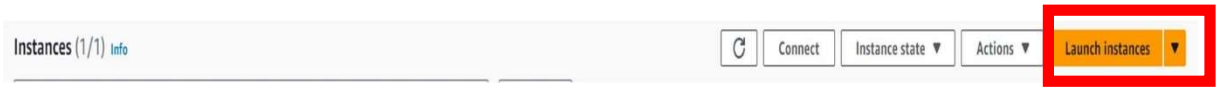
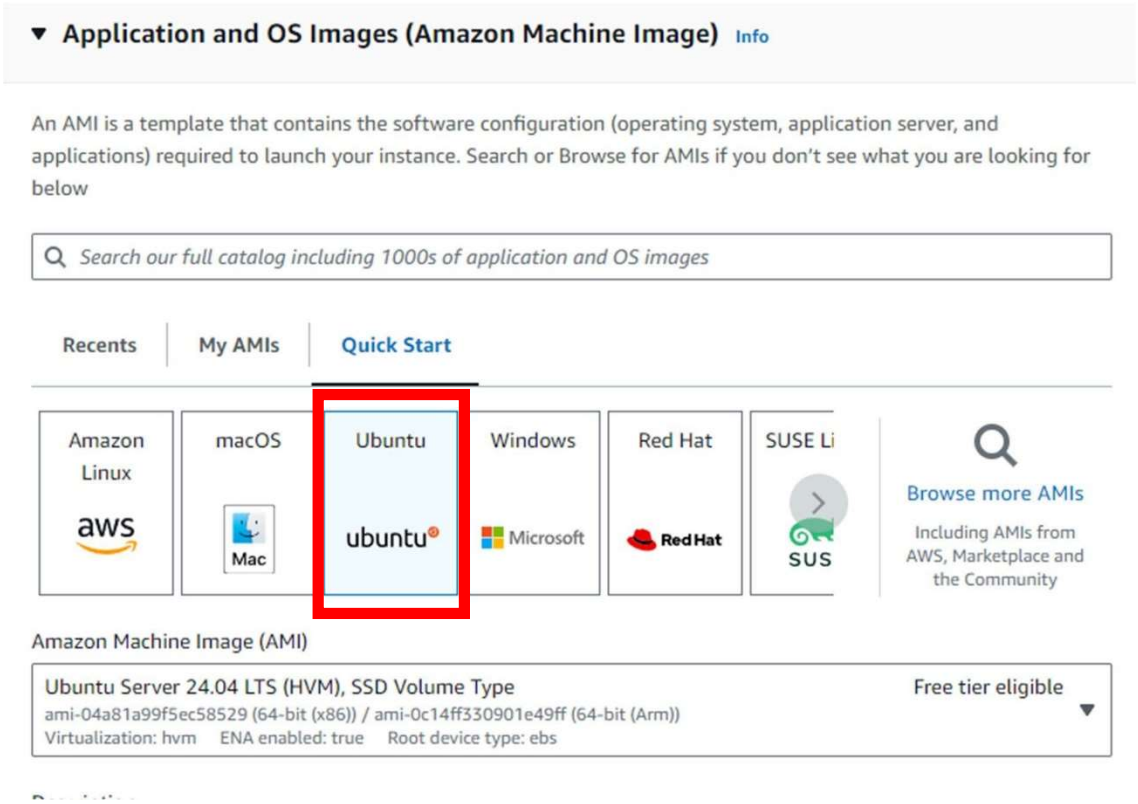
Step 1: Launch an EC2 Instance

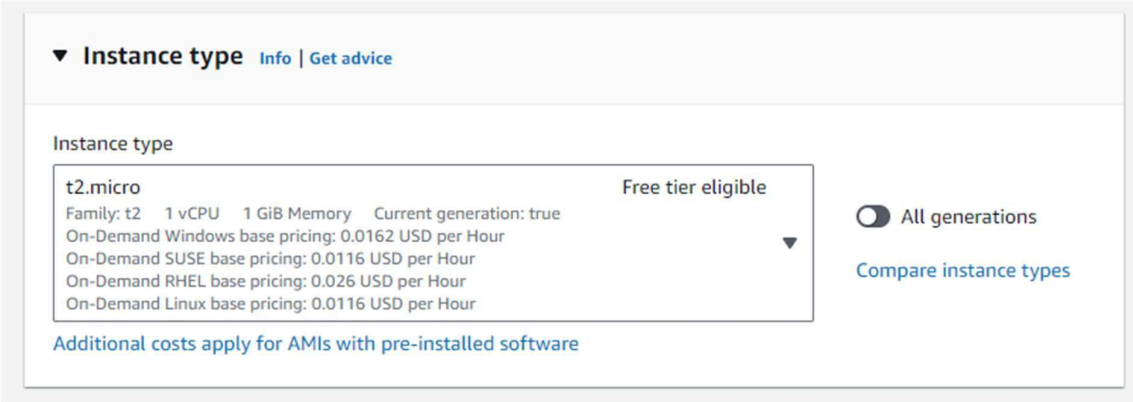
1. **Log in to AWS Management Console**:
    - Go to the AWS Management Console at https://aws.amazon.com/console/
    - Sign in with your AWS credentials.
2. **Navigate to EC2 Dashboard**:
    - In the AWS Management Console, type "EC2" in the search bar and select EC2 to navigate to the EC2 Dashboard.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



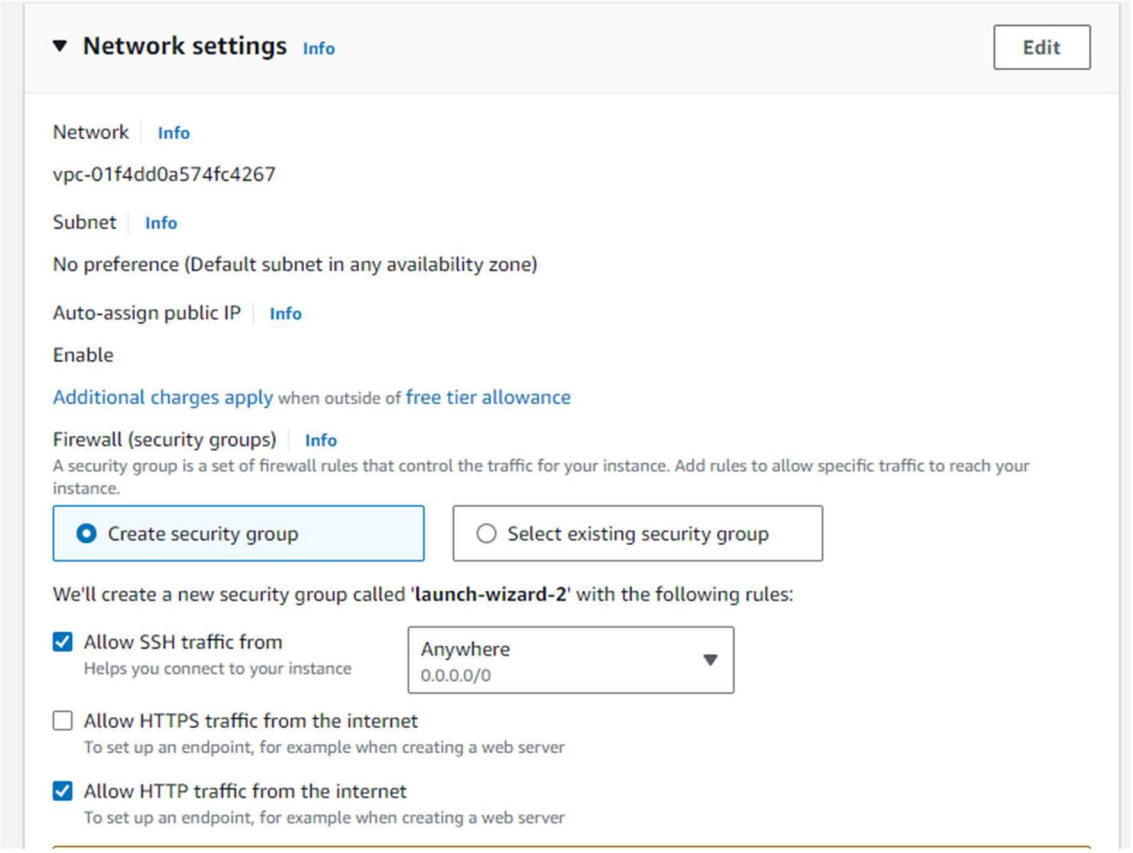
    - Choose an Amazon Machine Image (AMI): Select "Ubuntu Server 20.04 LTS (HVM), SSD Volume Type".



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

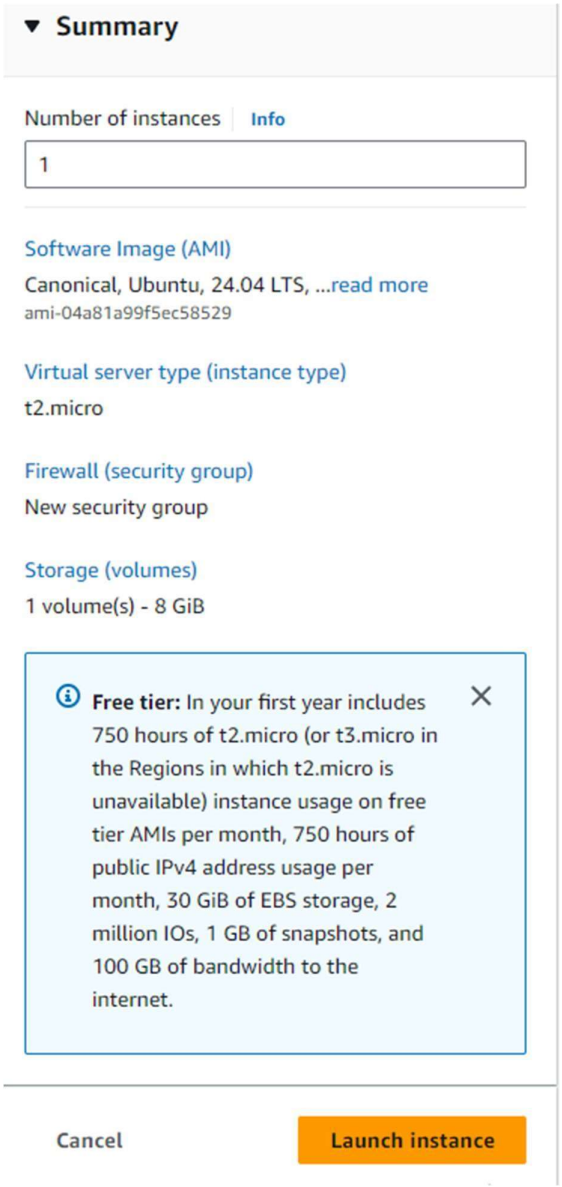


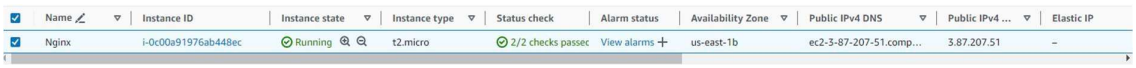
- Configure Instance:
  - Select an existing key pair or create a new one.
  - Network: Choose the default VPC.
  - Subnet: Choose a subnet in the US-East-1 (N. Virginia) region.
  - Enable Auto-assign Public IP.



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

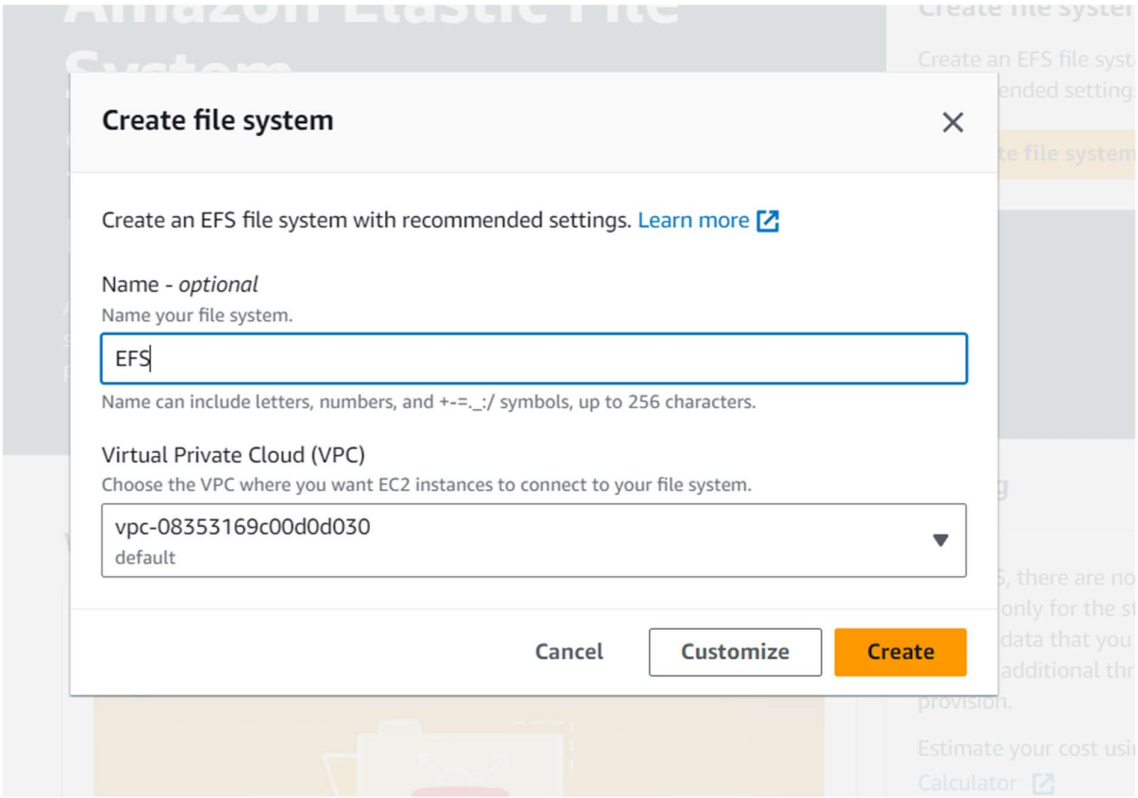
4. **Review and Launch**:
    - Review your instance settings and click "Launch".



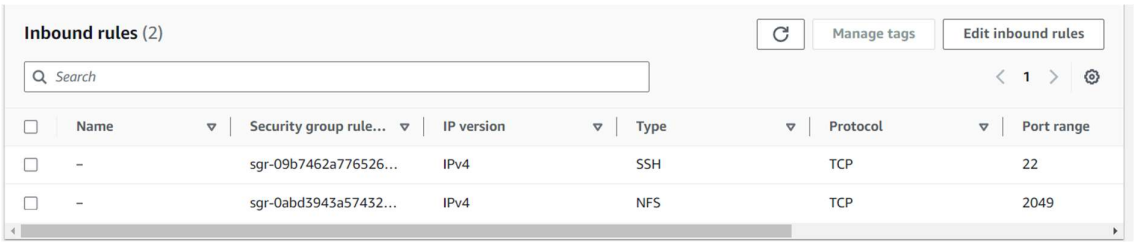


Step 2: Create an EFS File System

1. **Open the EFS Console:**
   - Navigate to the EFS Console.
2. **Create a New File System:**
   - Click "Create file system."



   - Select the VPC and subnets where your EC2 instances are located.
   - Click "Create."
3. **Create Security Group:**
   - Choose the security groups that allow NFS traffic (port 2049).



Step 3: 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 instanceusing SSH.

Step 4: Install EFS Utilities

1. **Update the Package List:**
   sudo apt-get update

2. **Install the EFS Mount Helper:**
   - First, install the necessary dependencies:

     sudo apt-get install -y nfs-common

   - Then, install the EFS mount helper:

     sudo apt-get install -y amazon-efs-utils

Step 5: Mount the EFS File System

1. **Create Mount Point:**

   sudo mkdir /mnt/efs

2. **mount using the file system DNS name::**

   sudo mount -t efs -o tls *file-system-dns-name efs-mount-point*/

   sudo mount -t efs -o tls fs-0a137bc31c19bad5b.efs.us-east-1.amazonaws.com /mnt/efs/

3. **Verify the Mount**

   df -h