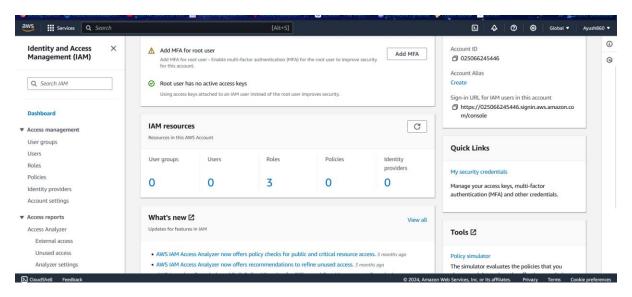
Ayush Raj

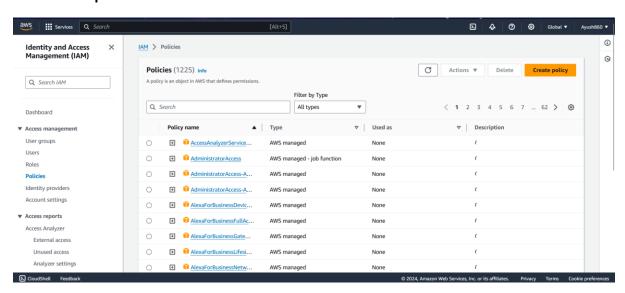
22BRS1117

Creating an lam role and policy for a user using Jason script

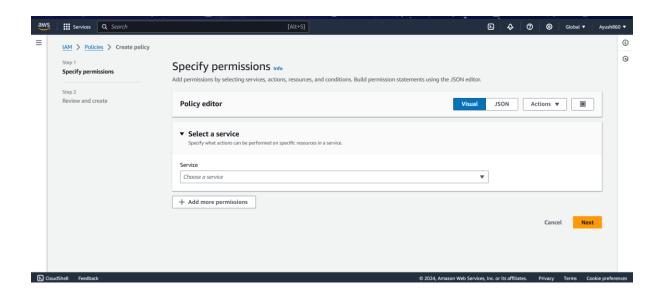
First search for iam in the search bar



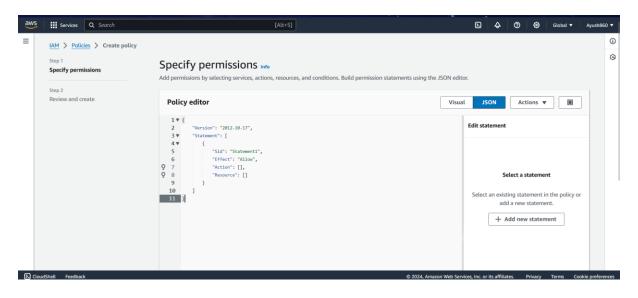
Click on policies



Click on create policy



Choose Json



Write a Json script for allowing start and stop instance by a user

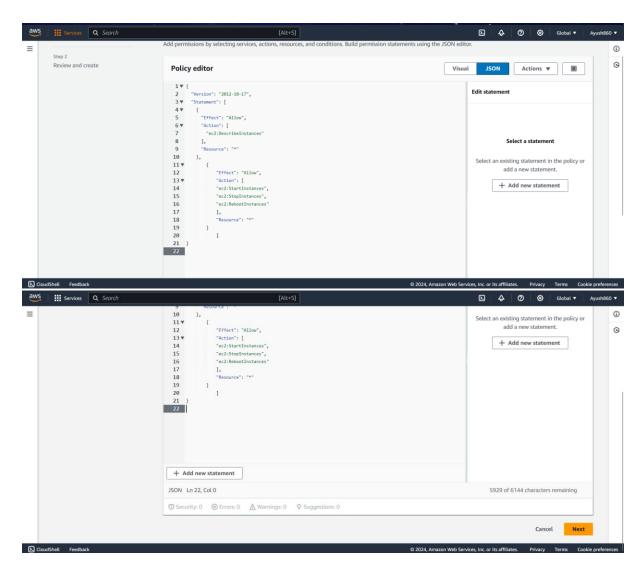
```
{
"Version": "2012-10-17",
```

```
"Statement": [
   "Effect": "Allow",
   "Action": [
    "ec2:DescribeInstances",
    "ec2:DescribeInstanceStatus",
    "ec2:DescribeTags"
   ],
   "Resource": "arn:aws:ec2:us-east-
1:0123456789:instance/i-001122334455"
  },
   "Effect": "Allow",
   "Action": [
    "ec2:StartInstances",
    "ec2:StopInstances",
    "ec2:RebootInstances"
   ],
   "Resource": "arn:aws:ec2:us-east-
1:0123456789:instance/i-001122334455"
```

This part means the account no 0123456789 and the region of that account

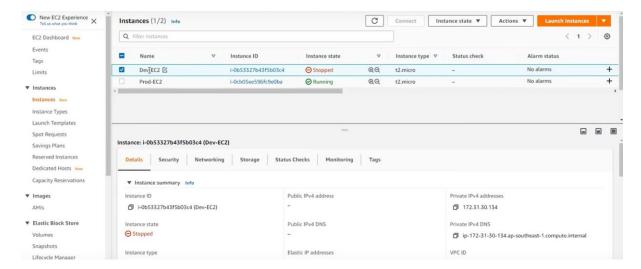
```
}
```

Check for any errors , a cross sign will appear if there is a syntax error

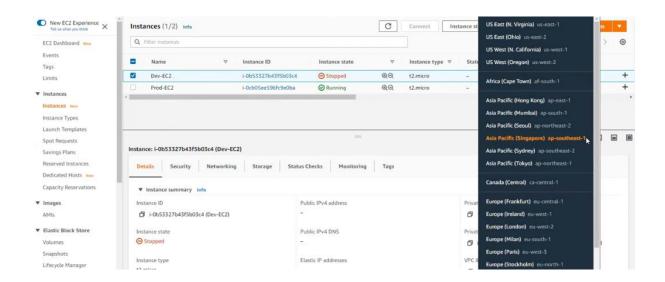


Click next

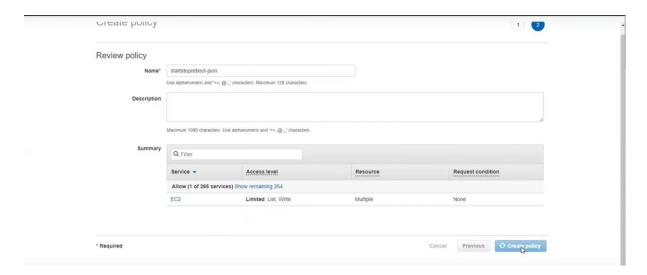
Choose the instance



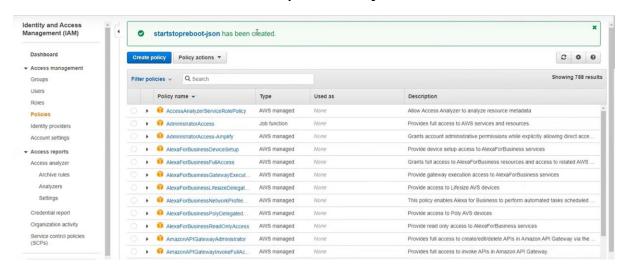
Check the region where the instance is



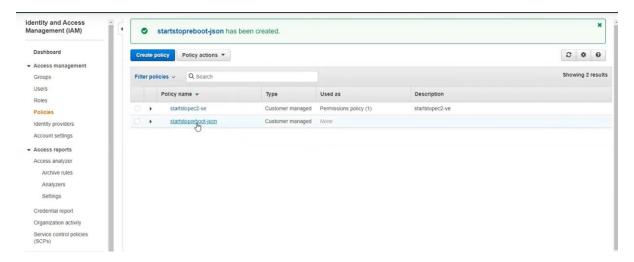
Review the policy and allow user



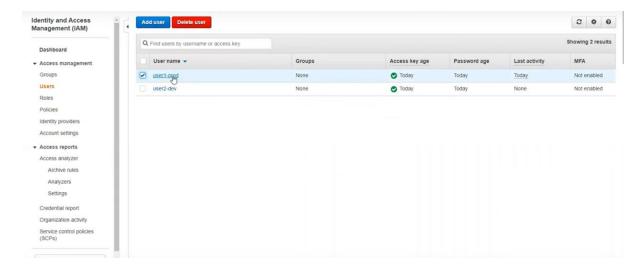
We can see that the startstopreboot-json has been created



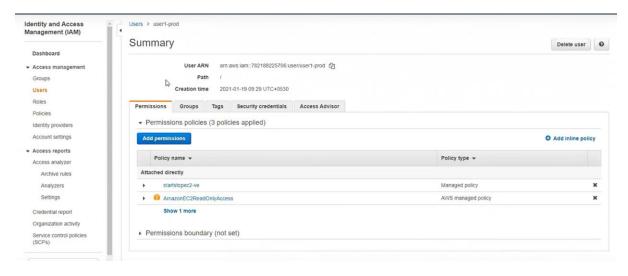
We can check the policy that has been created



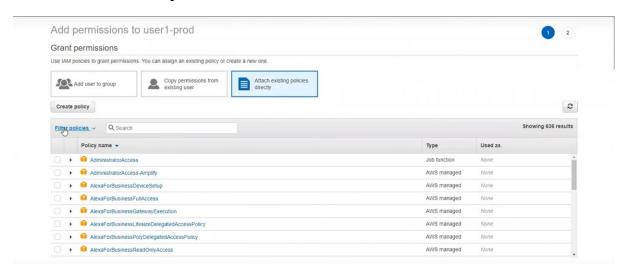
Allow the user add or create a user
Since I already created a user we can see



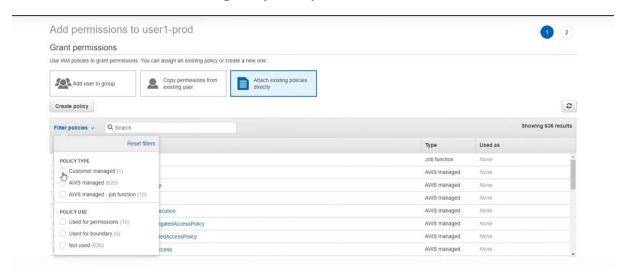
Add permisions and policy



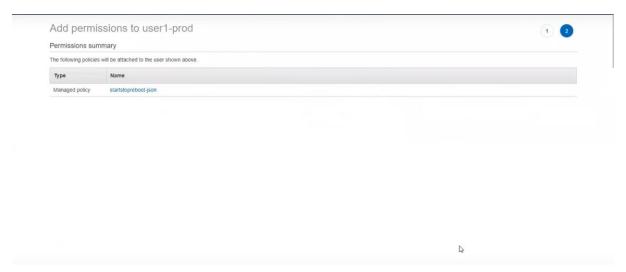
Grant permissions and attach existing policy directly option since we have a json file



Choose custom managed policy

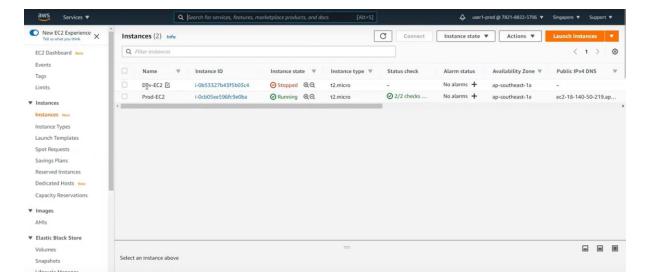


Select our Already existing policy on this user

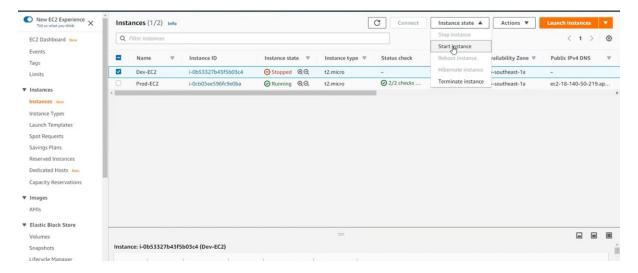


Now we will verify if it is working or not

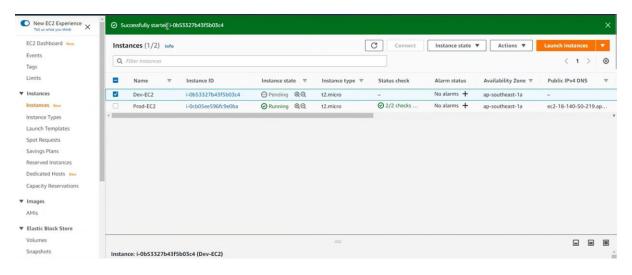
We see that the instance can be started and stopped using this user



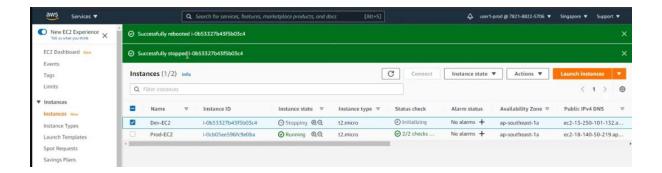
Click on instance state



Successfully started instance



Successfully stopped instance



Now we can change the Json file script to this

```
"Version": "2012-10-17",
"Statement": [
  "Effect": "Deny",
  "Action": "ec2:StartInstances",
  "Resource": "*"
 },
  "Effect": "Allow",
  "Action": "ec2:DescribeInstances",
  "Resource": "*"
```

this will not allow starting of instance for this user