

Spinning a new EC2 Free tier instance and running a node JS process on a specific port

Steps to Spin up an EC2 Instance:

1. Click on Launch Instance.
2. Provide a name of the instance.
3. Select an OS (Ex. Ubuntu)
4. Choose an AMI (Amazon Machine Image) which is free tier eligible.
5. Choose Instance type. (t2.micro/t3.micro)
6. Create a new key pair or choose an existing key pair
7. Modify the rules in Security group if needed.
8. In Advanced details, Change Credit Specification from "Unlimited" to "Standard". (To avoid any charges)
9. Click Launch Instance

Steps to connect to the machine via SSH and run a node JS process on it:

1. open a command line terminal and navigate to the folder where your key pair file is present.
2. run command 'ssh -i keypair ubuntu@publicIP'
3. create a folder with a specific name.
4. run below command:

```
npm init -y  
npm i express  
touch index.js
```

5. Paste below code in the JS file

```
const express=require('express')
const app=express()

app.get('/',(req,res)⇒{
  res.send("Hello World!")
})

app.listen(3000,()⇒{
  console.log("Application is running in port 3000!")
})
```

6. Open port 3000 of VM in security group rules.
7. Run command "node index.js" to start the process.
8. Via Client Machine, try to access the application as
`http://{public_ip/MachineDomainName}:3000`