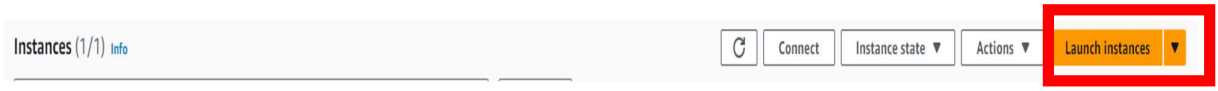
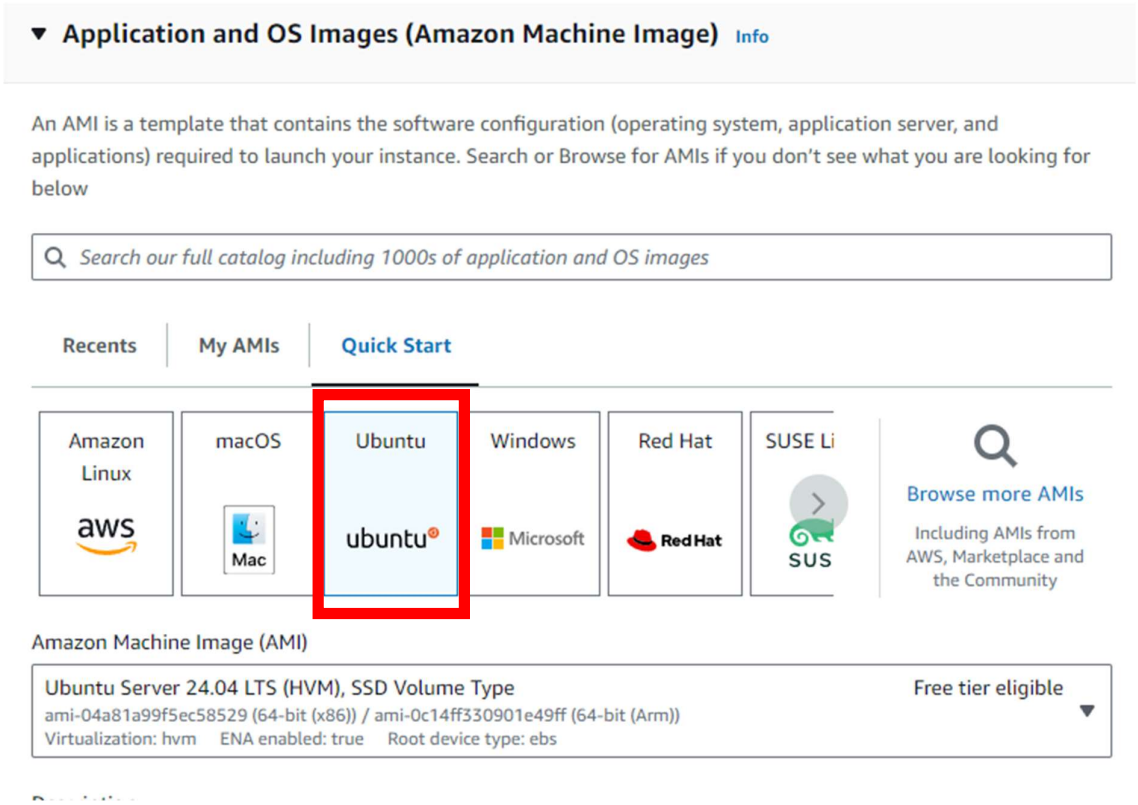
Step 1: Launch an EC2 Instance

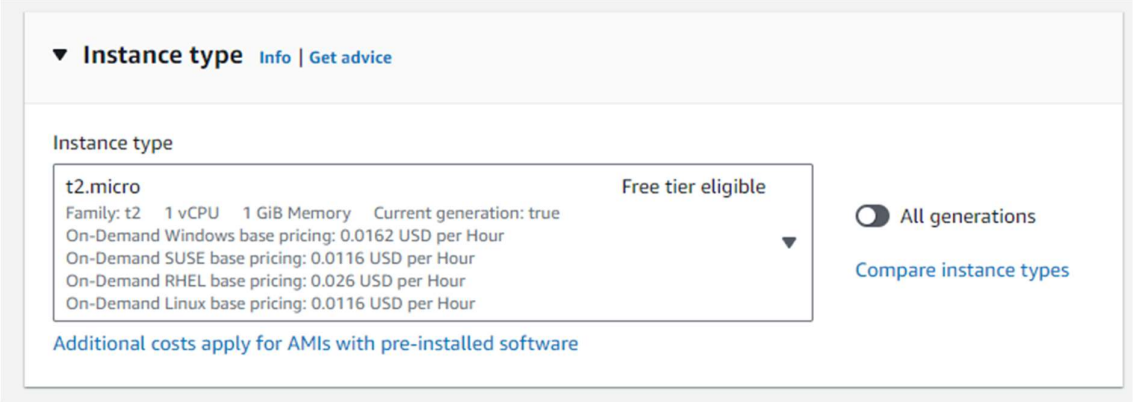
1. **Log in to AWS Management Console**:
    - Go to the AWS Management Console at https://aws.amazon.com/console/
    - Sign in with your AWS credentials.
2. **Navigate to EC2 Dashboard**:
    - In the AWS Management Console, type "EC2" in the search bar and select EC2 to navigate to the EC2 Dashboard.
3. **Launch an Instance**:
    - Click on the "Launch Instance" button.



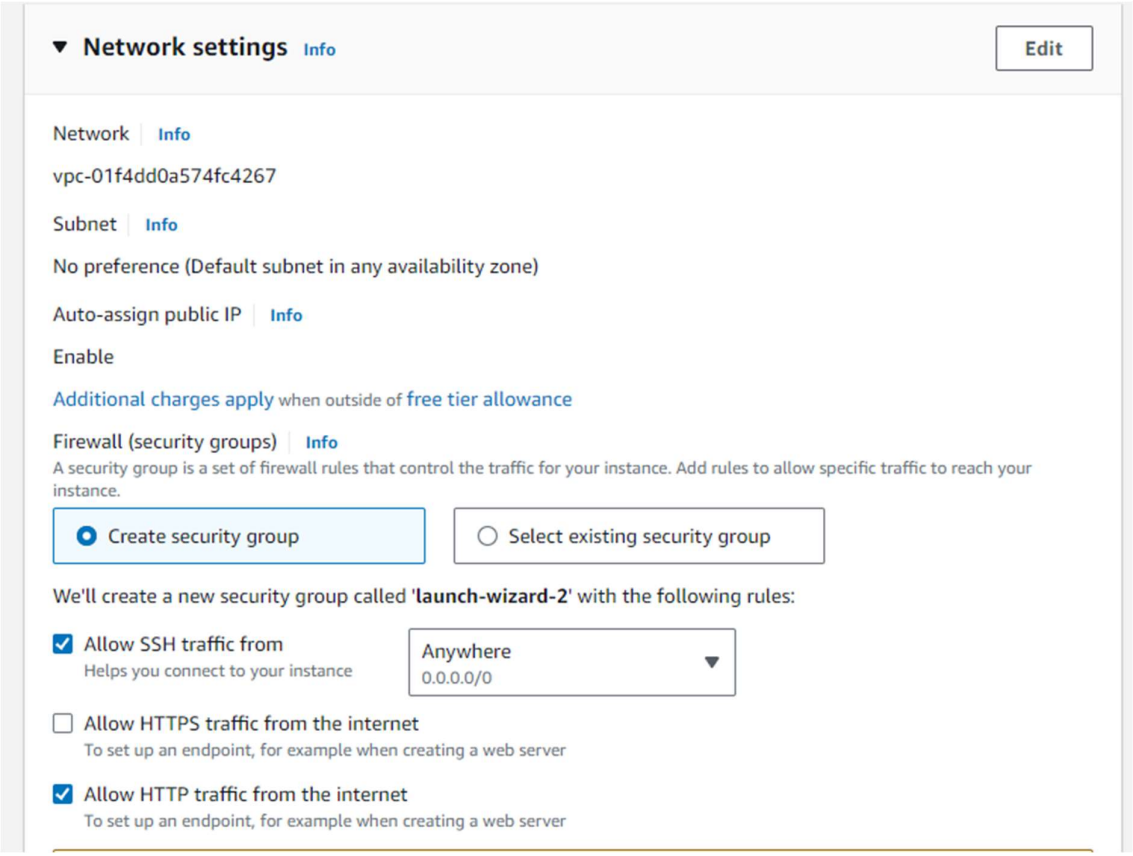
    - Choose an Amazon Machine Image (AMI): Select "Ubuntu Server 20.04 LTS (HVM), SSD Volume Type".



    - Choose an Instance Type: Select `t2.micro` (eligible for the free tier).

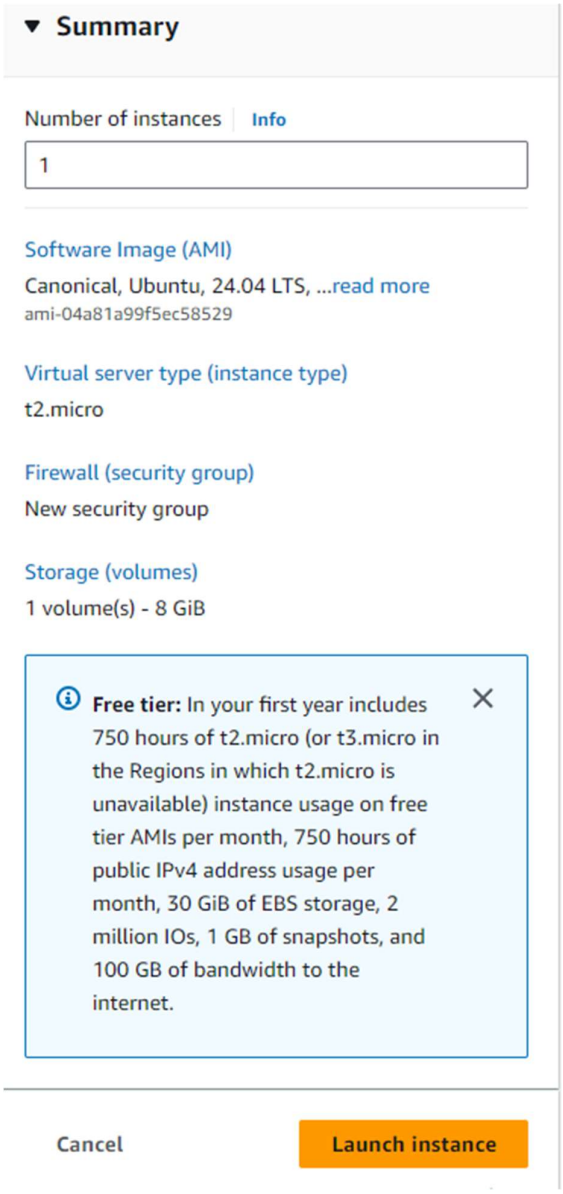


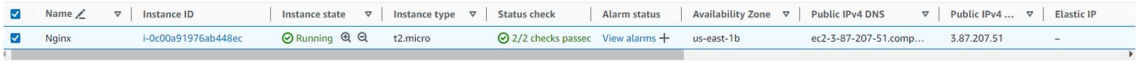
- Configure Instance:
  - Select an existing key pair or create a new one.
  - Network: Choose the default VPC.
  - Subnet: Choose a subnet in the US-East-1 (N. Virginia) region.
  - Enable Auto-assign Public IP.



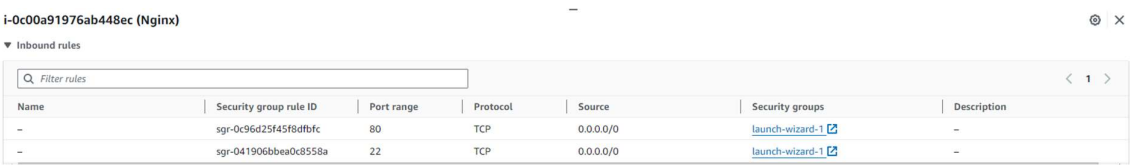
- Add Storage: Keep the default settings.
- Add Tags: Add a tag to identify your instance (e.g., Key: Name, Value: Nginx).

4. **Review and Launch**:
    - Review your instance settings and click "Launch".





5. **Configure Security Group:**
    - Add a new security group with the following rules:
        - Type: HTTP, Protocol: TCP, Port Range: 80, Source: 0.0.0.0/0
        - Type: SSH, Protocol: TCP, Port Range: 22, Source: 0.0.0.0/0



Step 2: Connect to Your Instance

1. **Connect to the EC2 Instance**:
    - In the EC2 Dashboard, select your instance.
    - Click on "Connect" and follow the instructions to connect to your instance using SSH.

Step 3: Install Nginx

1. **Update Package List**:

    ```
    sudo apt update
    ```

2. **Install Nginx**:

    ```
    sudo apt install nginx -y
    ```

3. **Start and Enable Nginx**:

    ```
    sudo systemctl start nginx
    sudo systemctl enable nginx
    sudo systemctl status nginx
    ```

Step 4: Configure Nginx to Display "Hello World"

1. **Modify the Default Nginx Webpage**:
    - Open the default Nginx configuration file:

        ```
        sudo nano /var/www/html/index.nginx-debian.html
        ```

- Replace the content with the following HTML:

```
<!DOCTYPE html>
<html>
<head>
    <title>Welcome to Nginx!</title>
</head>
<body>
    <h1>Hello World</h1>
</body>
</html>
```

```
  GNU nano 7.2
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>Hello World</P>
</body>
</html>
```

2. **Save and Close the File**:
   - Press `Ctrl + X` to close the file.
   - Press `Y` to confirm changes, then press `Enter`.

Step 5: Verify the Configuration

1. **Open a Web Browser**:
   - Enter the public IP address of your EC2 instance in the address bar.
   - You should see a webpage displaying the message: "Hello World".