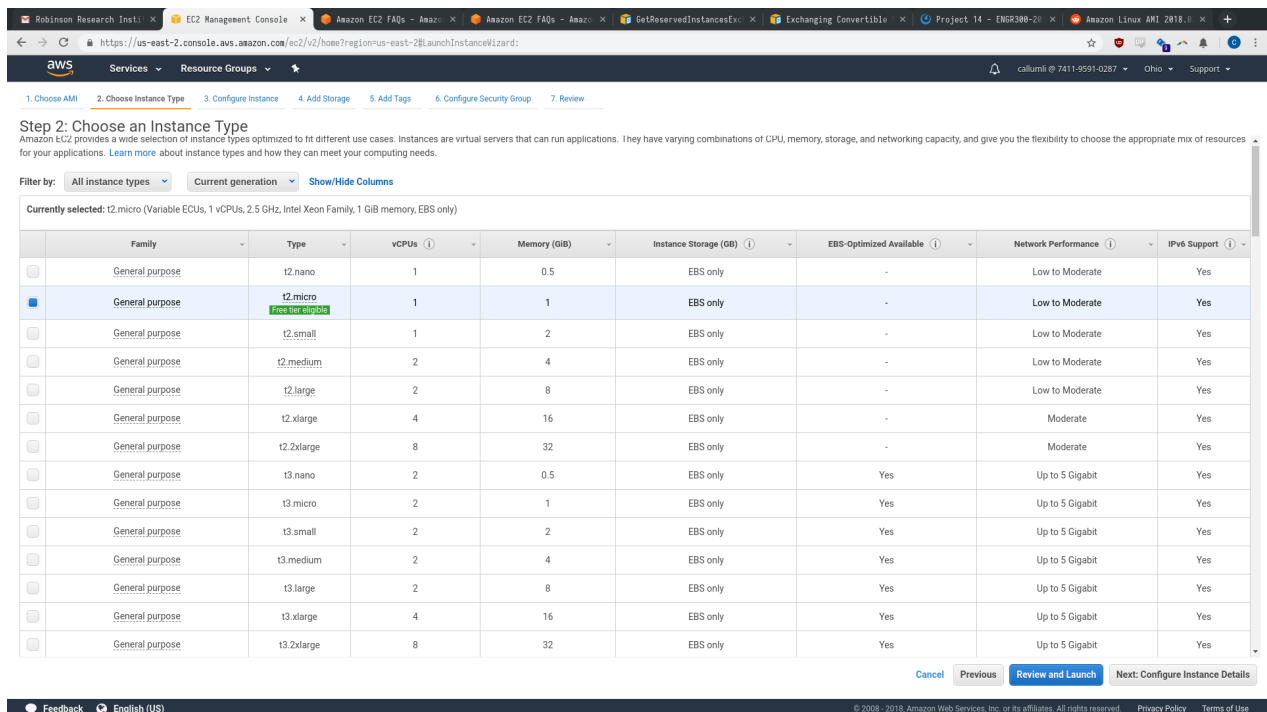


Figure 5: step 5

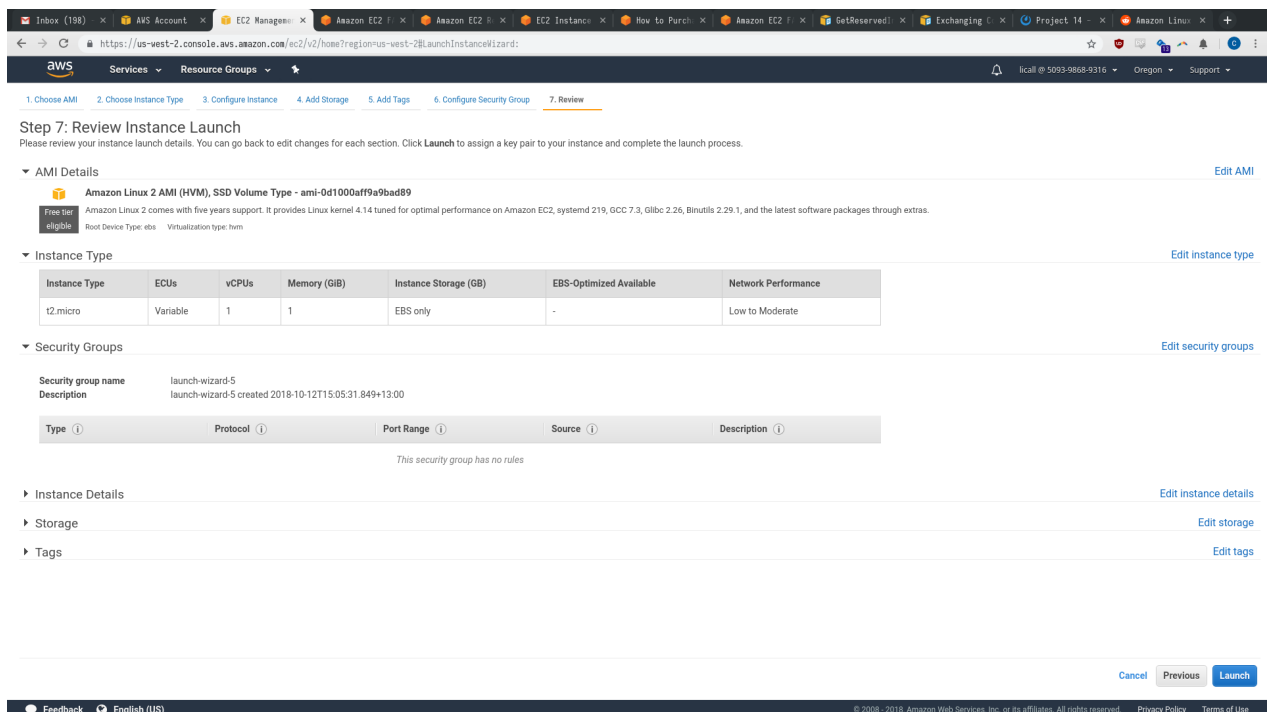


Figure 6: step 6

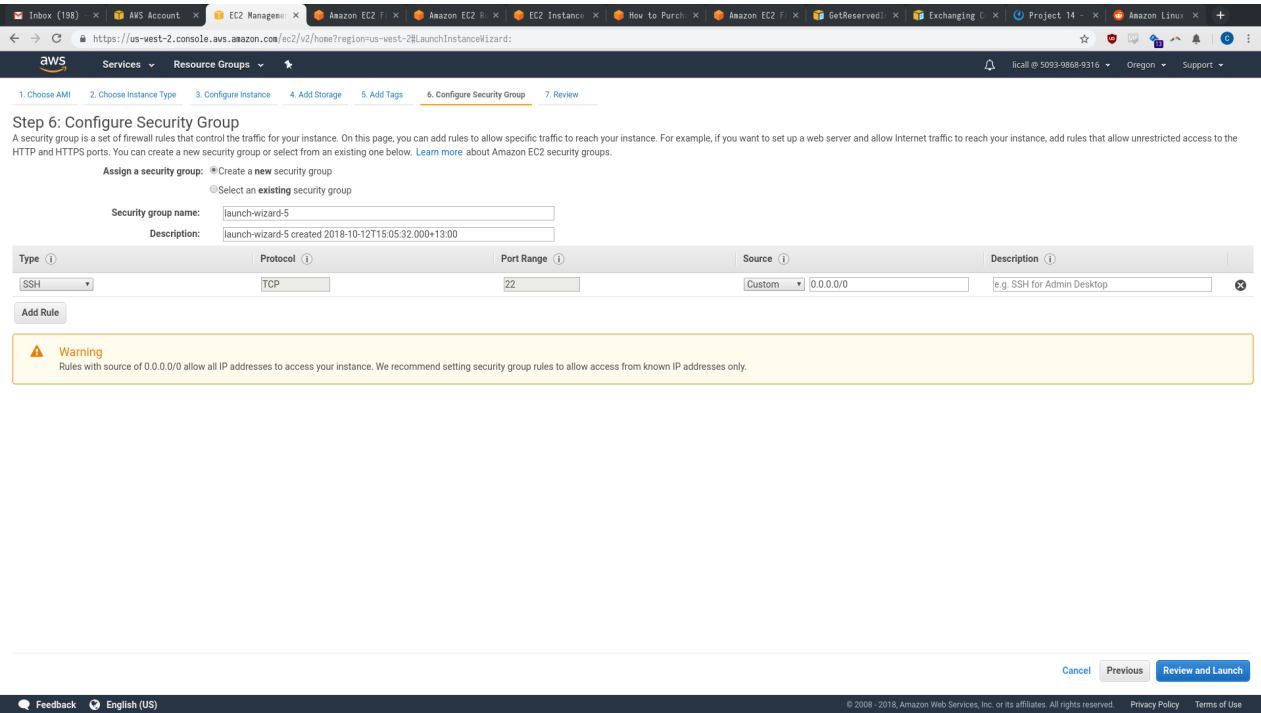


Figure 7: step 7

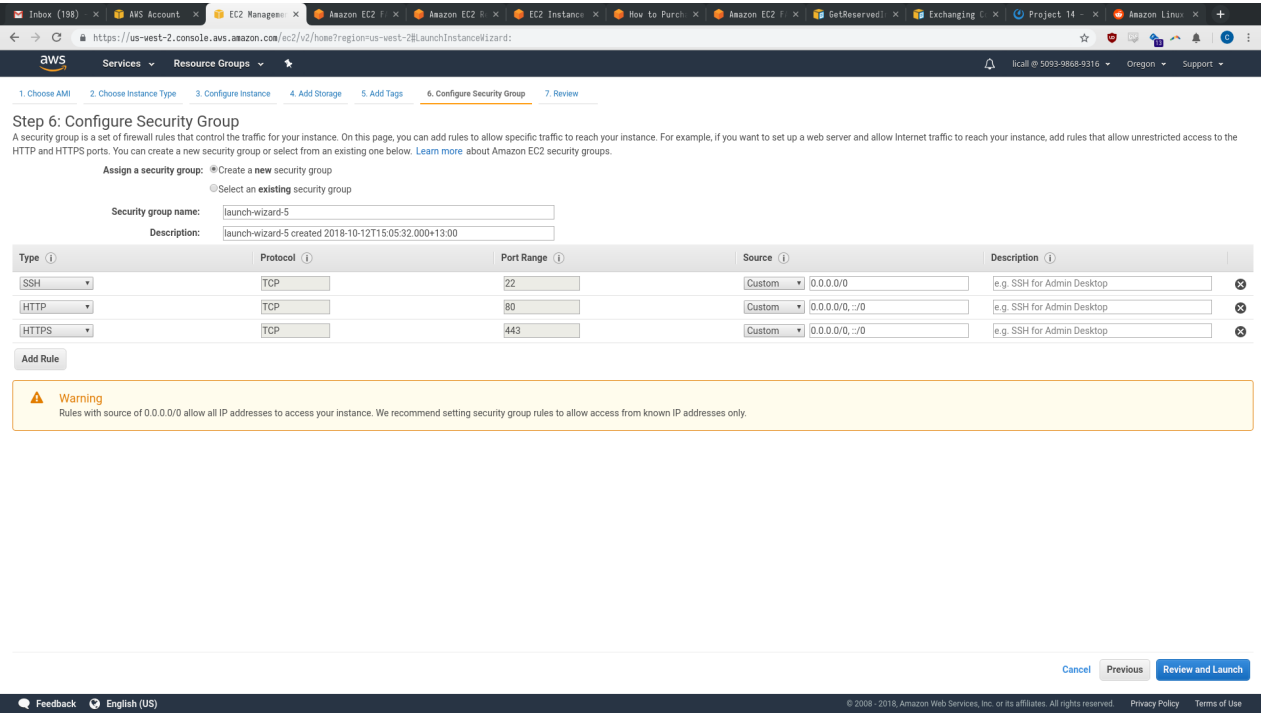


Figure 8: step 8

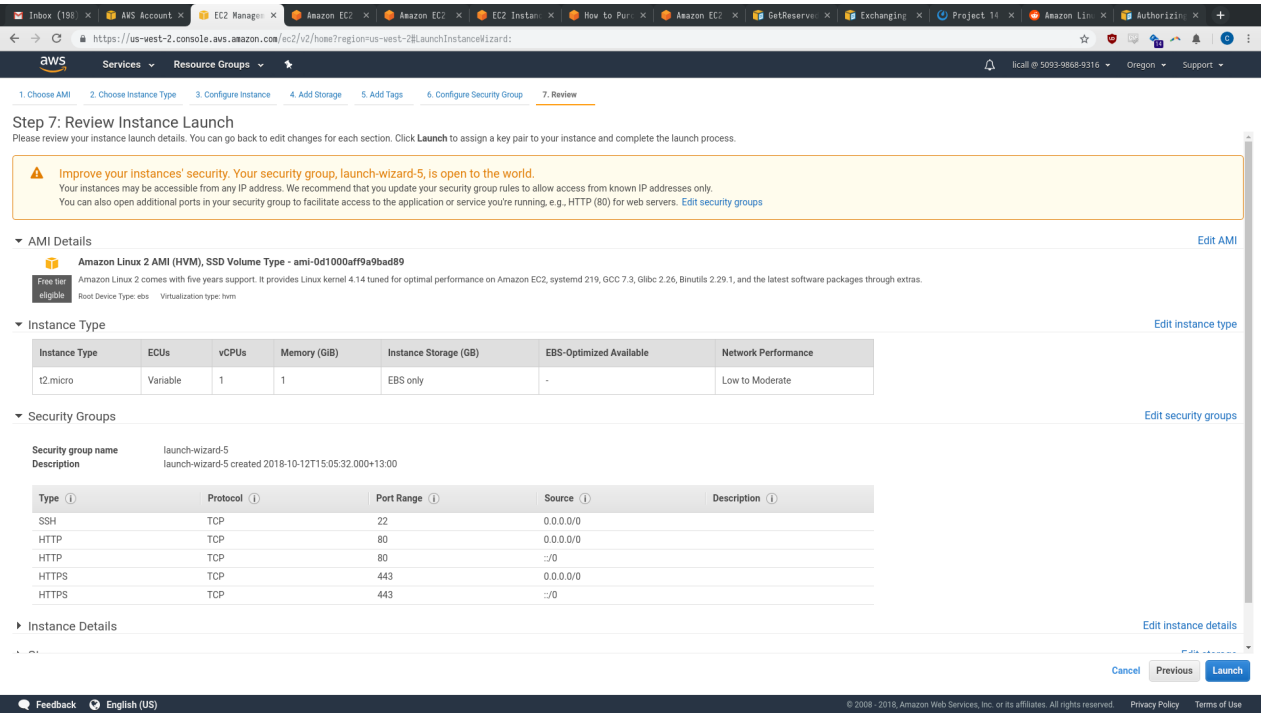


Figure 9: step 9

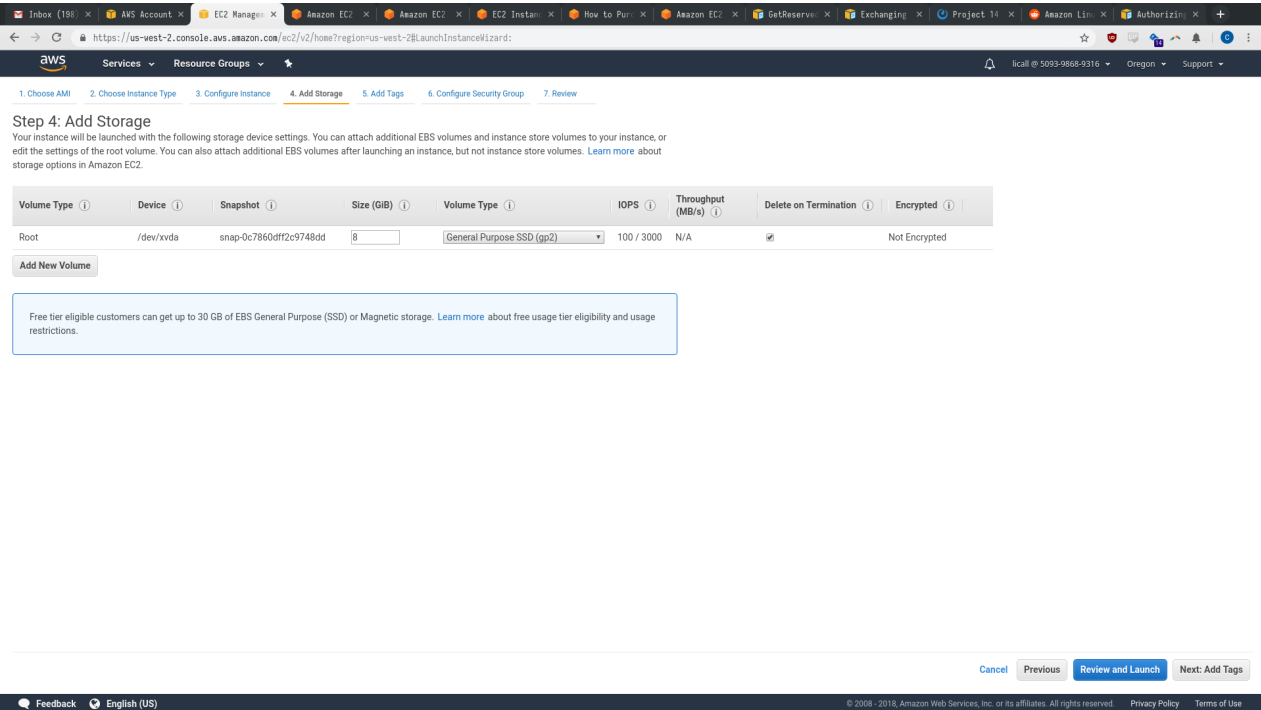


Figure 10: step 10

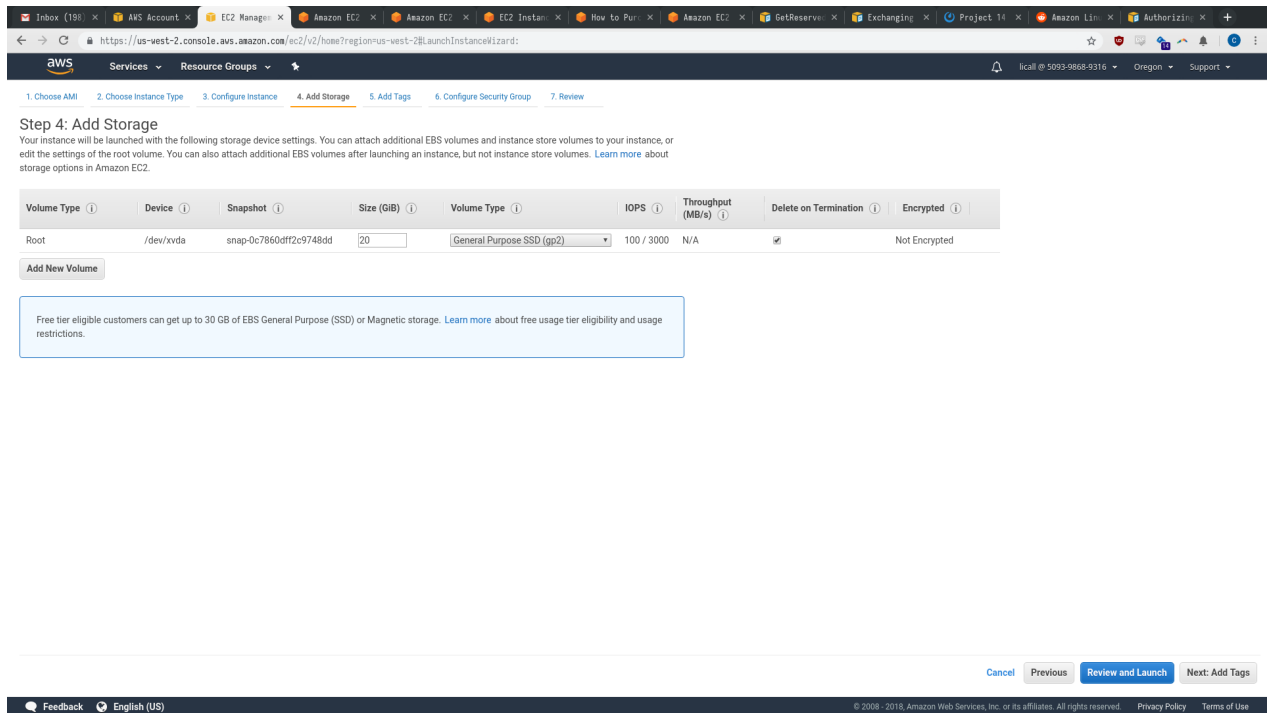


Figure 11: step 11

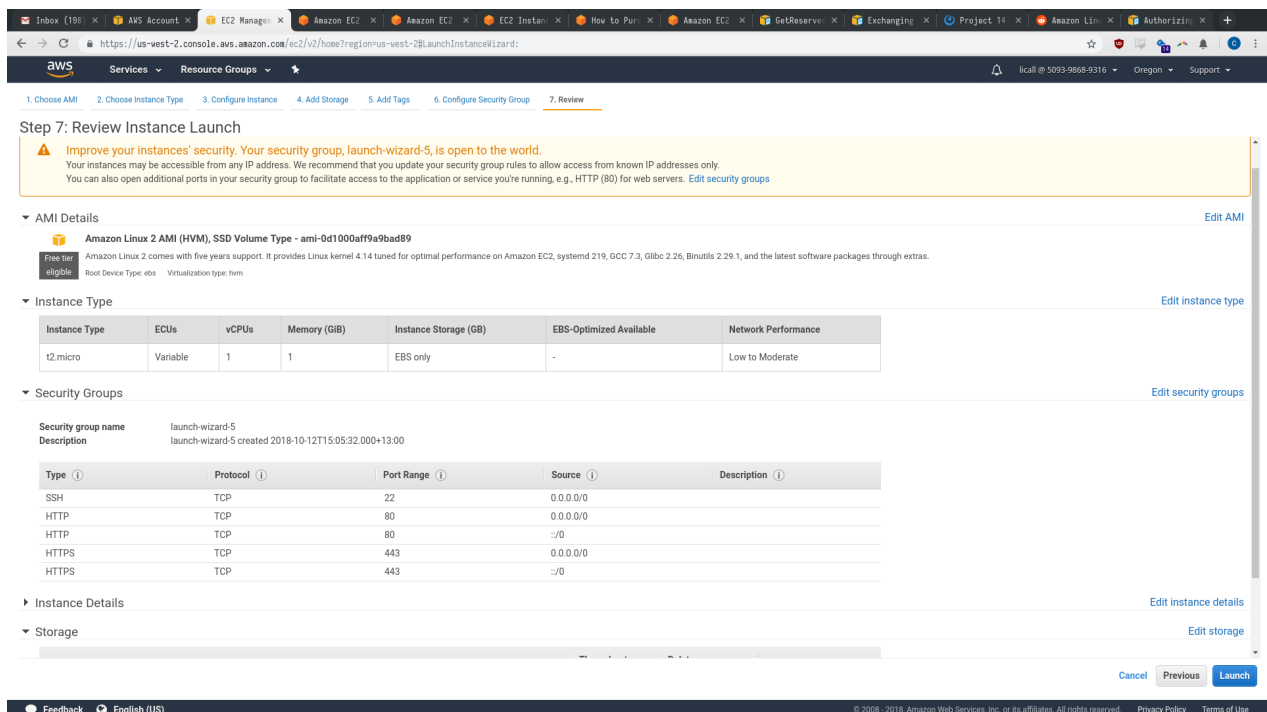


Figure 12: step 12

9. Press “Review and Launch”

10. Press “Edit Storage”

11. Edit “Size” to “20” (GiB)

12. Press “Review and Launch”

13. Press “Launch”

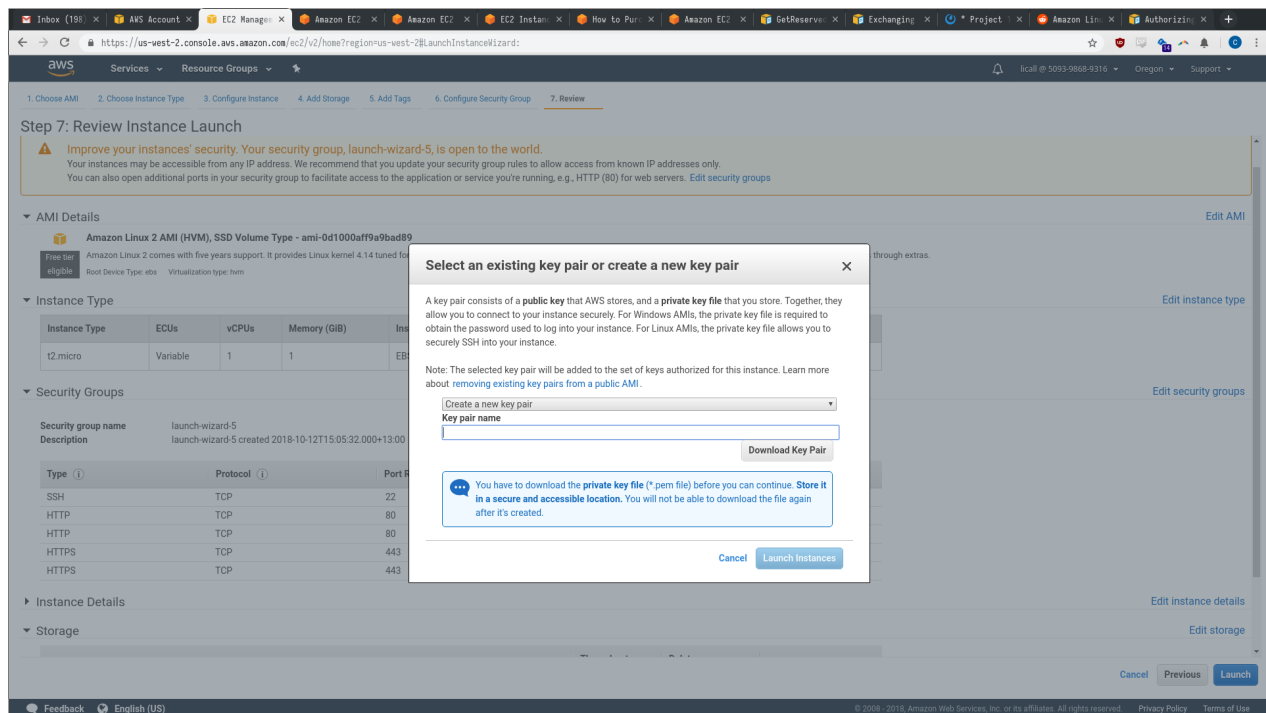


Figure 13: step 13

14. Choose “Create a key pair”, give it a name (e.g. rridb.pem), and press “Download Key Pair”

15. Press “Launch Instances”

16. Store the key pair safe. It is the key to the server.

17. If you need to transfer the key to someone, use secure means.

Secure means include but are not limited to: 1. Physically transferring it via USB 2. Encrypting it with a passphrase (e.g. with AES encryption) and sending the encrypted result via email and the passphrase via phone 3. Use SCP to transfer the file

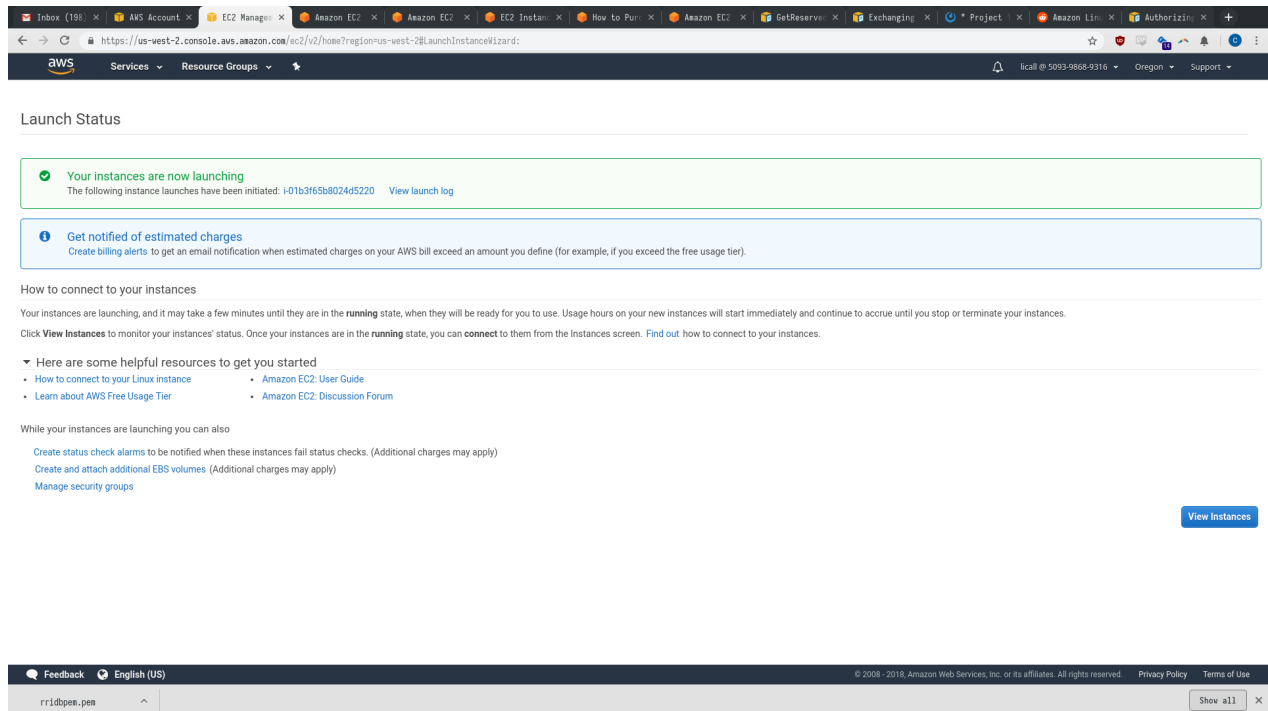


Figure 14: step 15

Setting up an Elastic IP

18. Go back to the EC2 dashboard (as in step 2)

19. Click “Elastic IPs” in the left side menu.

20. Press the blue “Allocate new address” button

21. Press “Allocate”

22. Press close

23. Select the newly allocated address and under “Actions” (next to the blue button) press “Associate address”.

24. Under “Instance” select the instance we previously created and press “Associate”

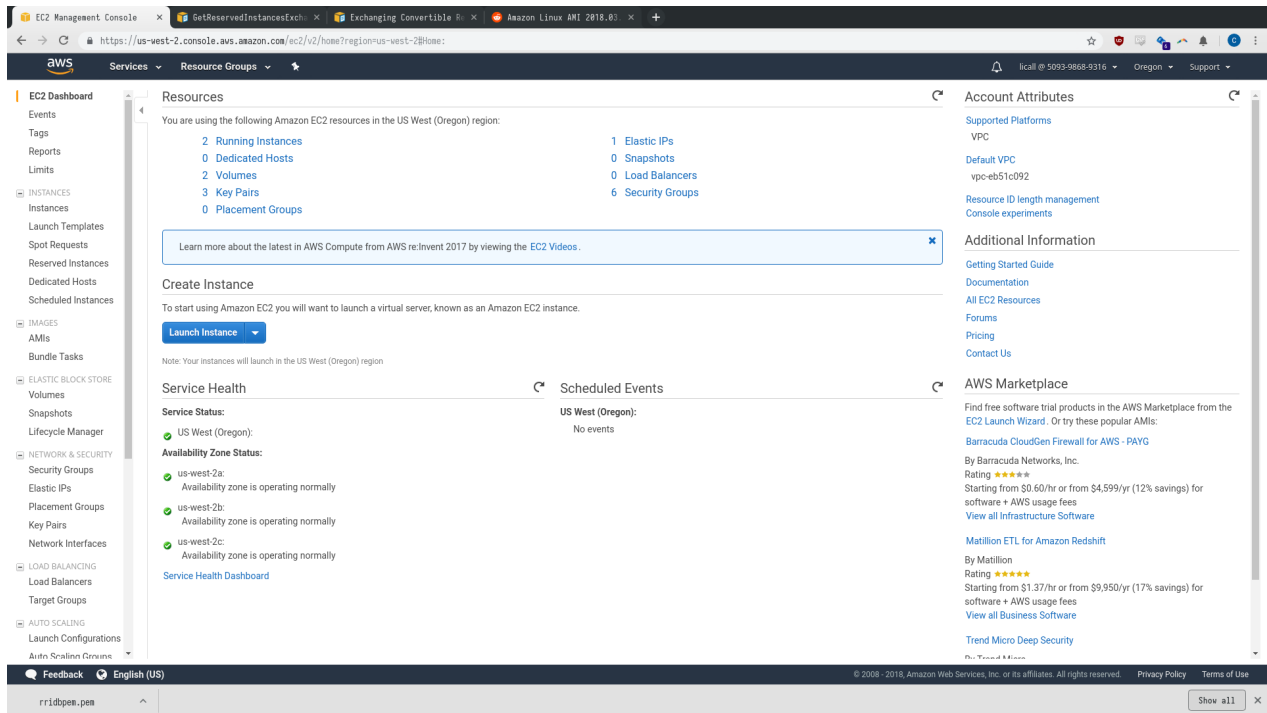


Figure 15: step 18

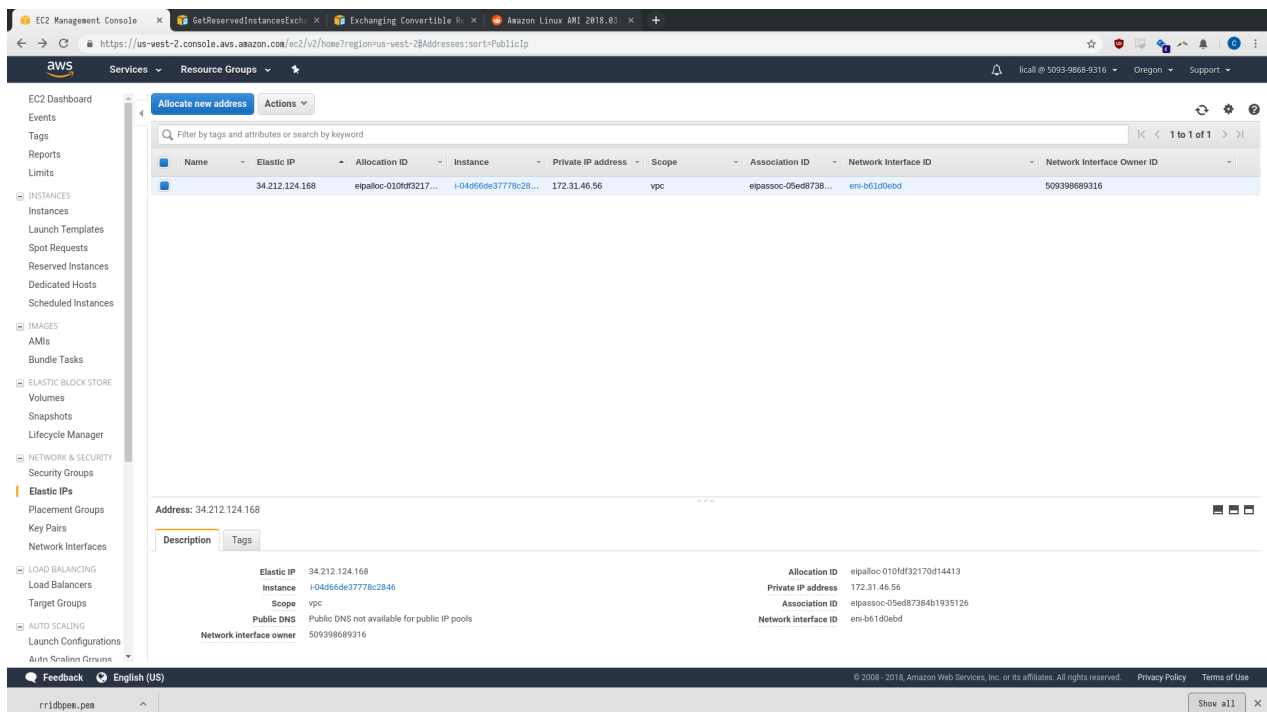


Figure 16: step 19

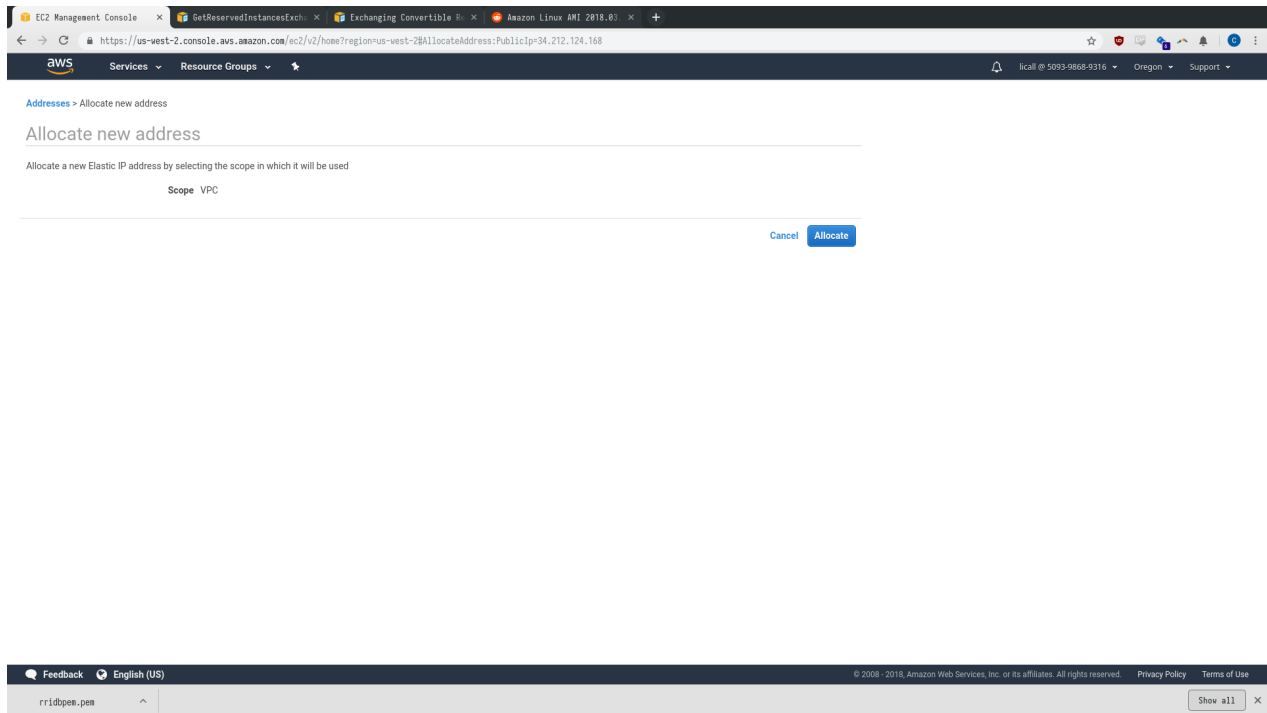


Figure 17: step 20

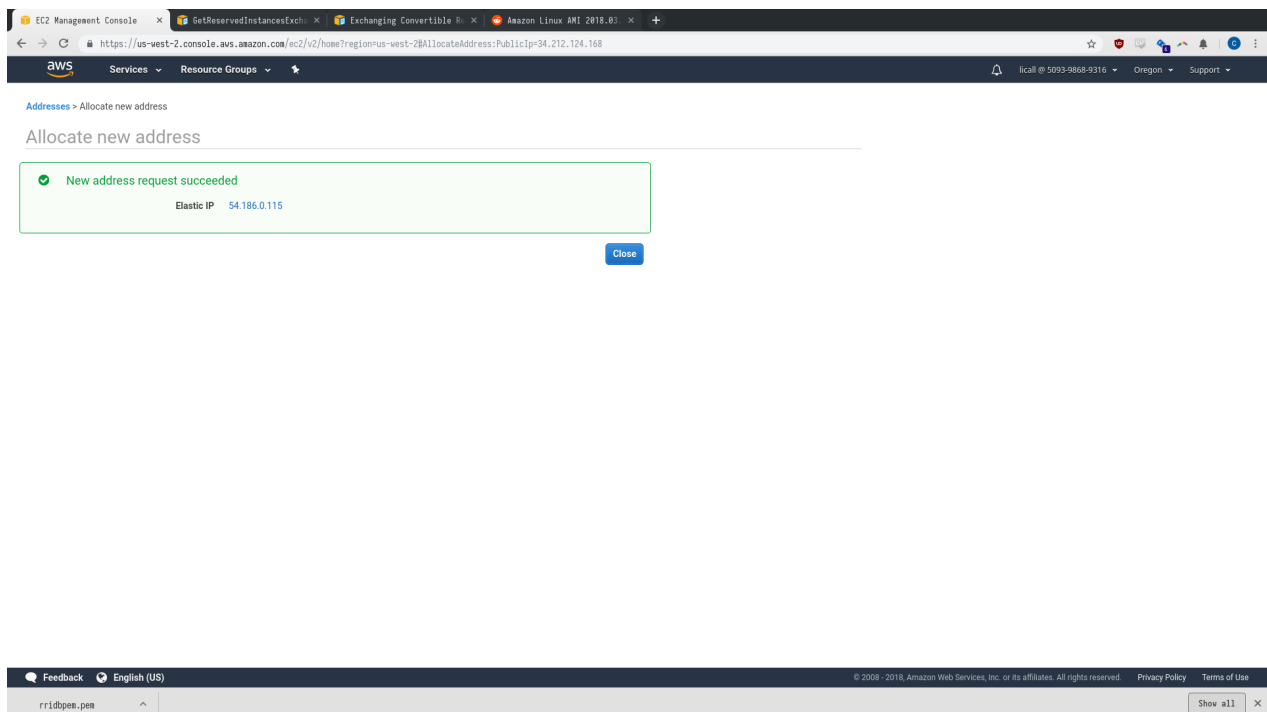


Figure 18: step 21

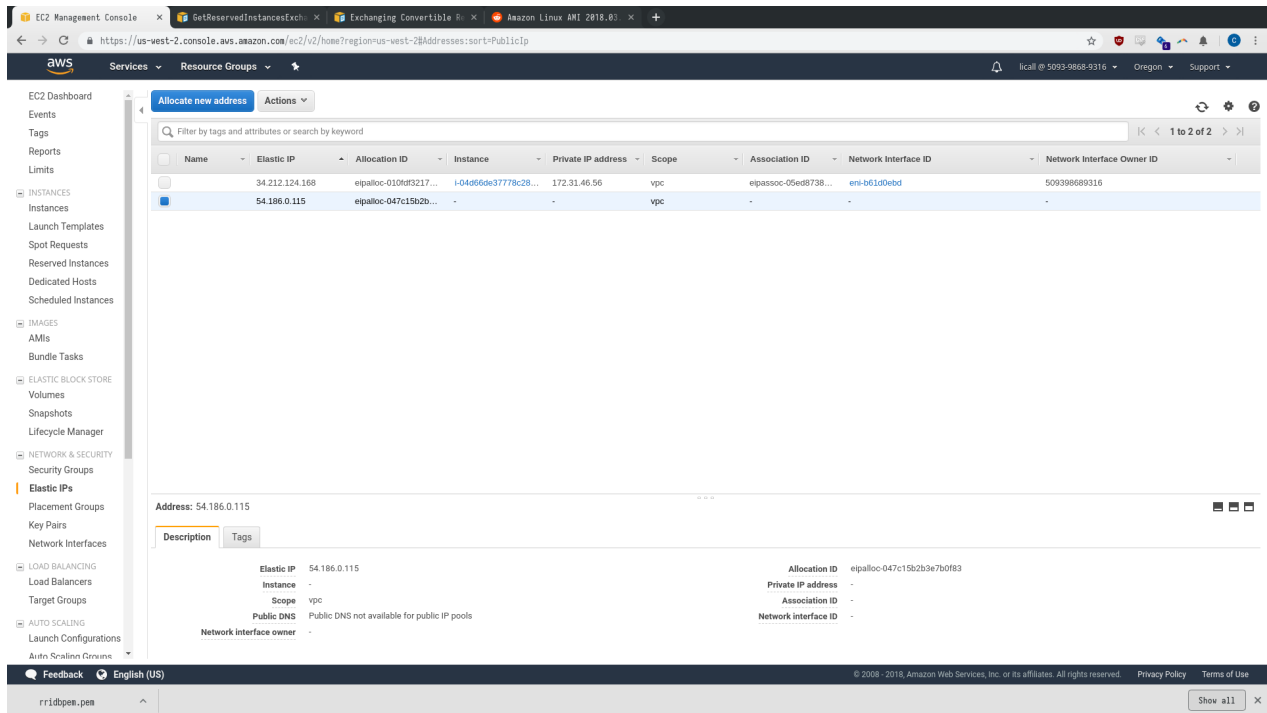


Figure 19: step 22

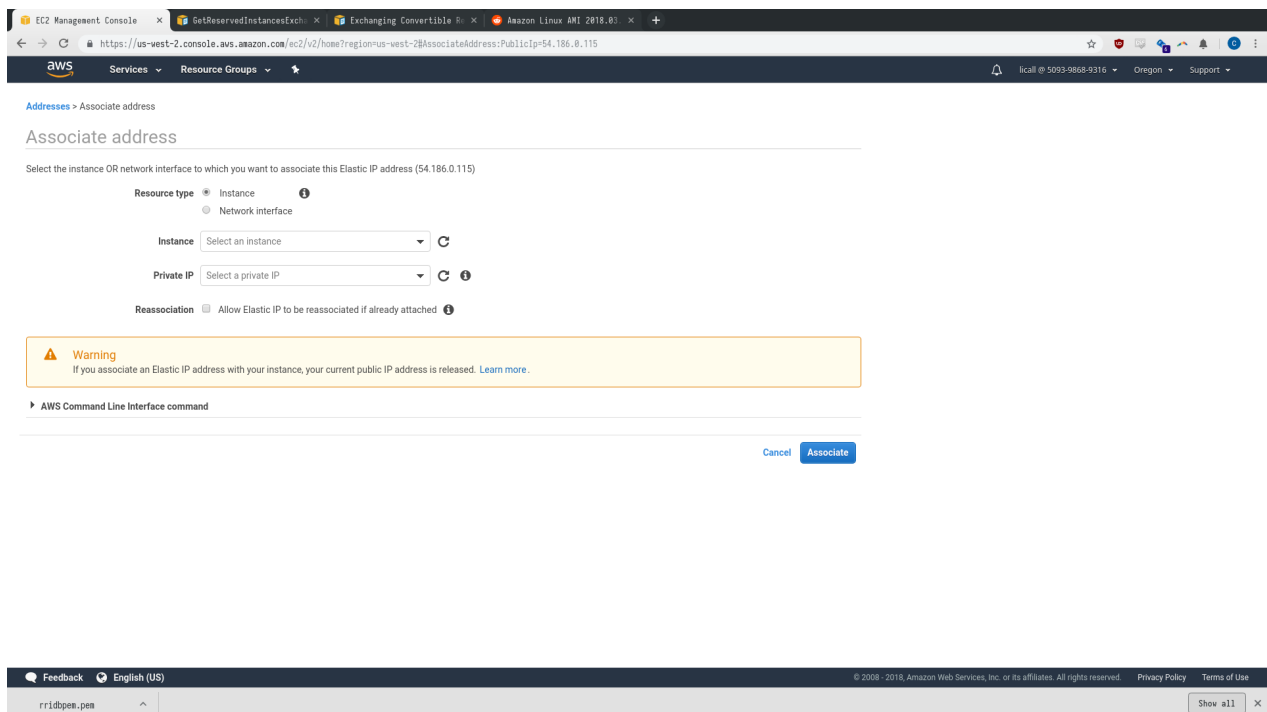


Figure 20: step 23

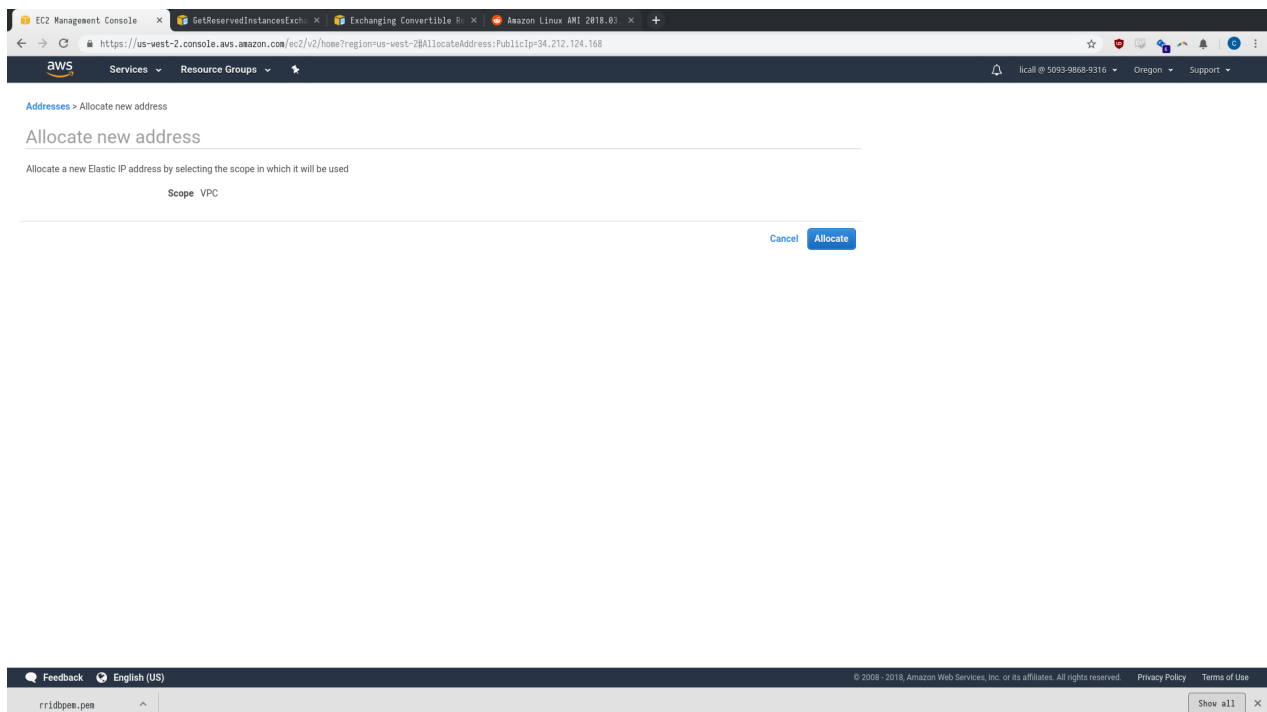


Figure 21: step 24