How to configure an EC2 instance

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Why I chose this topic

I chose this because its a fairly common task for the industry I desire to be apart of. Virtual storage and servers is the future due to price and ease of use and maintenance. So I decided to show an example of this industry with the common practice of making a web server. This is in particular connected to something I learned earlier in this year.

methods that I will use to obtain further knowledge and skills to complete this project

I will go over again the lesson which introduced this topic in class, and which was provided by our educator. And I will review the AWS help section on the Amazon site.
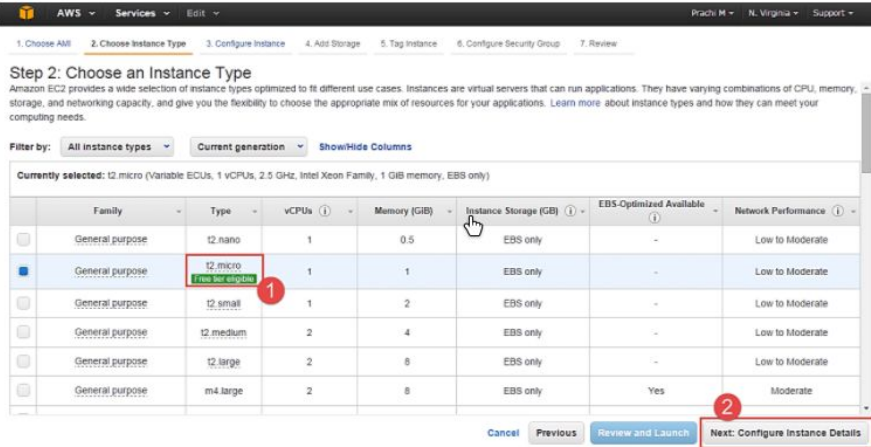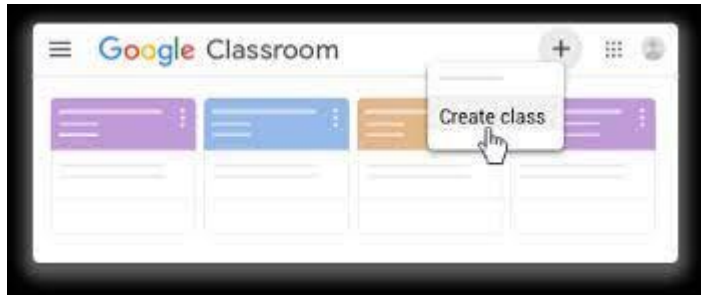
step-by-step instructions on how to perform the skill.
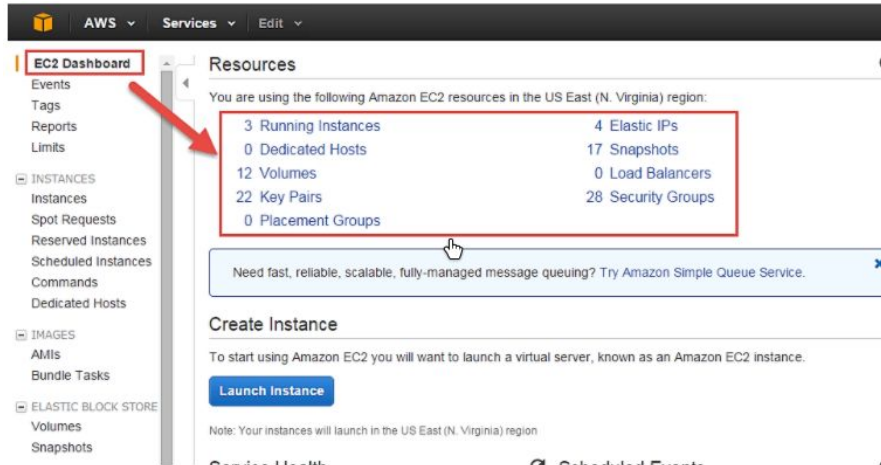
1. In the Management Console find and select the EC2 Dashboard

2. click Launch Instance

3. Select the Amazon Linux 2 AMI (HVM)

4. Select the t2.micro instance.

step-by-step instructions on how to perform the skill.

5. Select Next: Configure Instance Details

6. Accept the default settings for the Step 3: Configure Instance Details page and scroll down to the bottom to the Advanced Details section.

step-by-step instructions on how to perform the skill.

a. Expand Advanced Details. A field for User data will appear.

b. Copy the following commands and paste them into the User Data field:

7. Click Next: Add Storage

8. Click Next: Add Tags

step-by-step instructions on how to perform the skill.

9. Click Add tag then configure:

a. Key: Name Value: Your Server

10. Click Next: Configure Security Group

11. Configure a new security group as follows:

a. Security Group Name: Web Server SG

step-by-step instructions on how to perform the skill.

b. Description: security group for my web server

c. Click Review and Launch.

12. Review the details, scroll down and click Launch.

13. The key pair modal displays. In the dropdown select Proceed

without a key pair, check the box next to the I acknowledge...

statement, and then click Launch Instances

step-by-step instructions on how to perform the skill.

14. On the Launch Status page, go to the bottom and click View

Instances. Next you will be taken to the Instances page.

Anticipated Questions:

Why would I want to make this? A: because it's a cheaper virtual option compared to creating one in house.

And your employer will want it now you can provide.

What is AWS? A: Amazon Web Services is a subsidiary of Amazon providing on-demand virtual platforms

and storage to people on a metered pay-as-you-go basis.

How much will this cost? A: The price varies depending on how much you want. The lower end cost is

around $0.0058 per hour.

What skills have you better mastered because of this project?

Before this project I had very little to not knowledge on AWS. I essentially followed the instructions and going to the next assignment. So this gave me the opportunity to fully go over the skills and subject. I learned more about AWS as a system and as a concept through this project. Going in depth to the process of creating an EC2 Instance helped me see on the branching paths that allow one knowledgeable enough to achieve a lot on the system. Creating an EC2 Instance is only the beginning.

What skills have you better mastered because of this project?

I have learned about Virtual systems. By this is mean before this project I knew no more about the subject than the average man my age. So this action and study of the process of creating a virtual system has helped me better grasp and understand it.