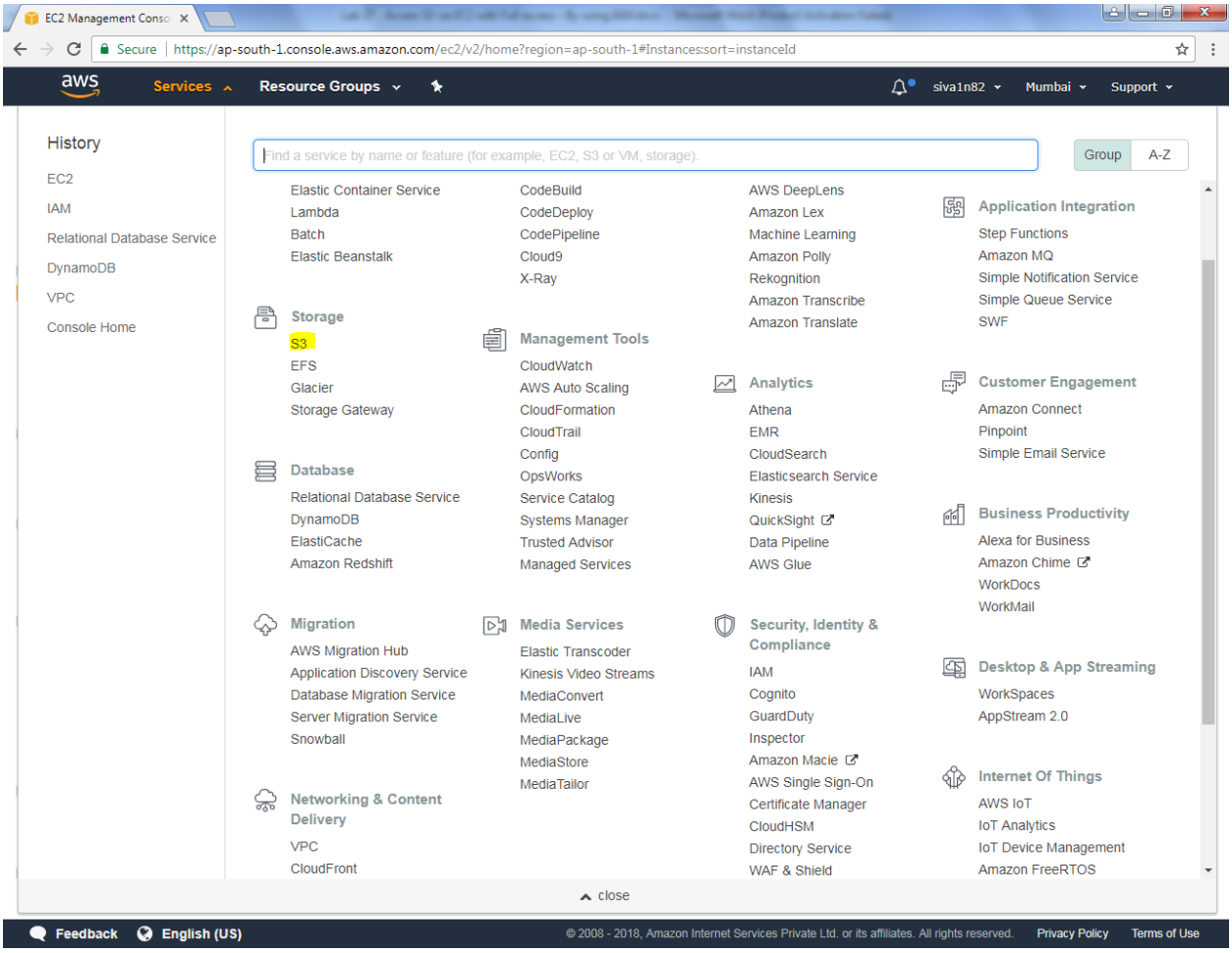
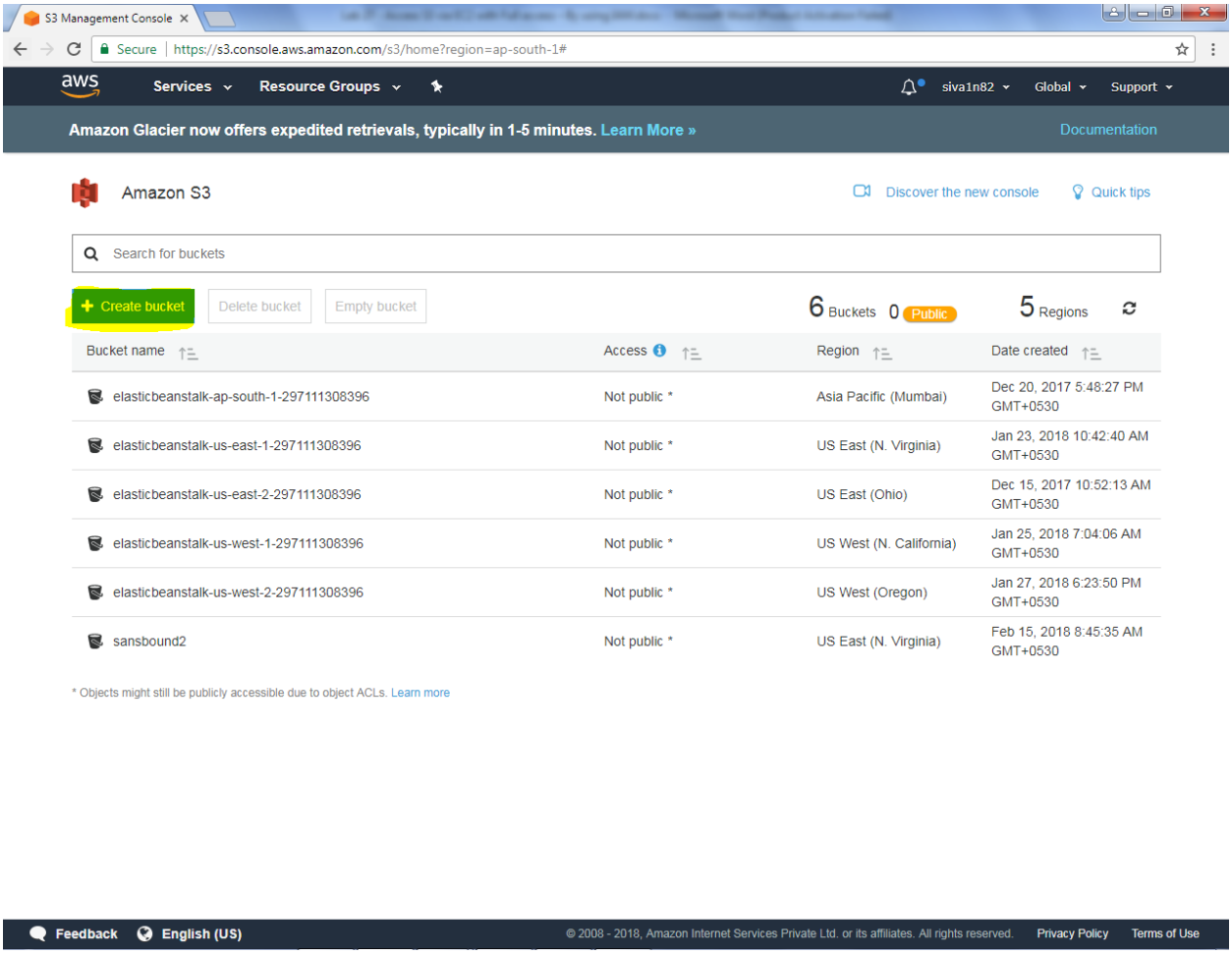
Lab 27

Access S3 via EC2 with Full access – By using IAM

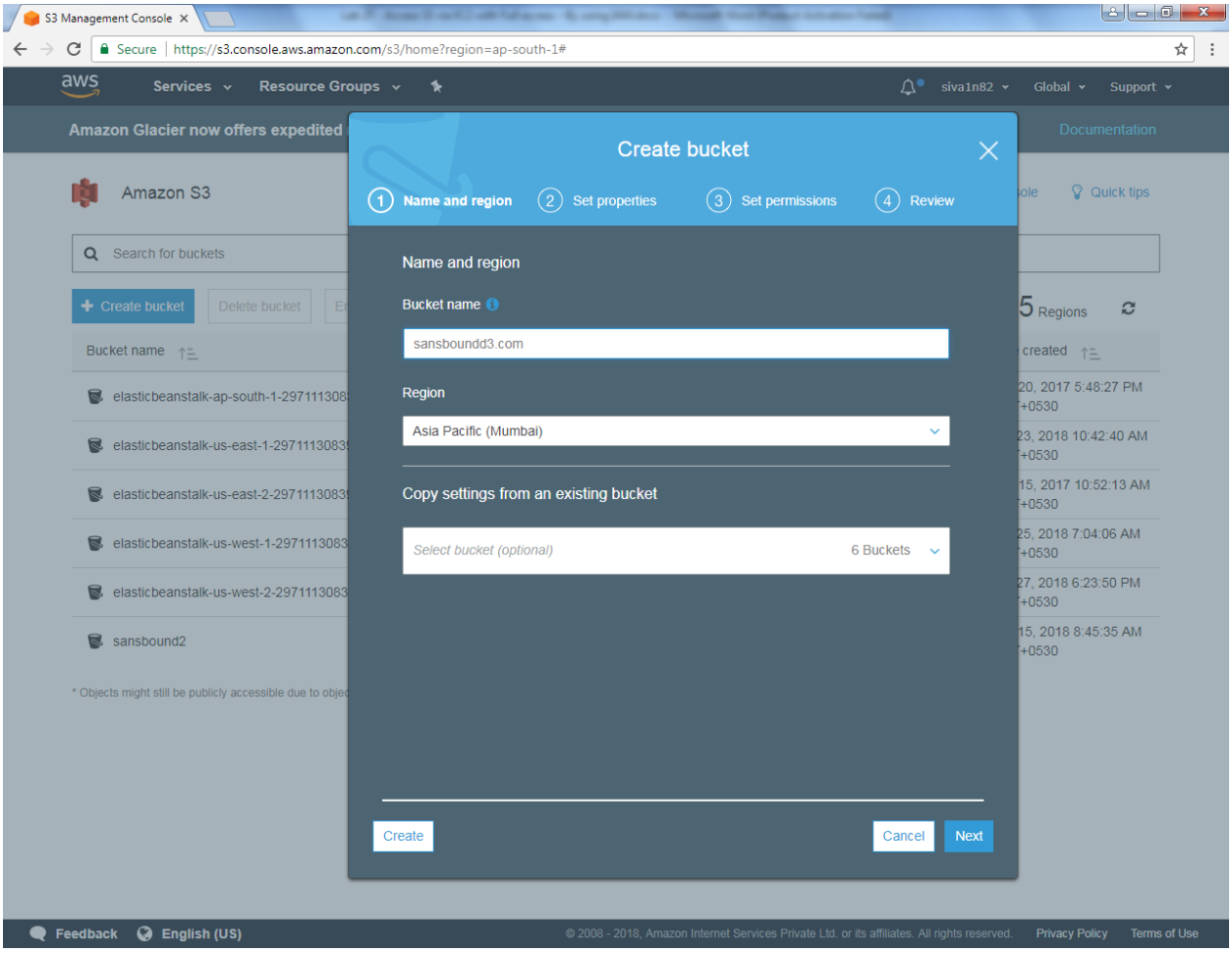
Click “S3” service



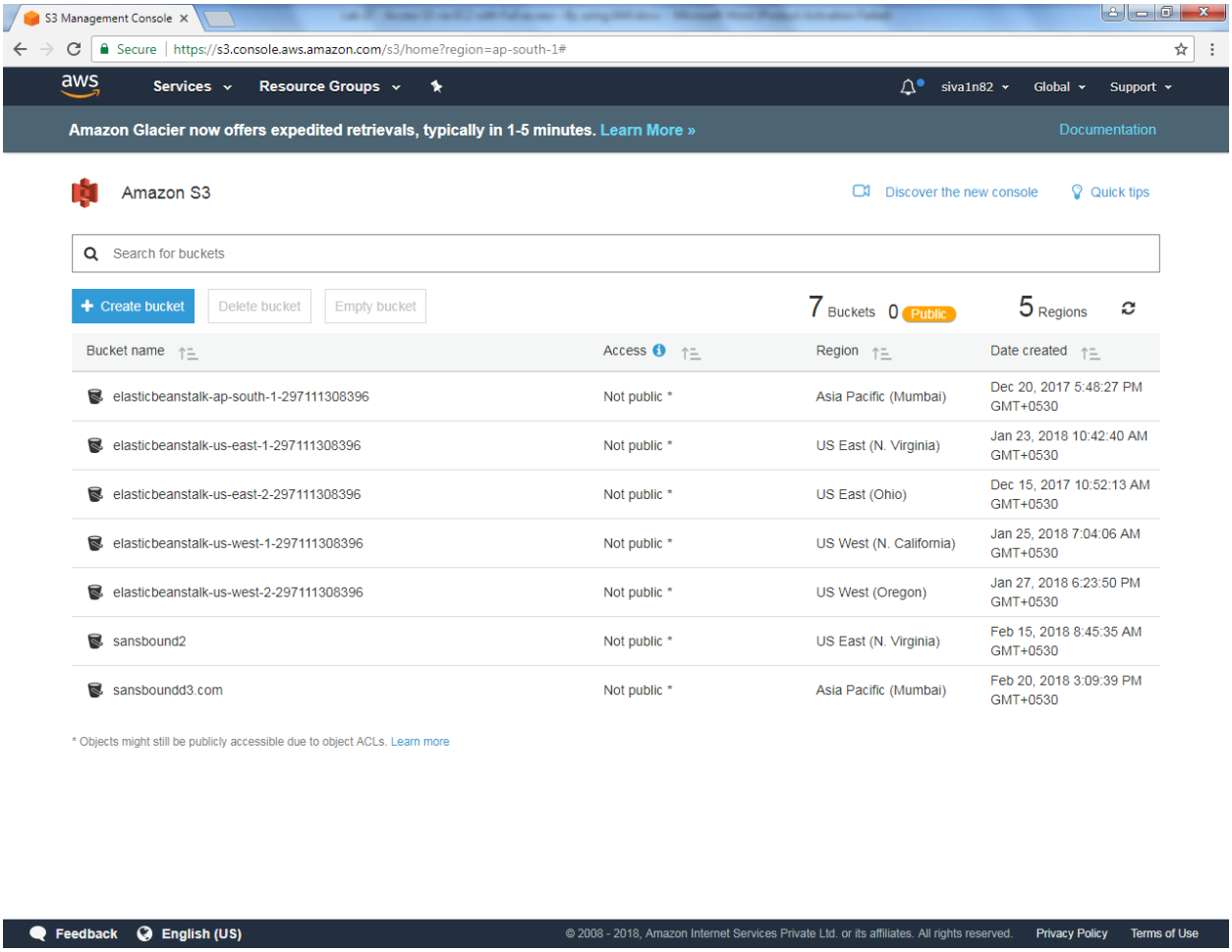
Click “Create bucket”.



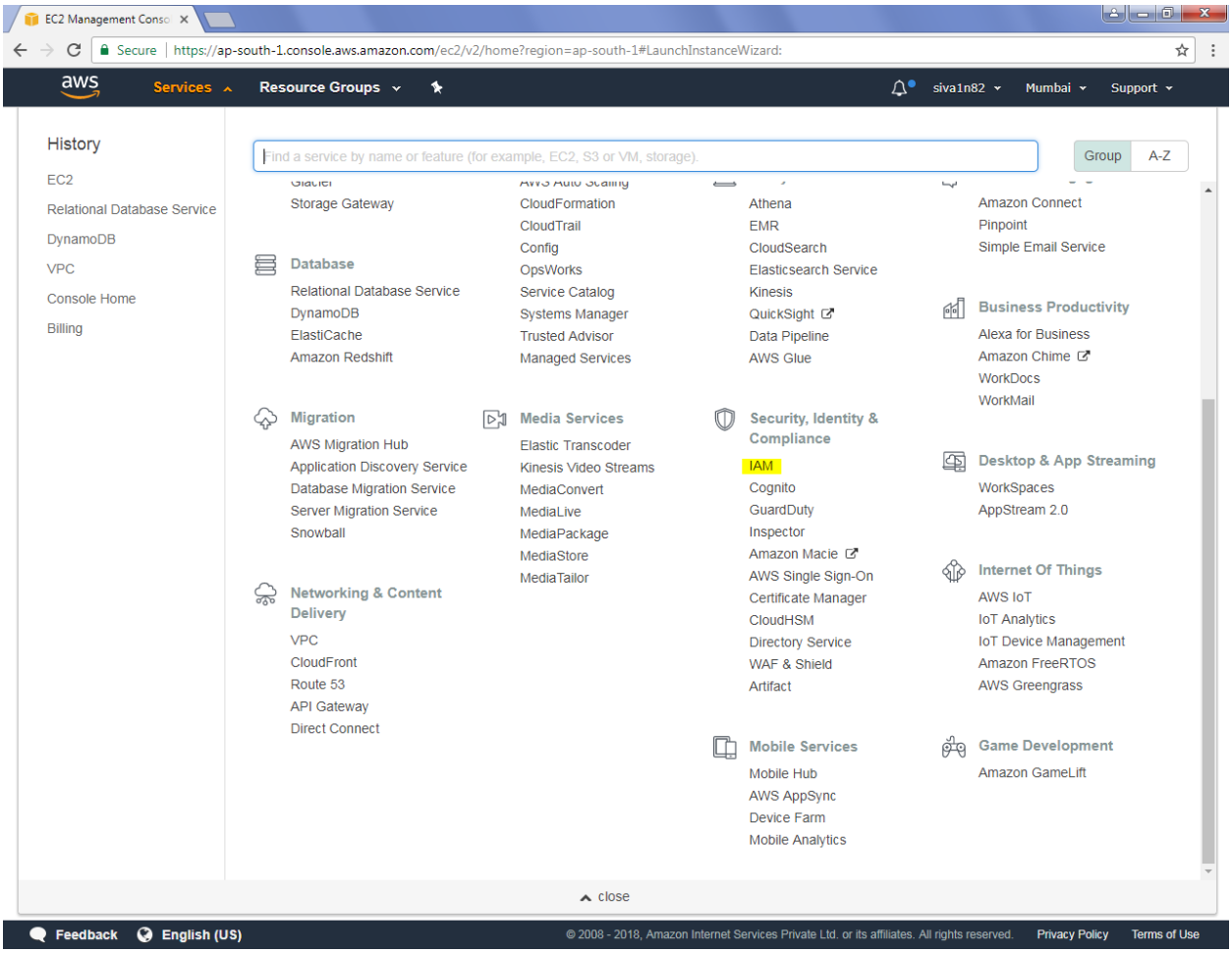
Type sansboundd3.com



Bucket has been successfully created.



Click “IAM” service


EC2 Management Conso
Secure | https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:
aws
Services
Resource Groups
siva1n82
Mumbai
Support
History
EC2
Relational Database Service
DynamoDB
VPC
Console Home
Billing
Find a service by name or feature (for example, EC2, S3 or VM, storage).
Group
A-Z
Storage Gateway
CloudFormation
CloudTrail
Config
OpsWorks
Service Catalog
Systems Manager
Trusted Advisor
Managed Services
Athena
EMR
CloudSearch
Elasticsearch Service
Kinesis
QuickSight
Data Pipeline
AWS Glue
Amazon Connect
Pinpoint
Simple Email Service
Database
Relational Database Service
DynamoDB
ElastiCache
Amazon Redshift
Business Productivity
Alexa for Business
Amazon Chime
WorkDocs
WorkMail
Migration
AWS Migration Hub
Application Discovery Service
Database Migration Service
Server Migration Service
Snowball
Media Services
Elastic Transcoder
Kinesis Video Streams
MediaConvert
MediaLive
MediaPackage
MediaStore
MediaTailor
Security, Identity & Compliance
IAM
Cognito
GuardDuty
Inspector
Amazon Macie
AWS Single Sign-On
Certificate Manager
CloudHSM
Directory Service
WAF & Shield
Artifact
Desktop & App Streaming
WorkSpaces
AppStream 2.0
Internet Of Things
AWS IoT
IoT Analytics
IoT Device Management
Amazon FreeRTOS
AWS Greengrass
Networking & Content Delivery
VPC
CloudFront
Route 53
API Gateway
Direct Connect
Mobile Services
Mobile Hub
AWS AppSync
Device Farm
Mobile Analytics
Game Development
Amazon GameLift
close
Feedback
English (US)
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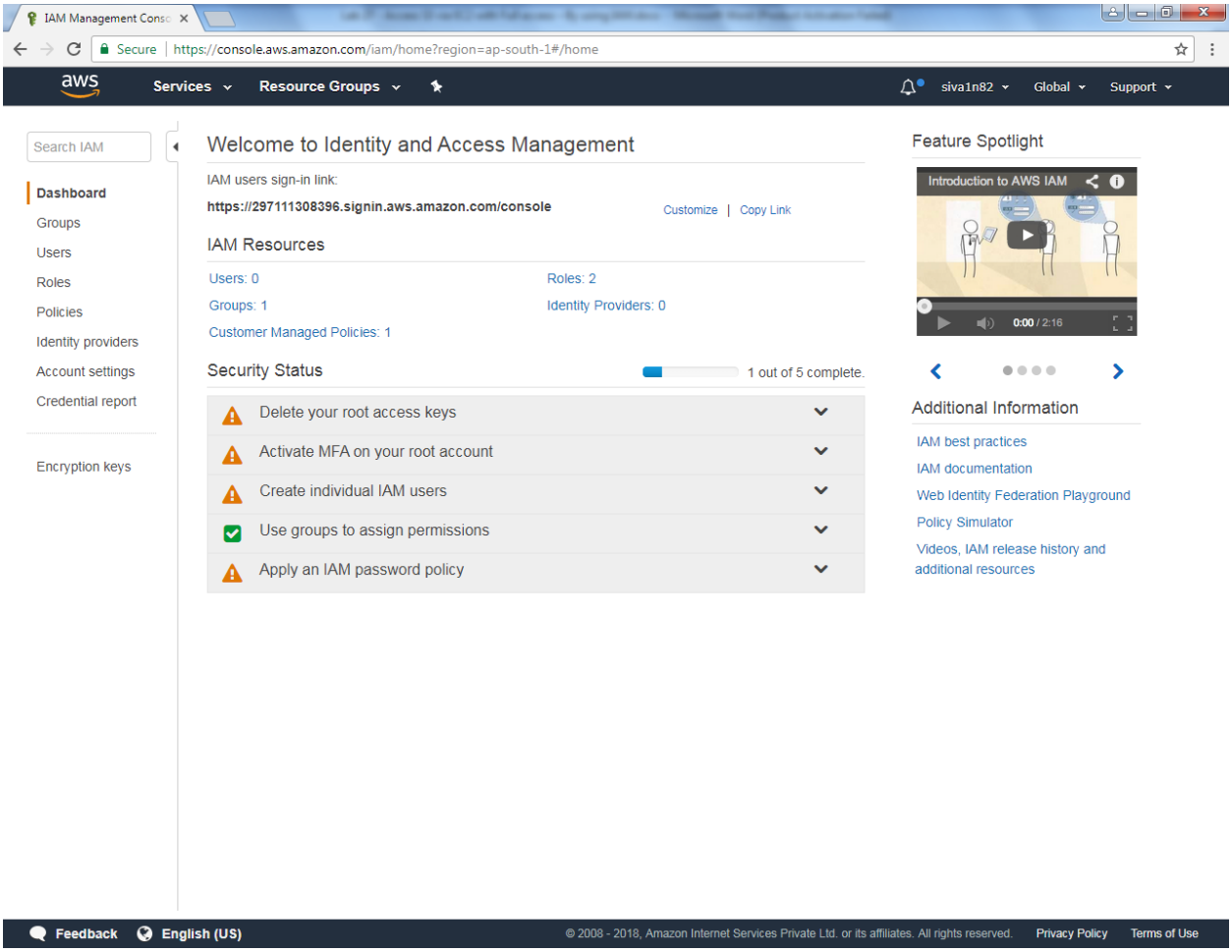
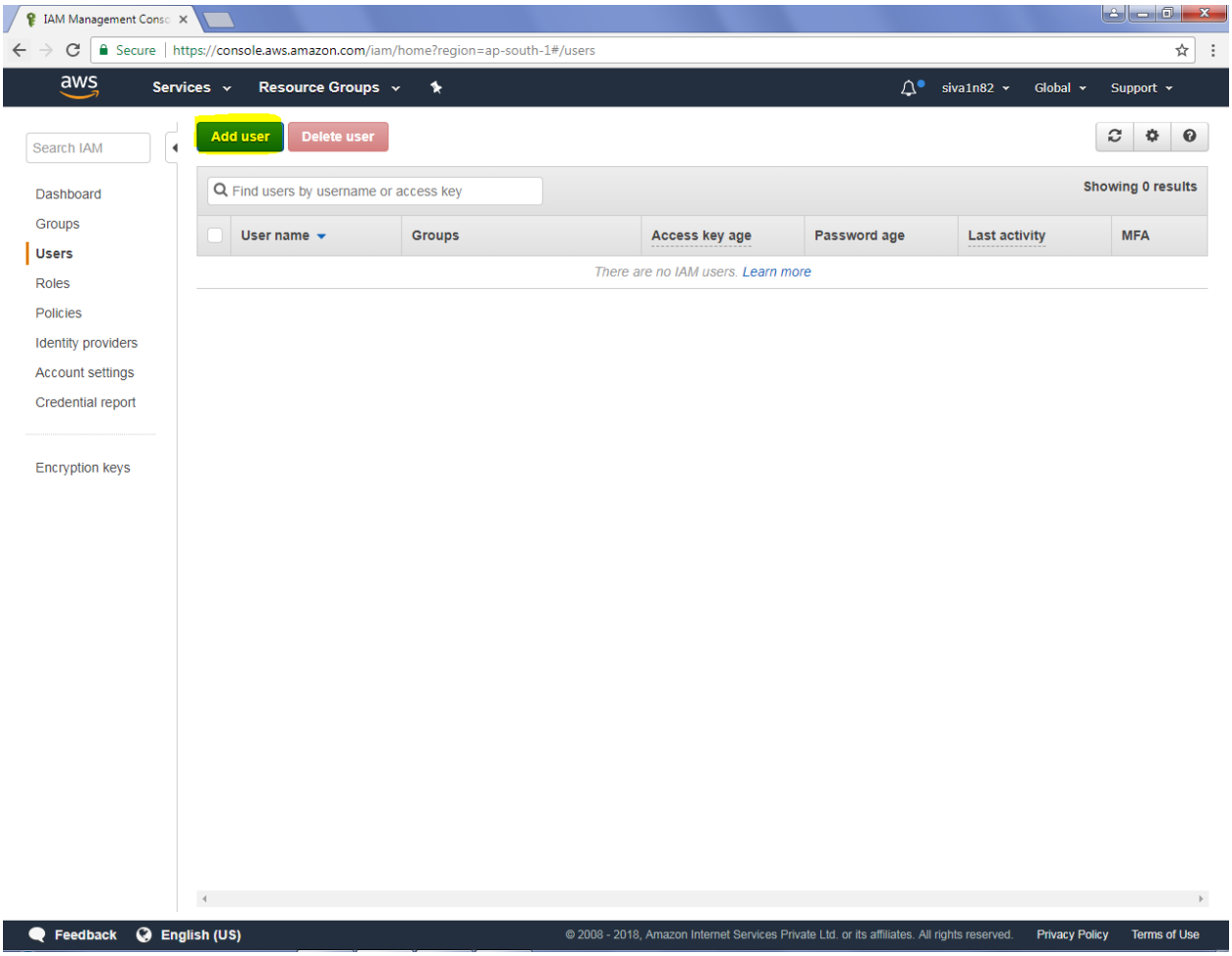
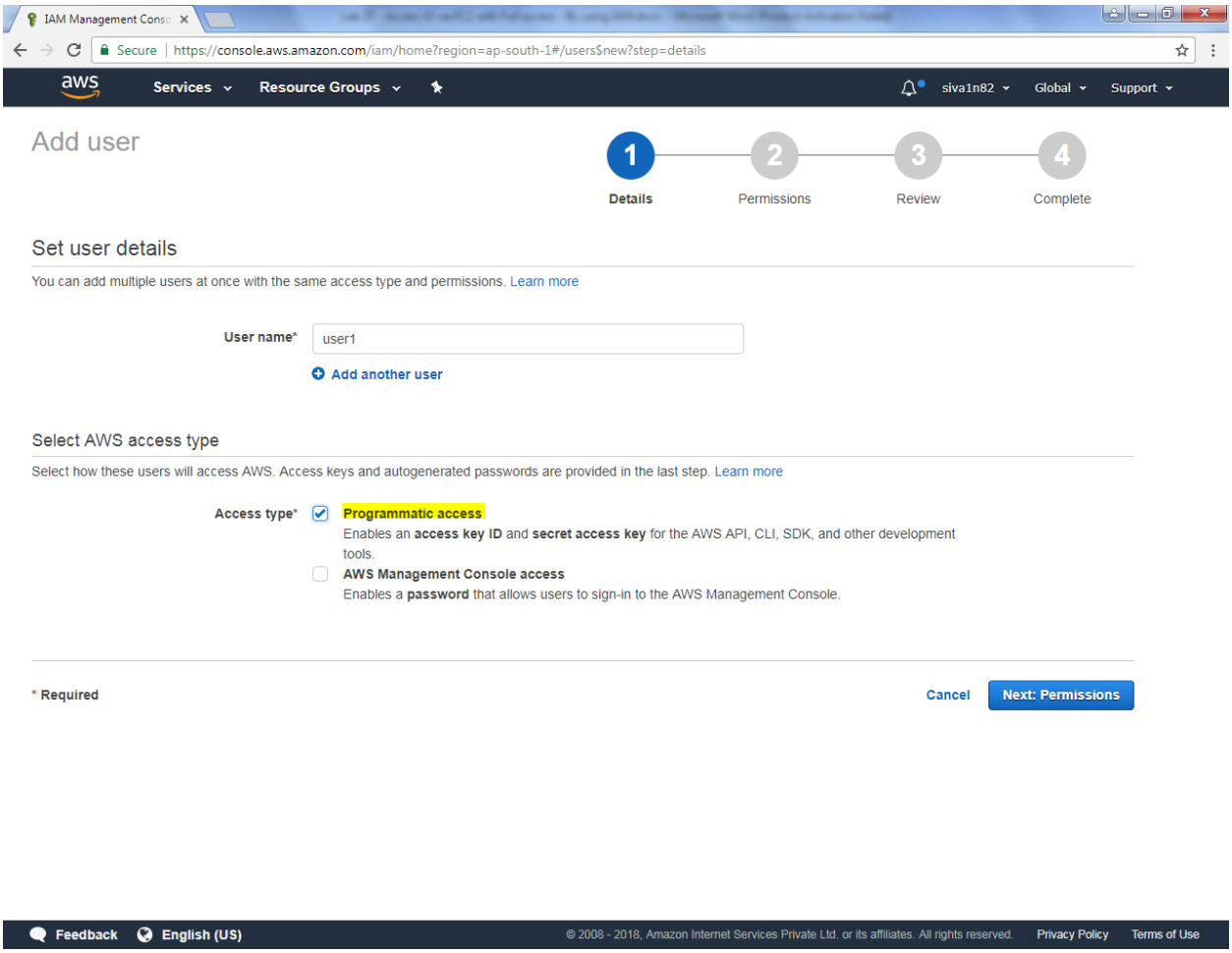
Click “Users”.



Click “Add user”.

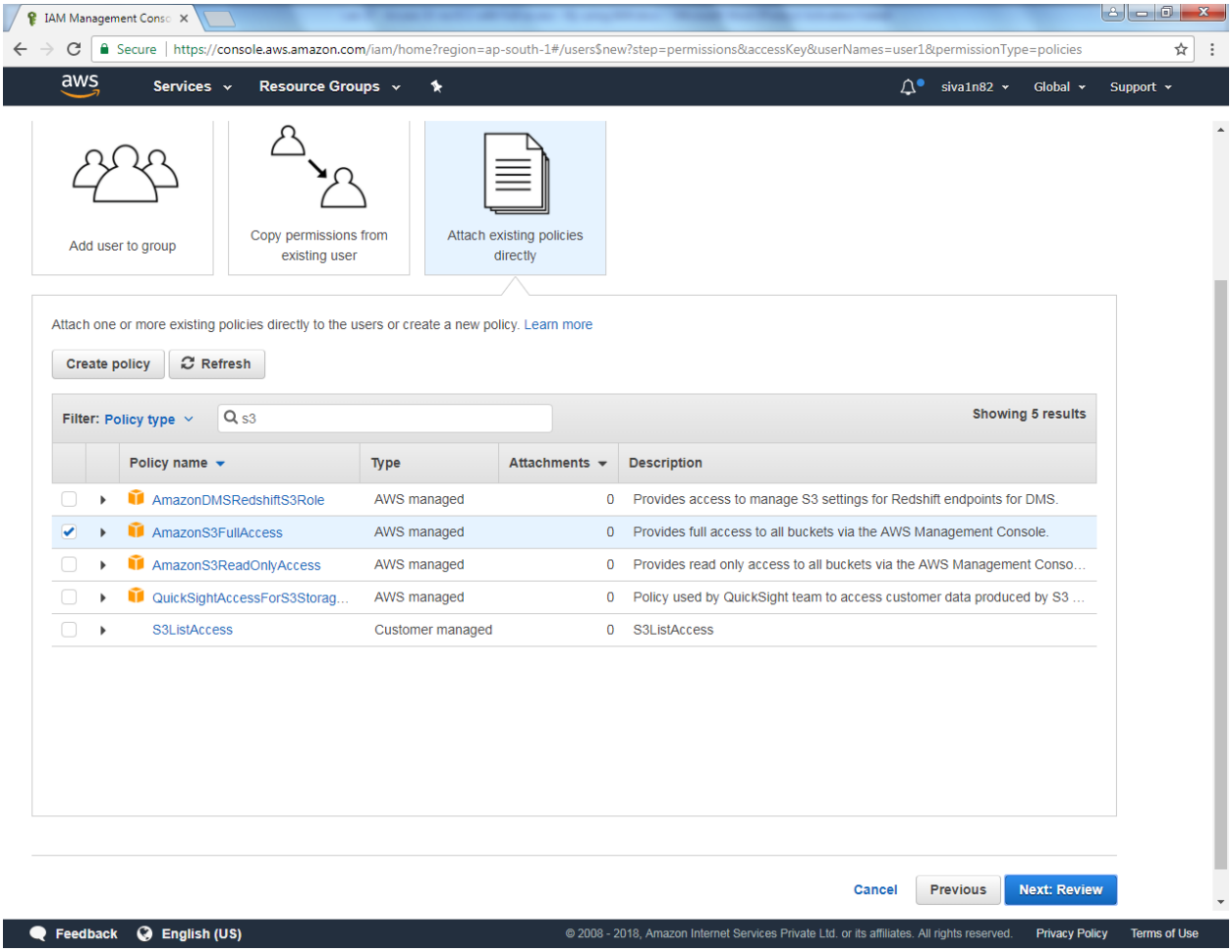


Type user name and select the access type as programmatic access.



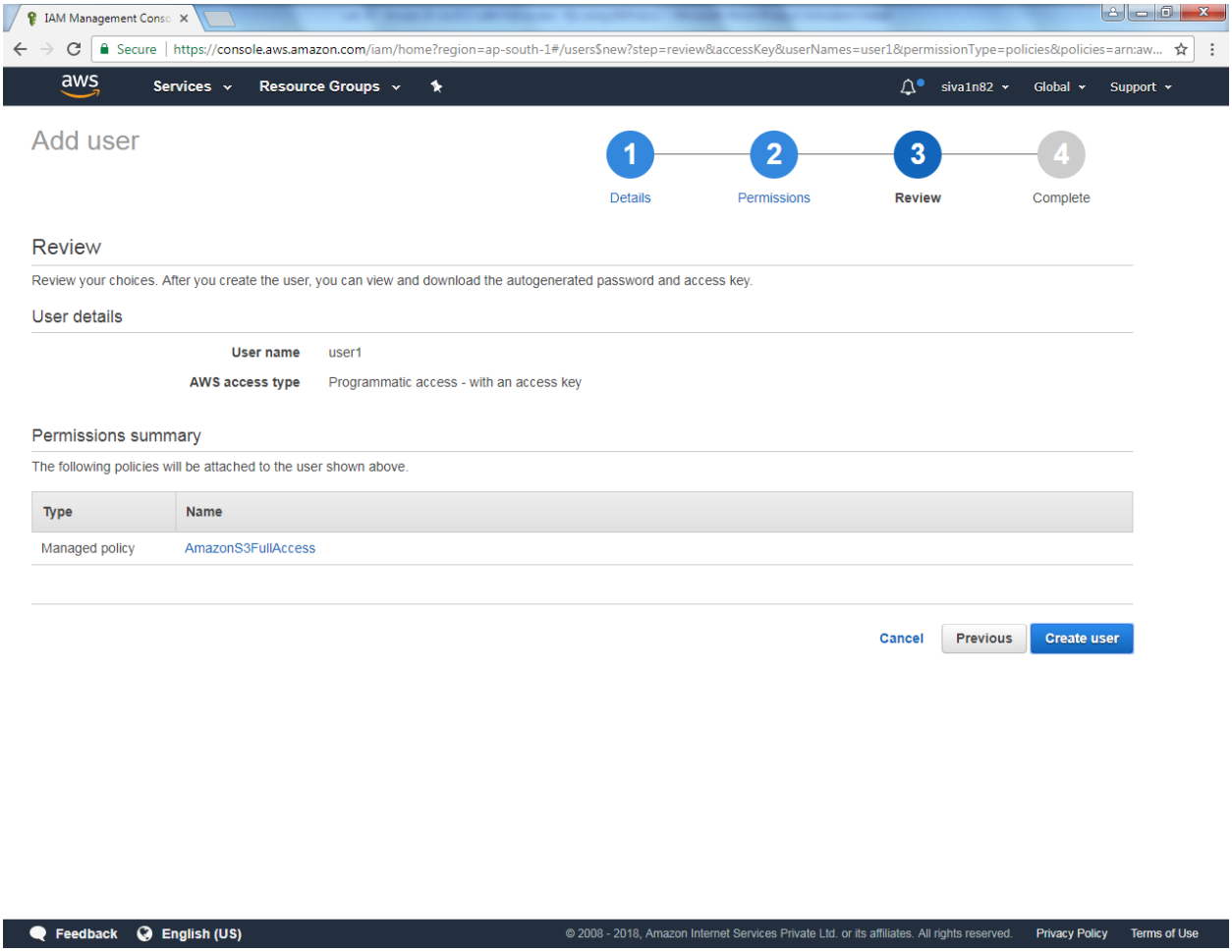
Click “Next”.

Select attach existing policies directly and provide **AmazonS3 Full access.**

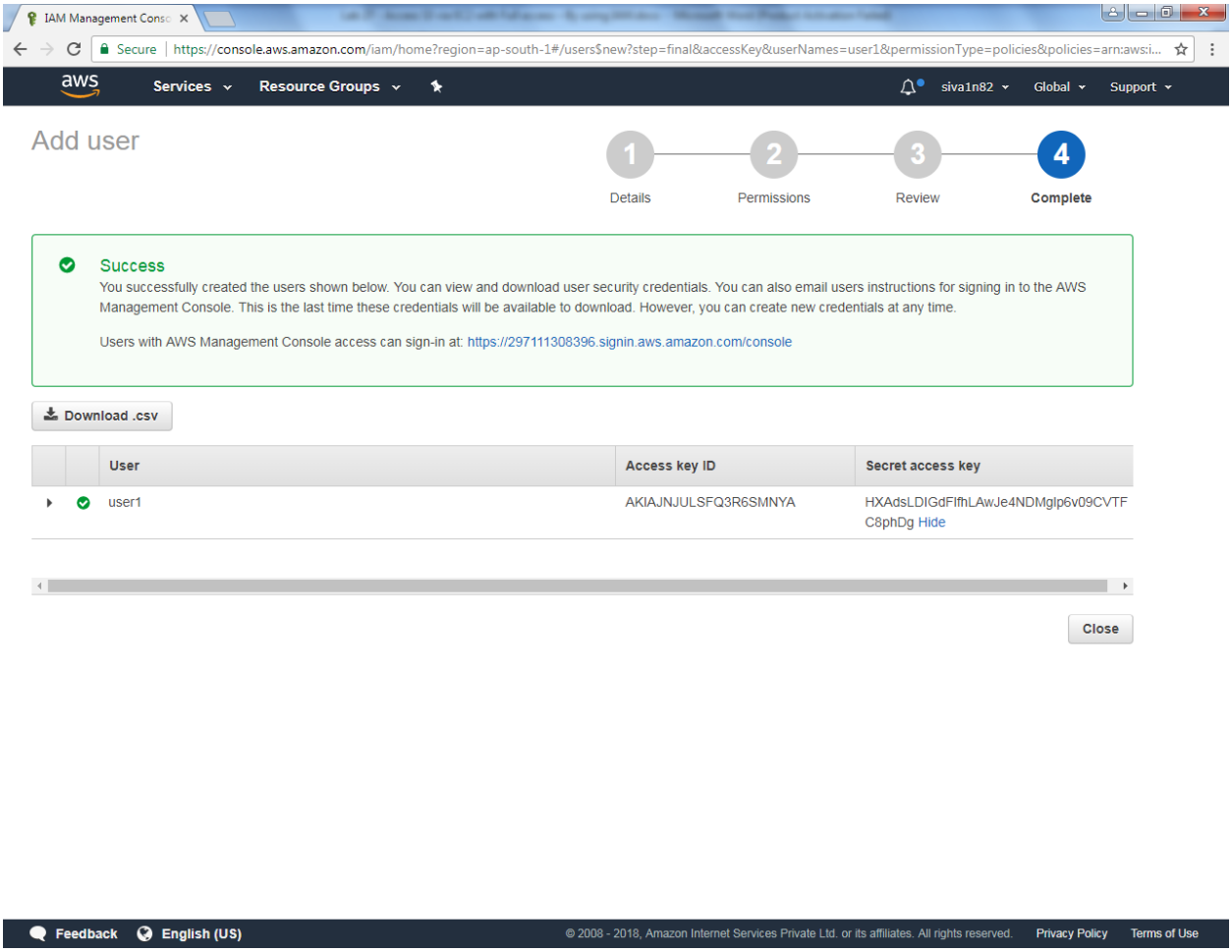


Click “Next”.

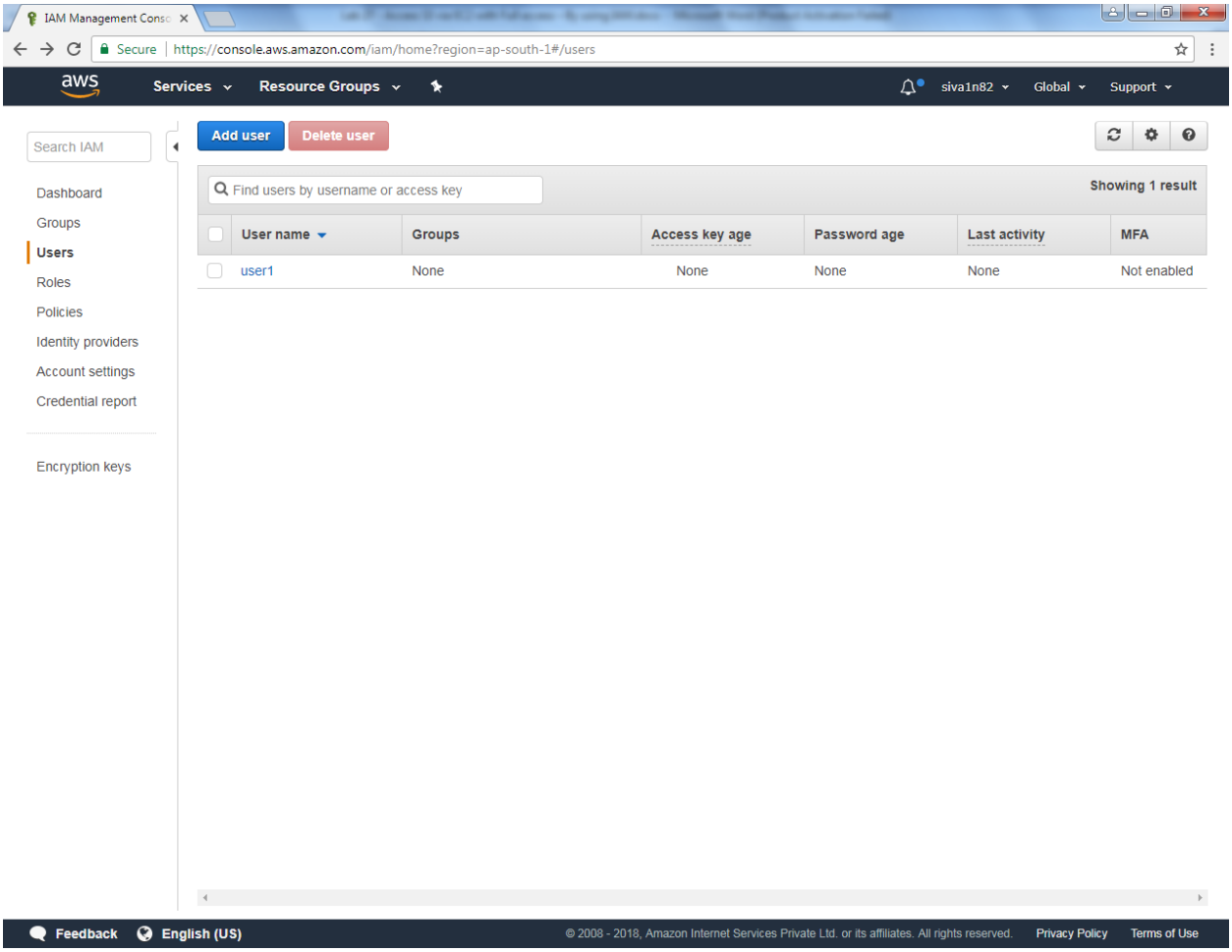
Click “Create user”.



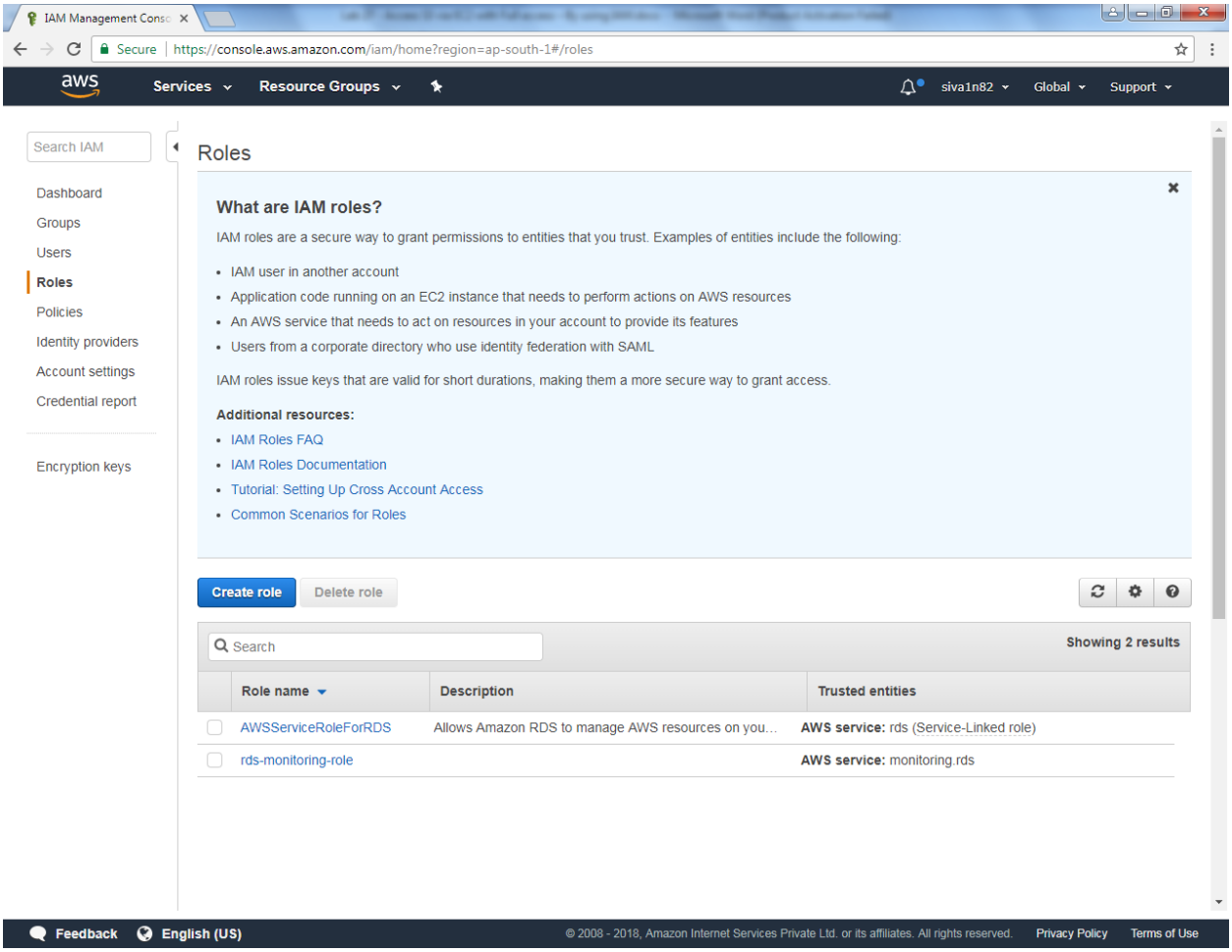
You can able to view the access key.



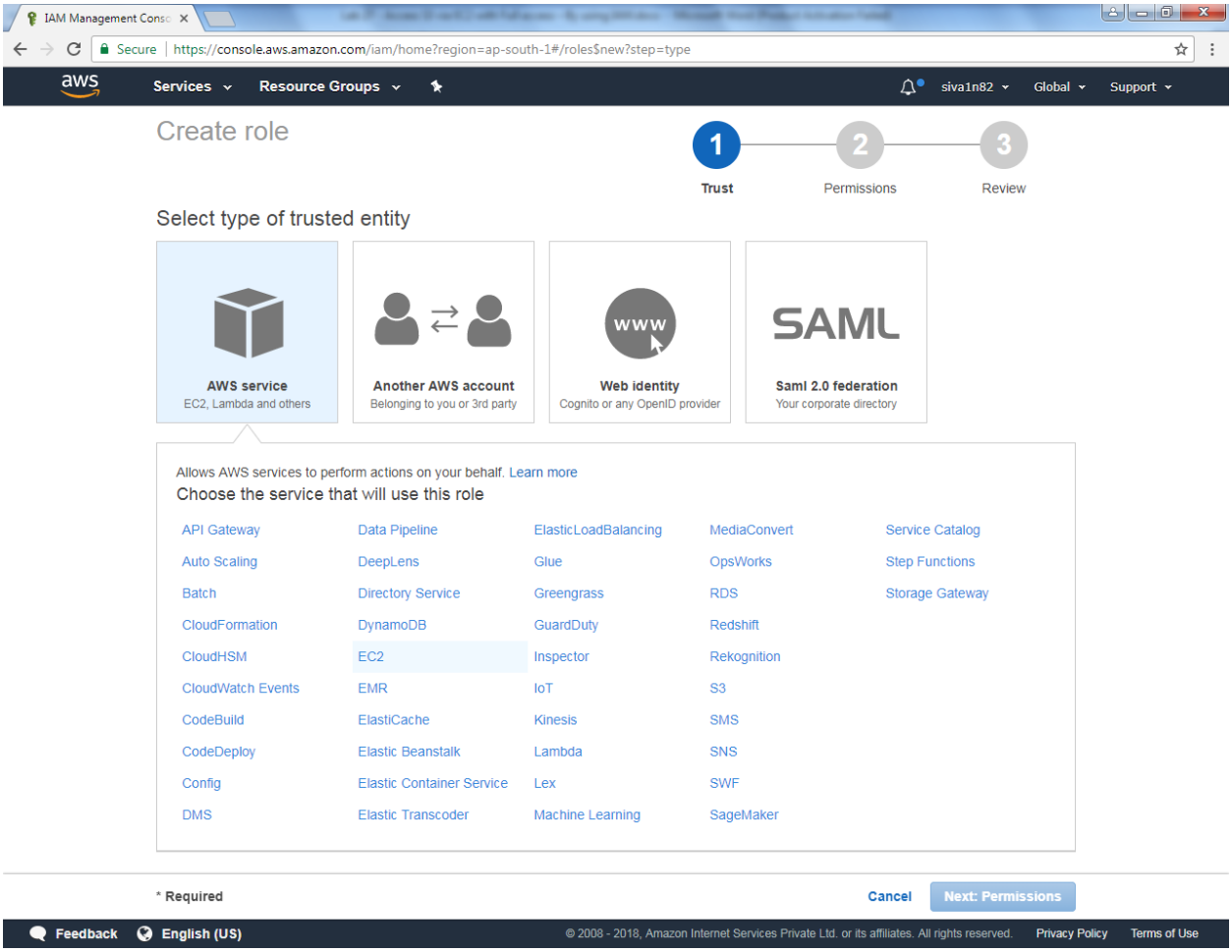
You can able to view the user.



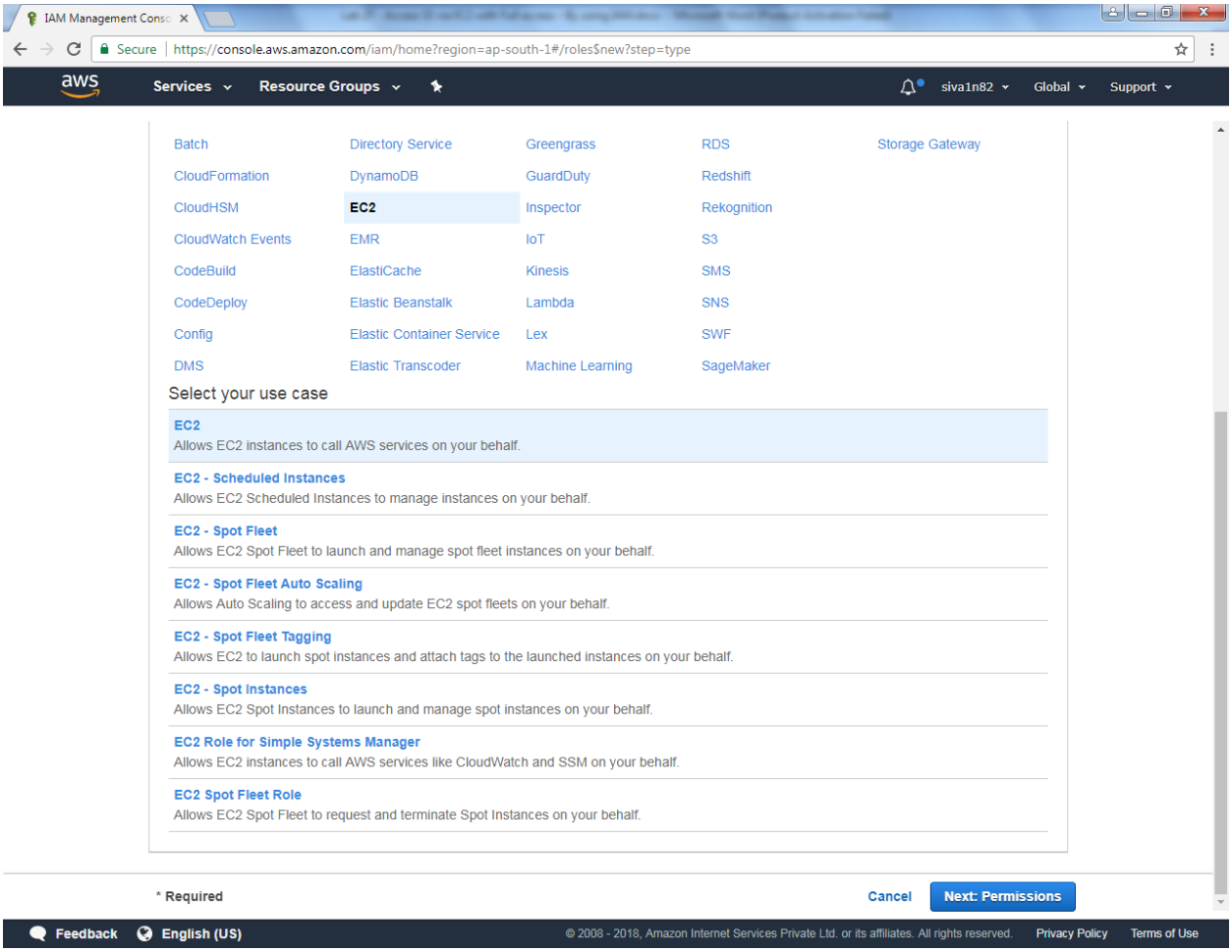
Click Roles and click create role.



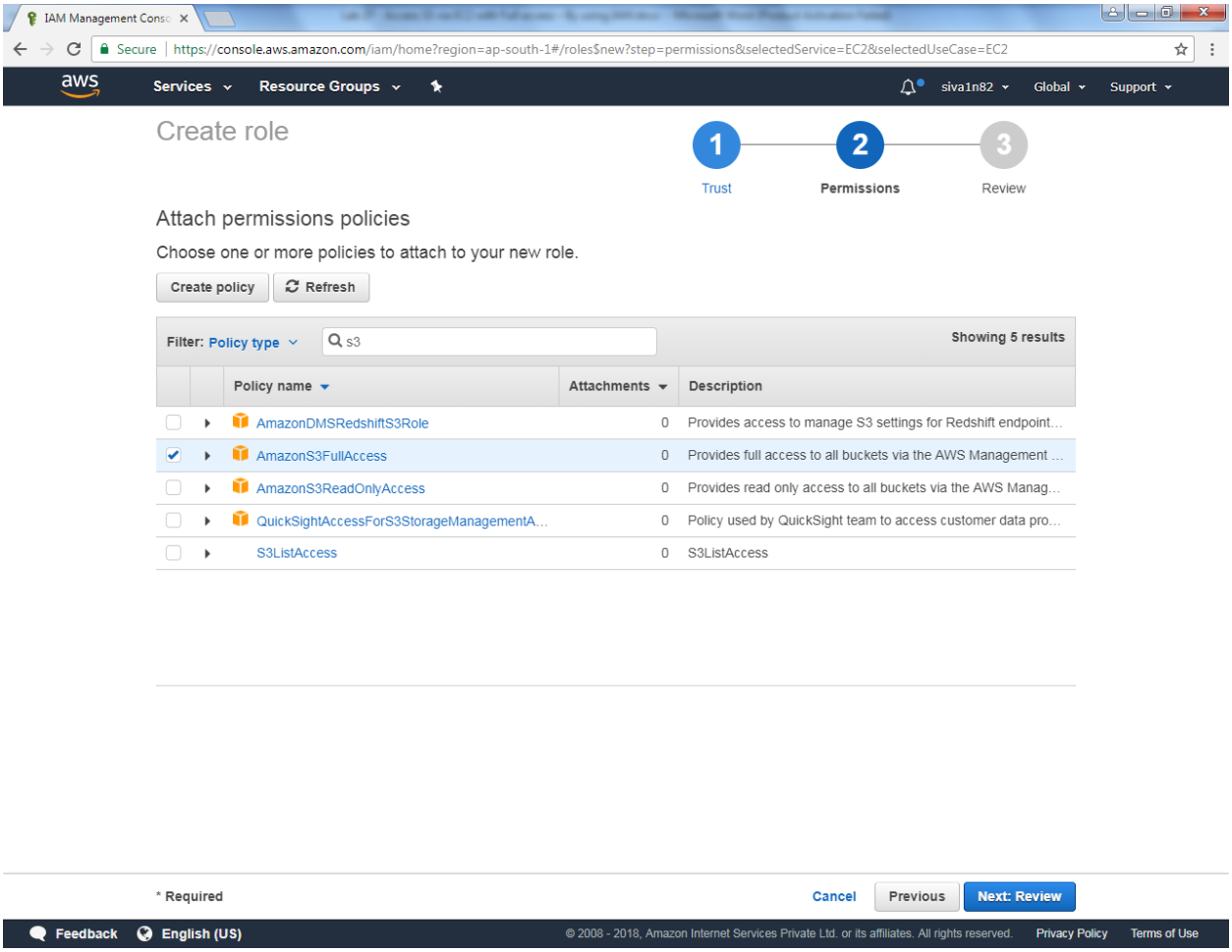
Click “EC2” Service



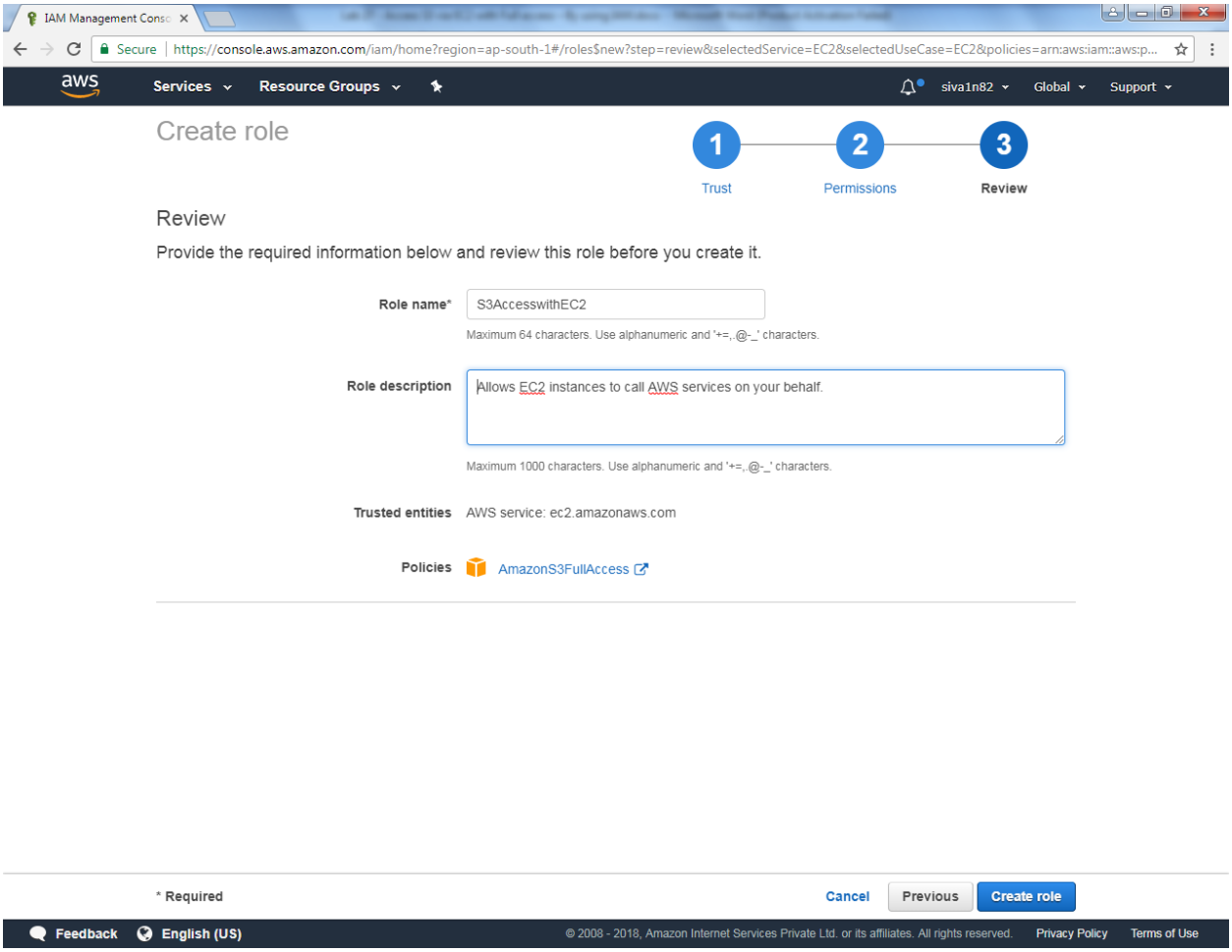
Click “EC2” service.



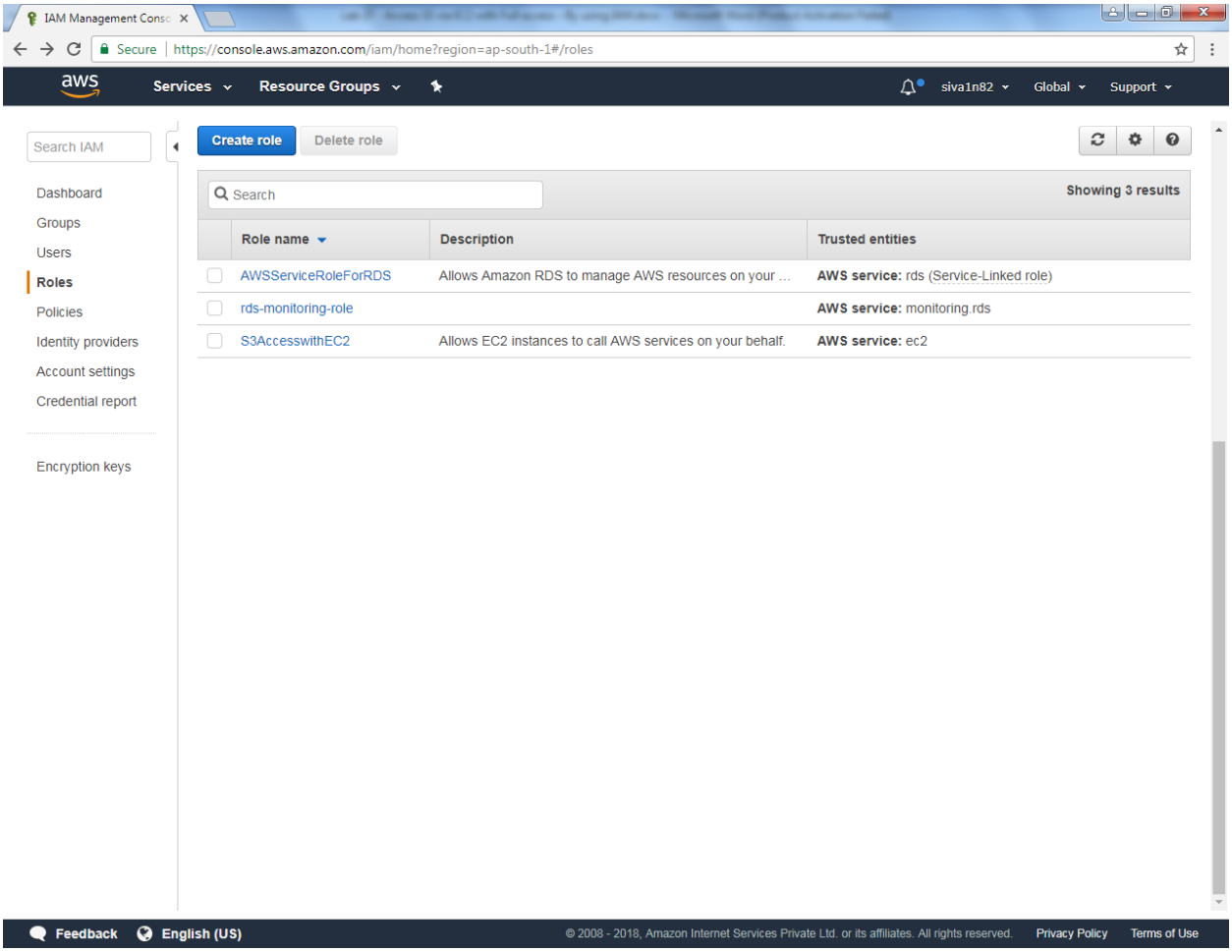
Select **"AmazonS3 Full access"**



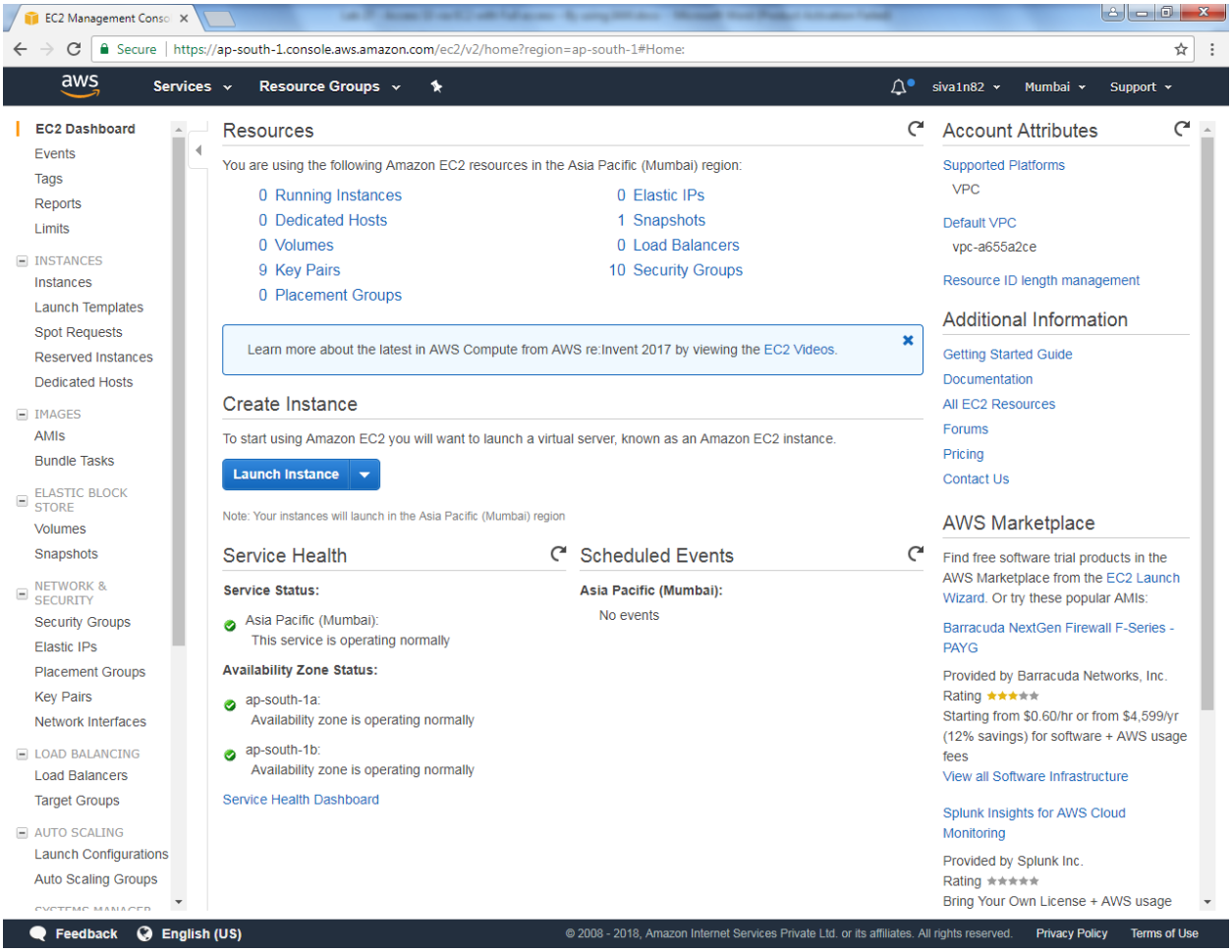
Type role name as “S3AccesswithEC2” and click “Create role”.



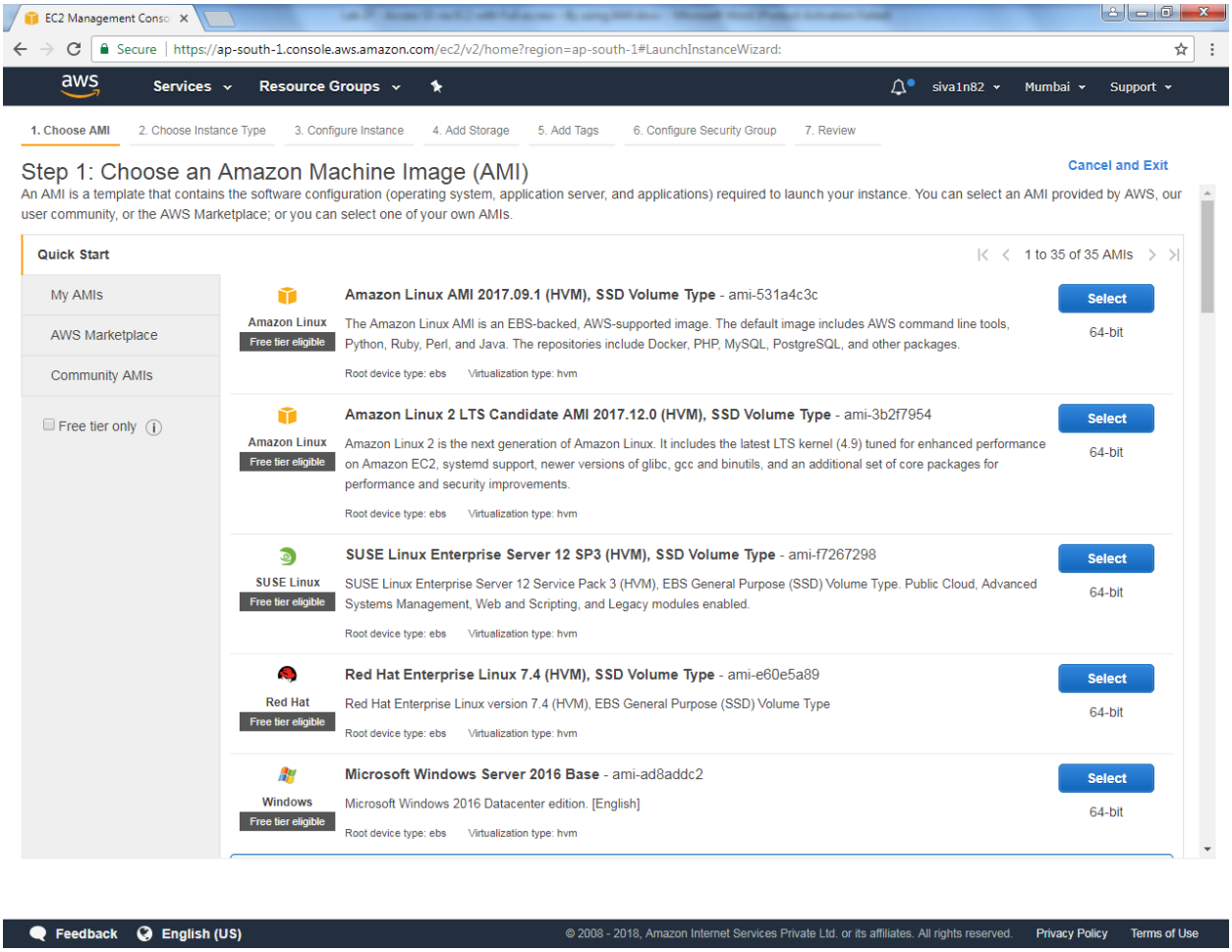
You can able to view the roles as below.



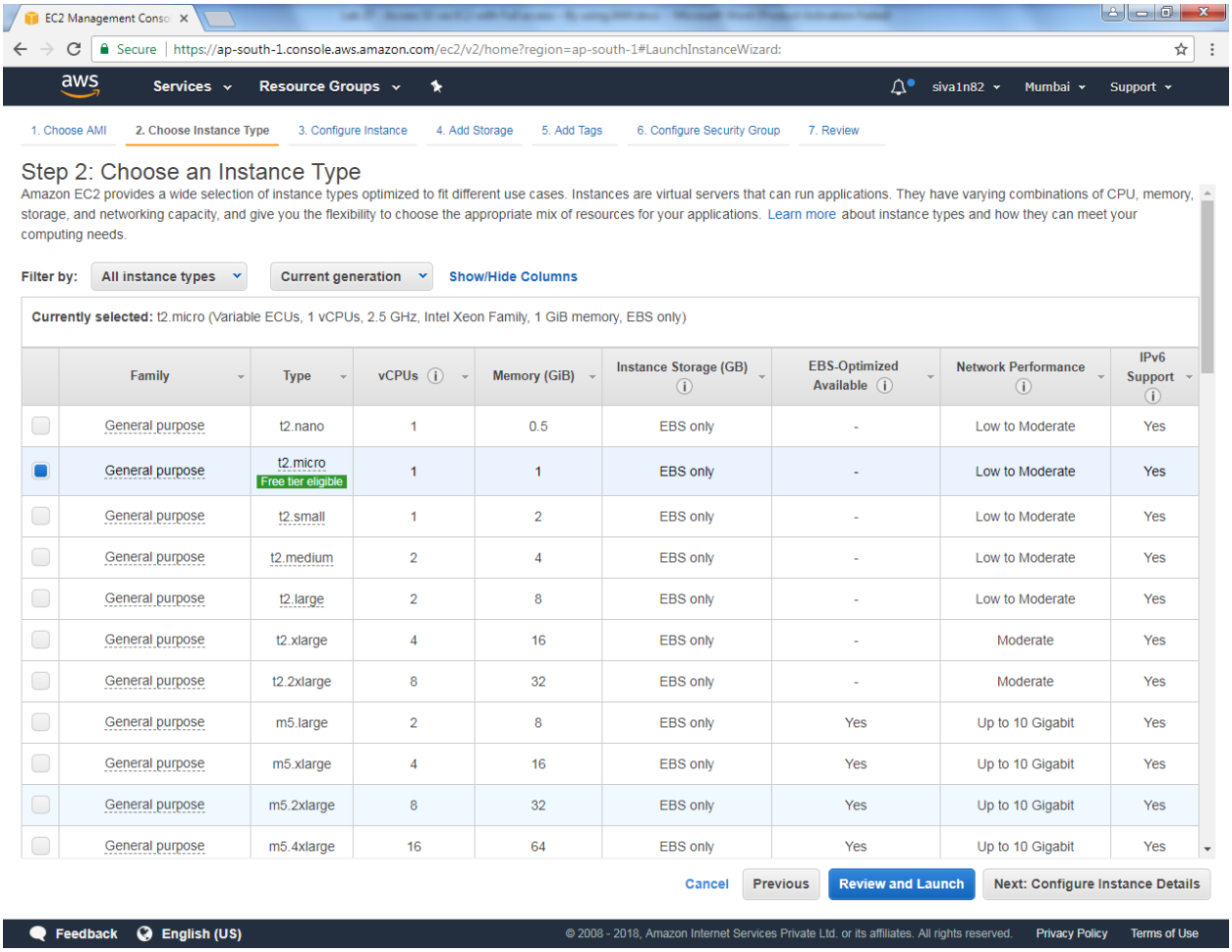
Click “Launch instance”.



Select “Amazon Linux”.

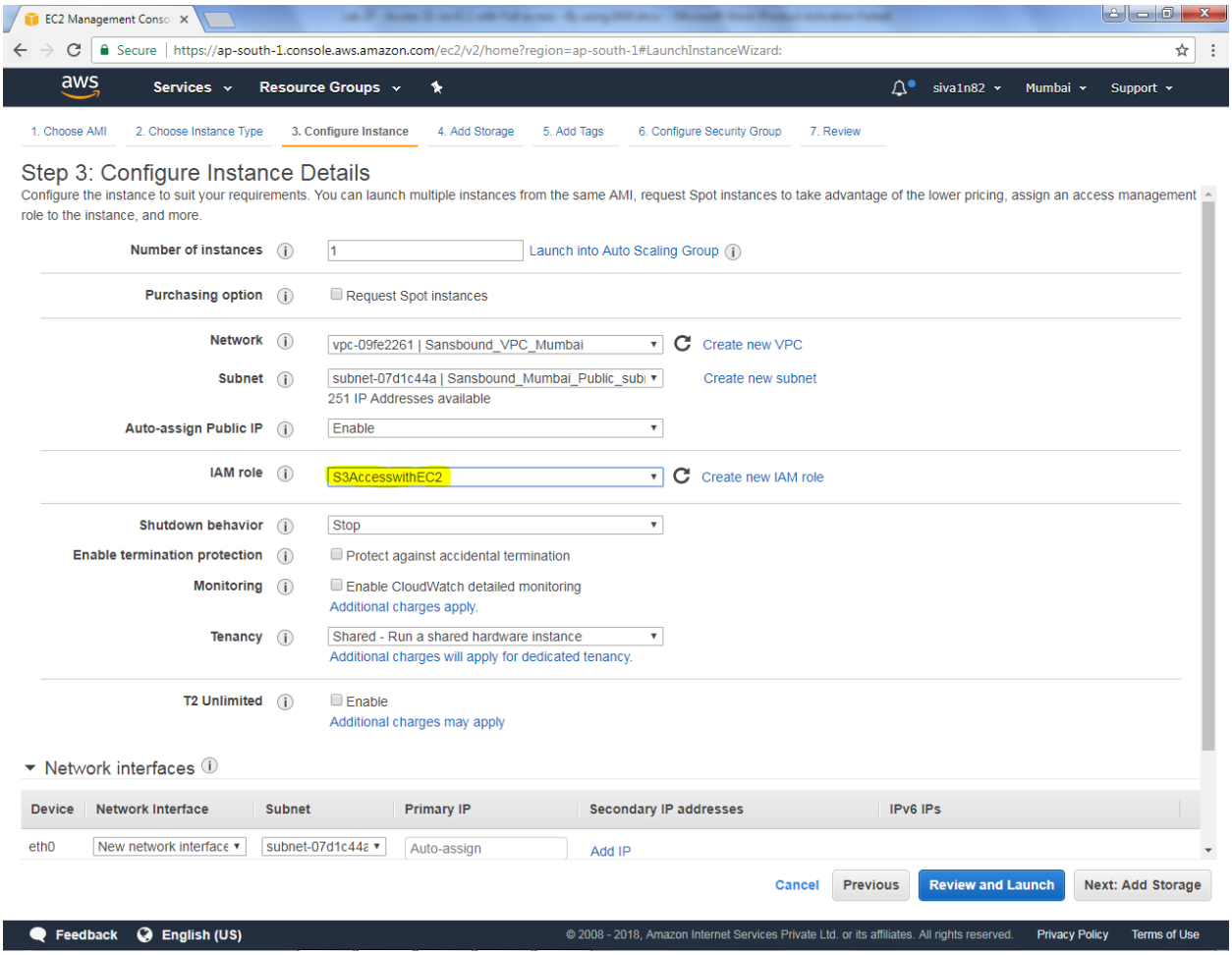


Select “t2.micro”.



Click “Next”.

Select VPC and Subnet, then select IAM role as “S3AccesswithEC2”.


EC2 Management Conso
Secure | https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:
aws
Services
Resource Groups
siva1n82
Mumbai
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 3: Configure Instance Details
Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.
Number of instances
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-09fe2261 | Sansbound_VPC_Mumbai
Create new VPC
Subnet
subnet-07d1c44a | Sansbound_Mumbai_Public_subn
Create new subnet
251 IP Addresses available
Auto-assign Public IP
Enable
IAM role
S3AccesswithEC2
Create new IAM role
Shutdown behavior
Stop
Enable termination protection
Protect against accidental termination
Monitoring
Enable CloudWatch detailed monitoring
Additional charges apply.
Tenancy
Shared - Run a shared hardware instance
Additional charges will apply for dedicated tenancy.
T2 Unlimited
Enable
Additional charges may apply
Network interfaces
Device
Network Interface
Subnet
Primary IP
Secondary IP addresses
IPv6 IPs
eth0
New network interface
subnet-07d1c44a
Auto-assign
Add IP
Cancel
Previous
Review and Launch
Next: Add Storage
Feedback
English (US)
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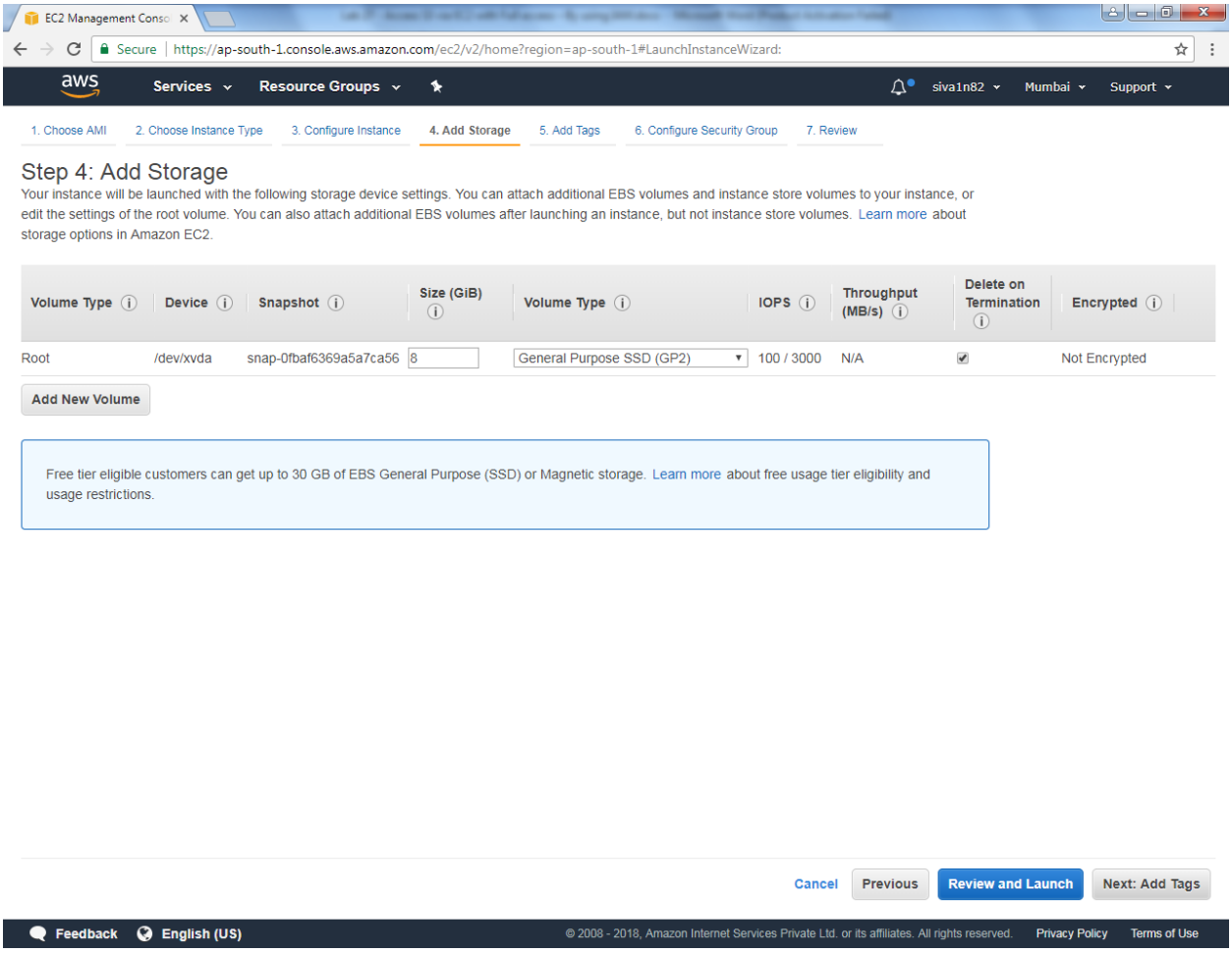
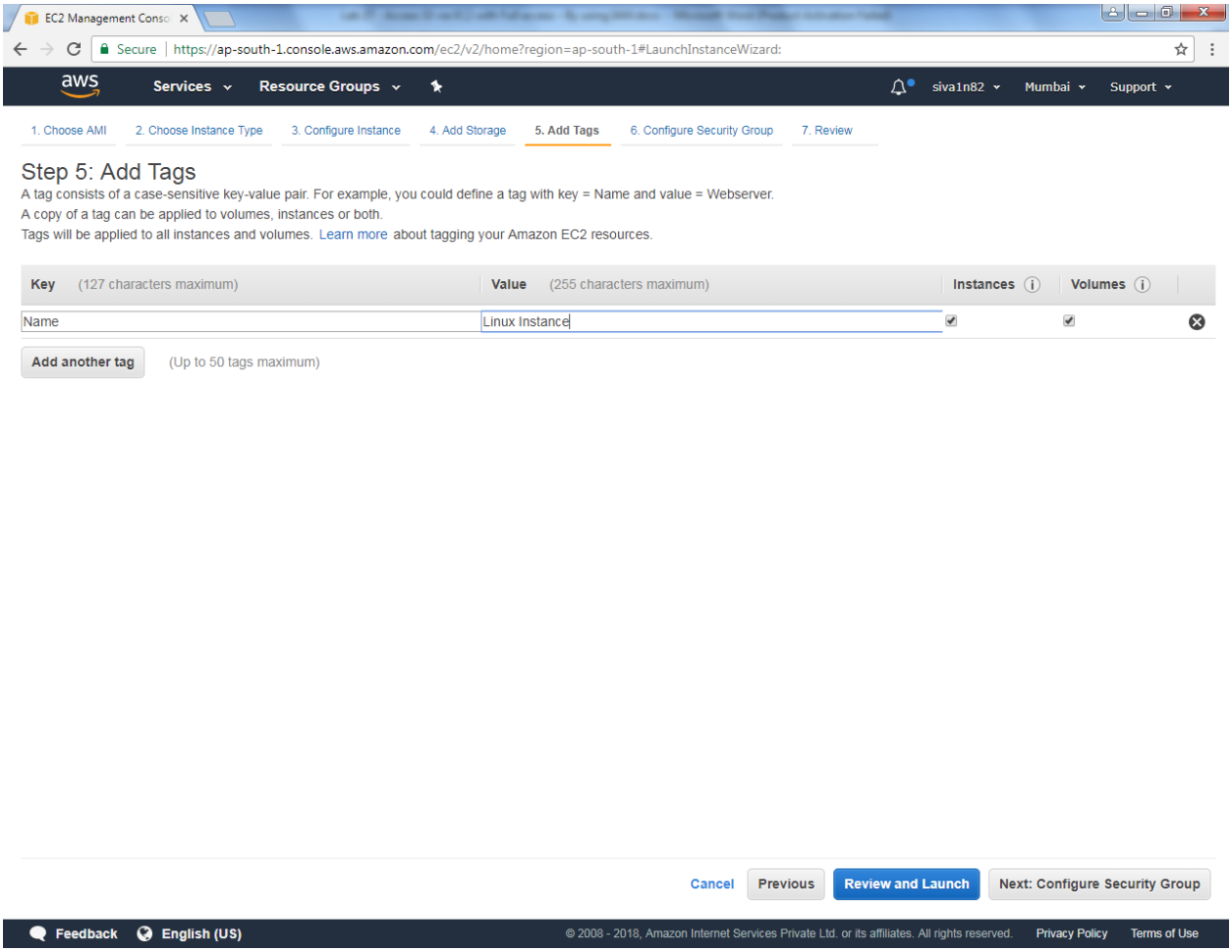
Terms of Use

Click “Next”.

Click “Next”.

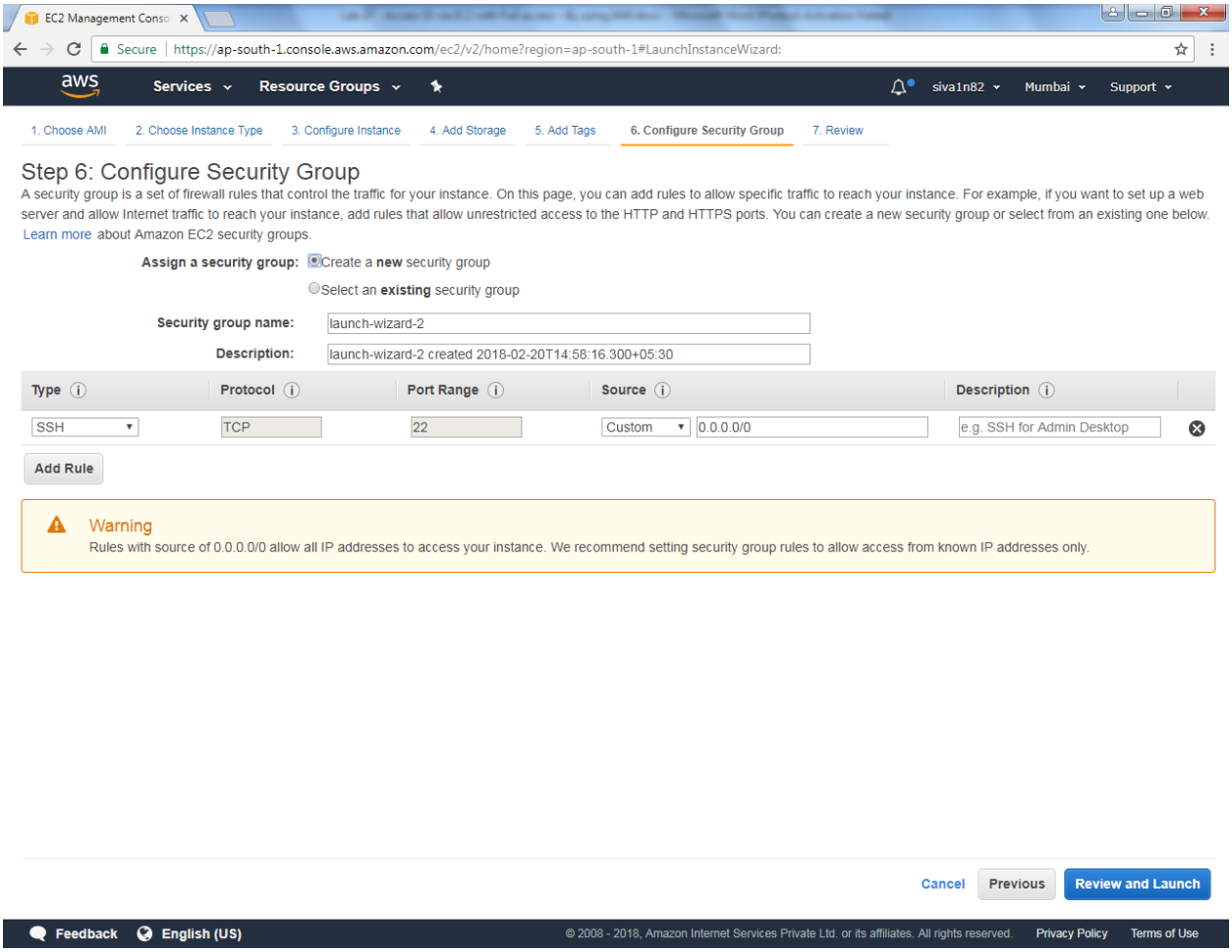


Type Name as Linux Instance.

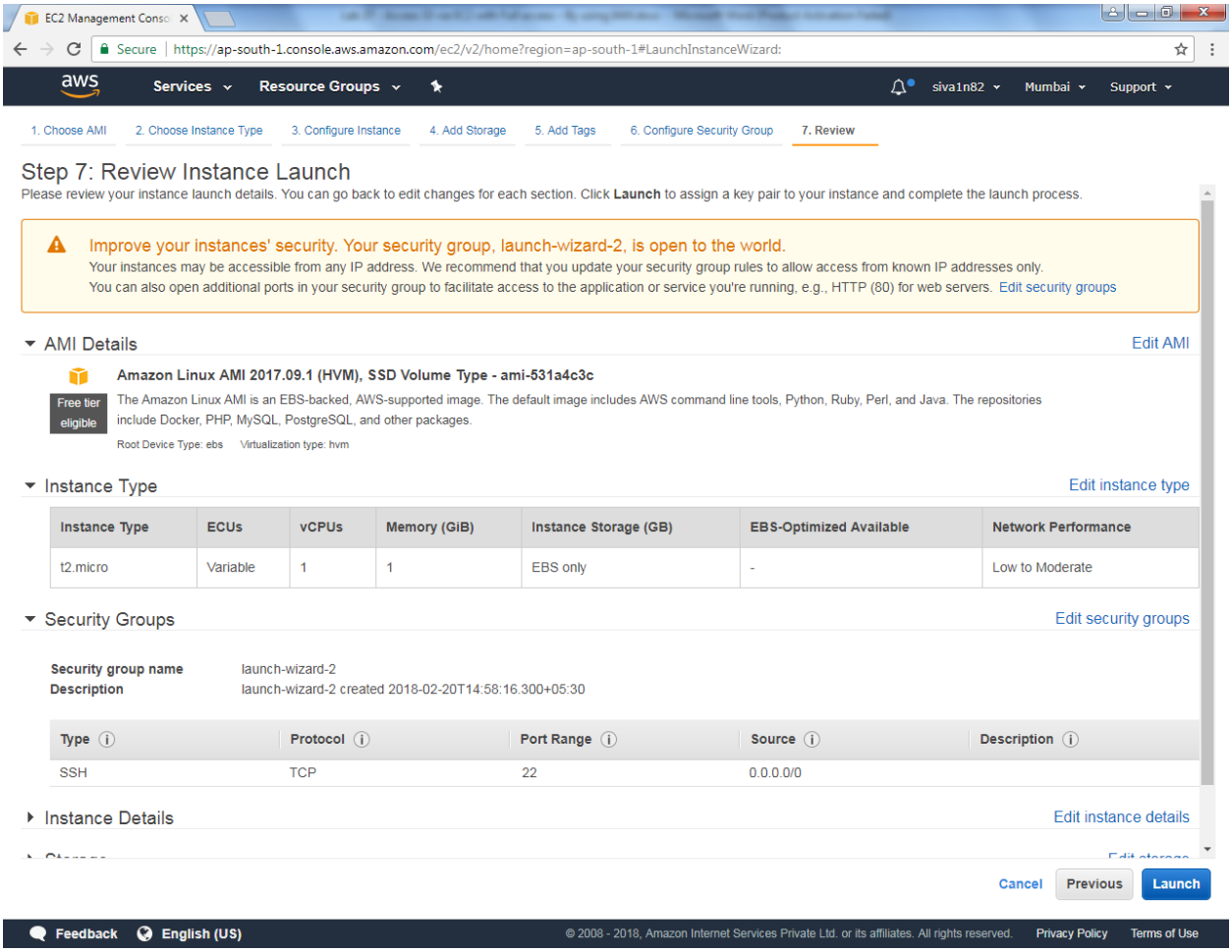


Click “Next”.

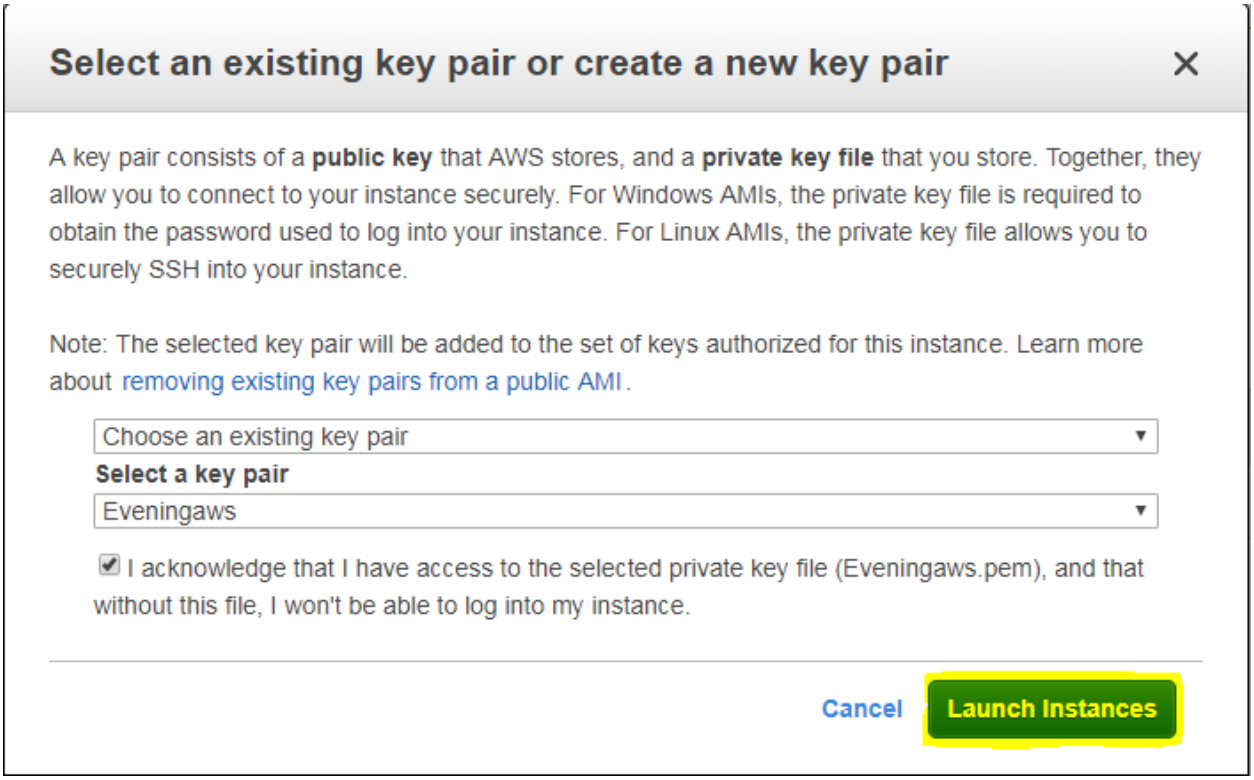
Create a new security group for access ssh port.



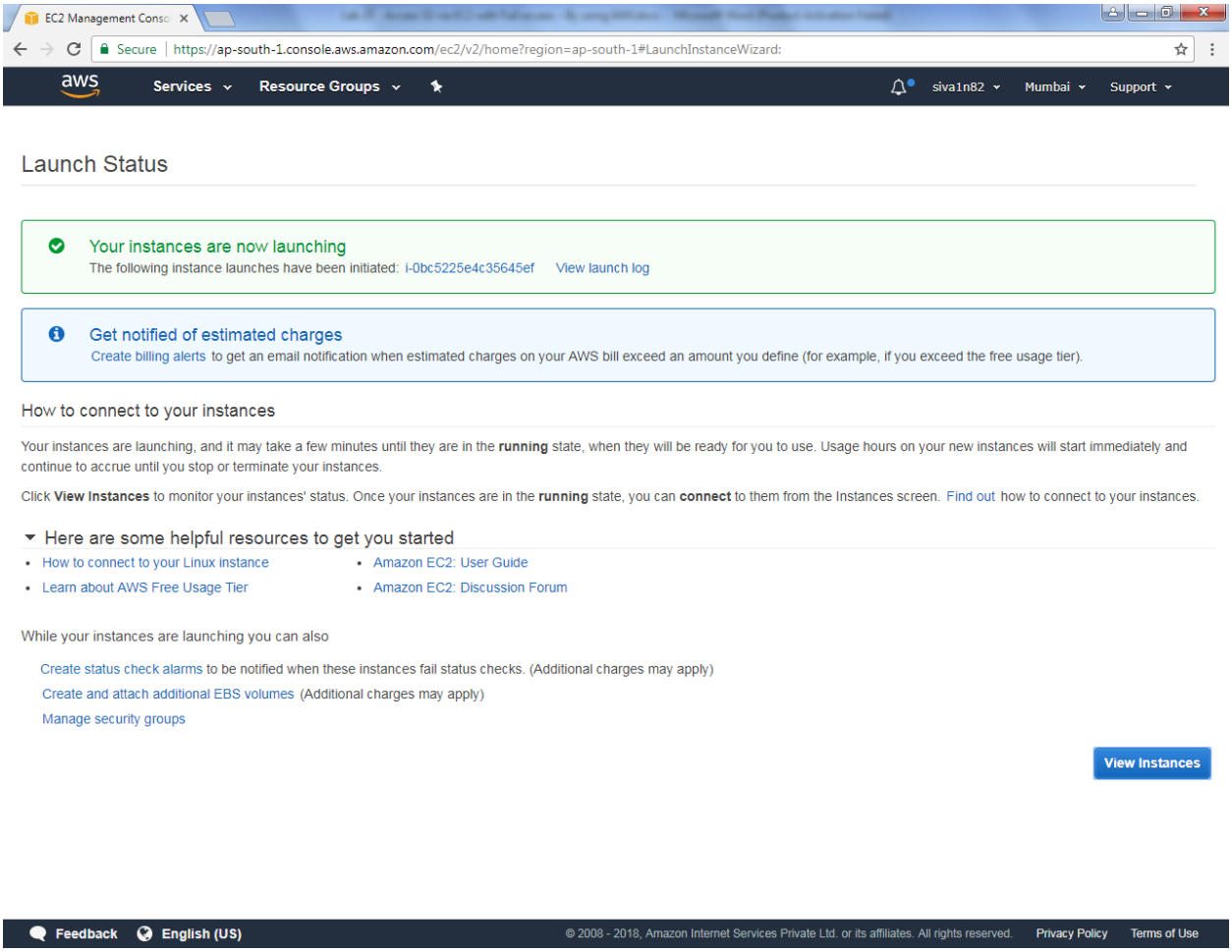
Click “Launch”.



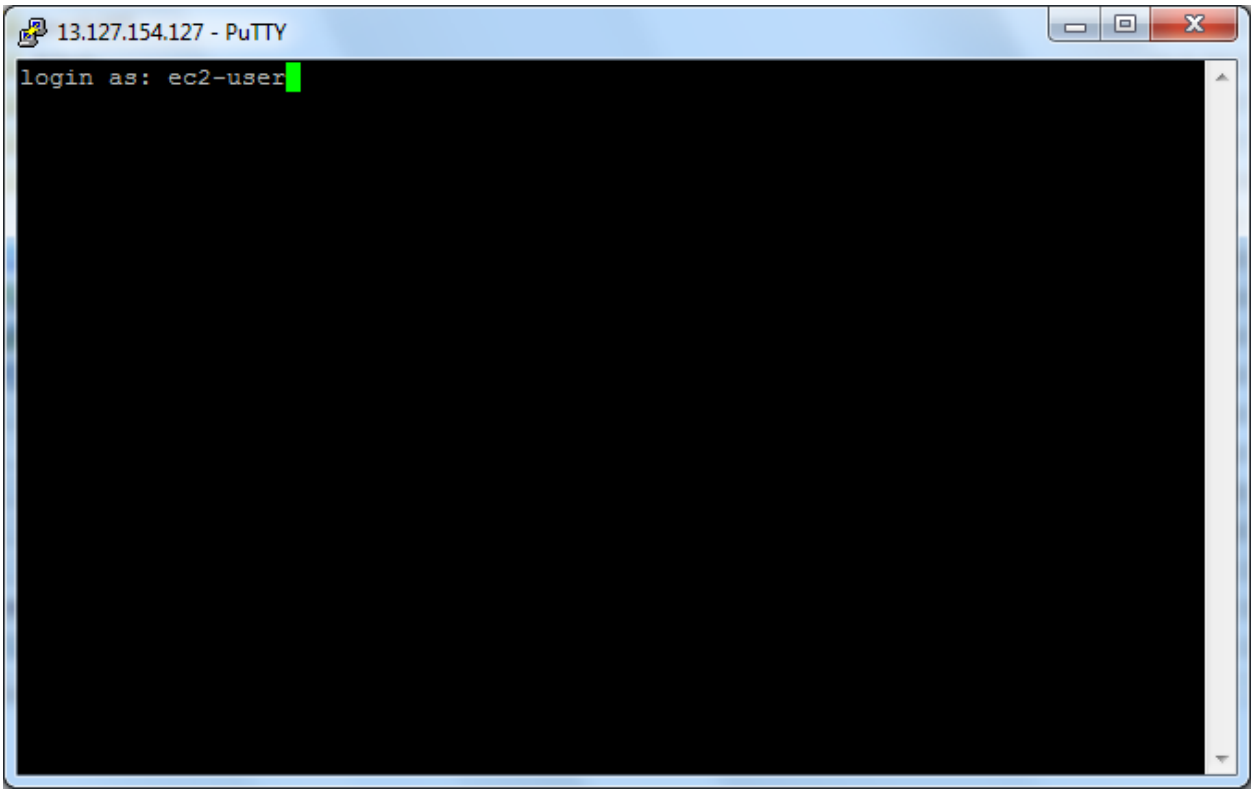
Choose the key and Click Launch instances.



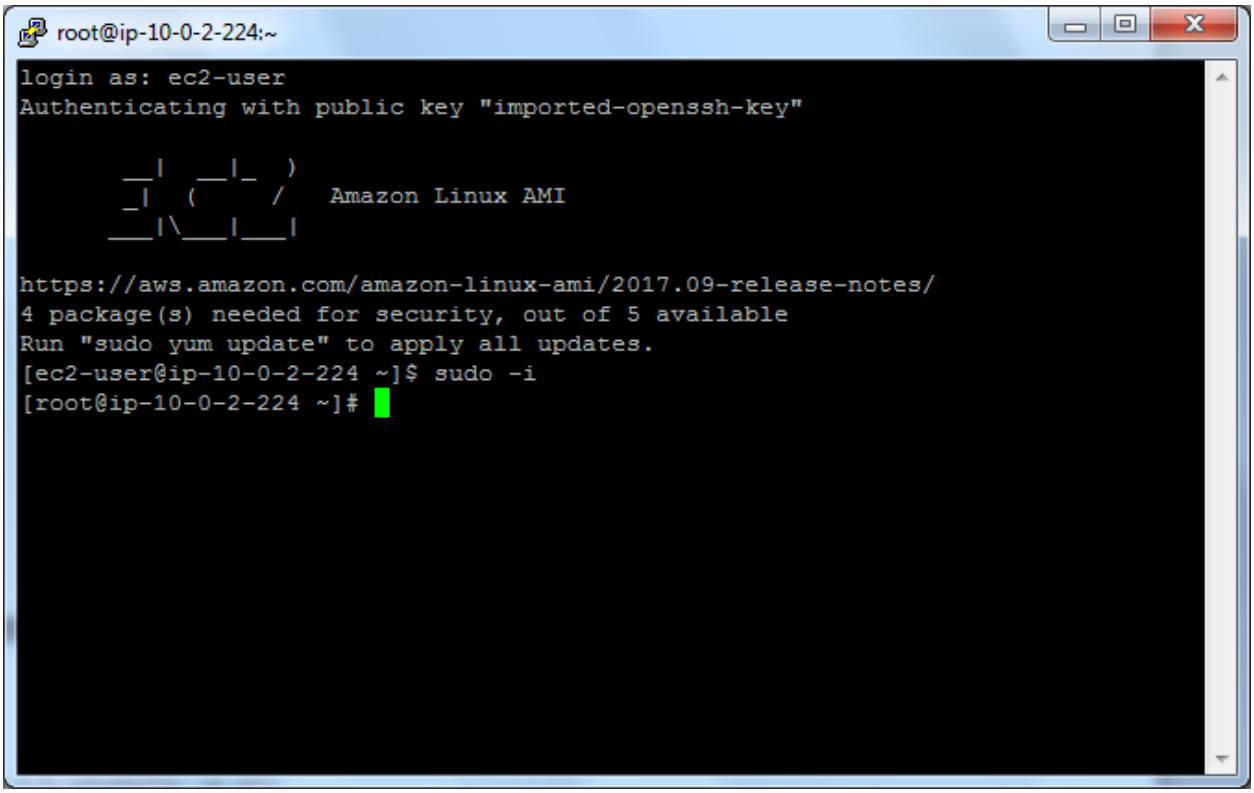
Click “View instances”.



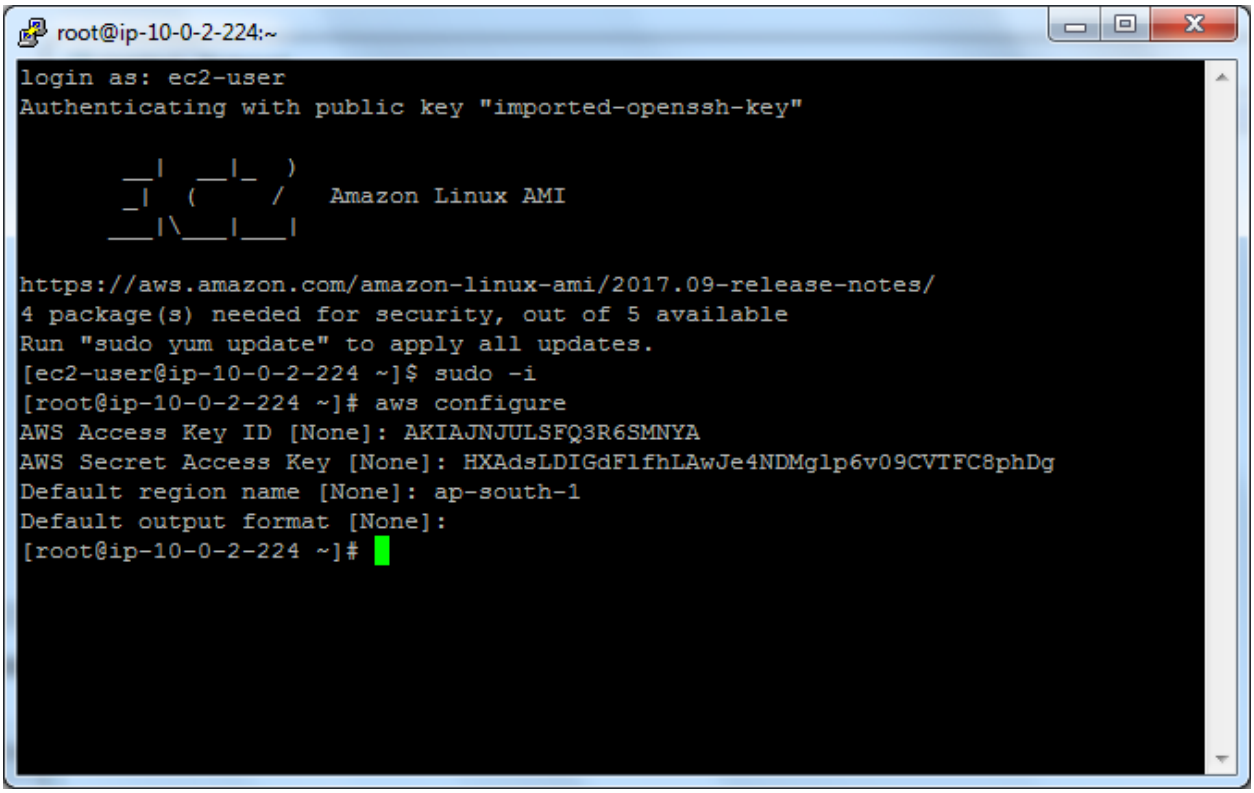
Login to Linux instance by using SSH.



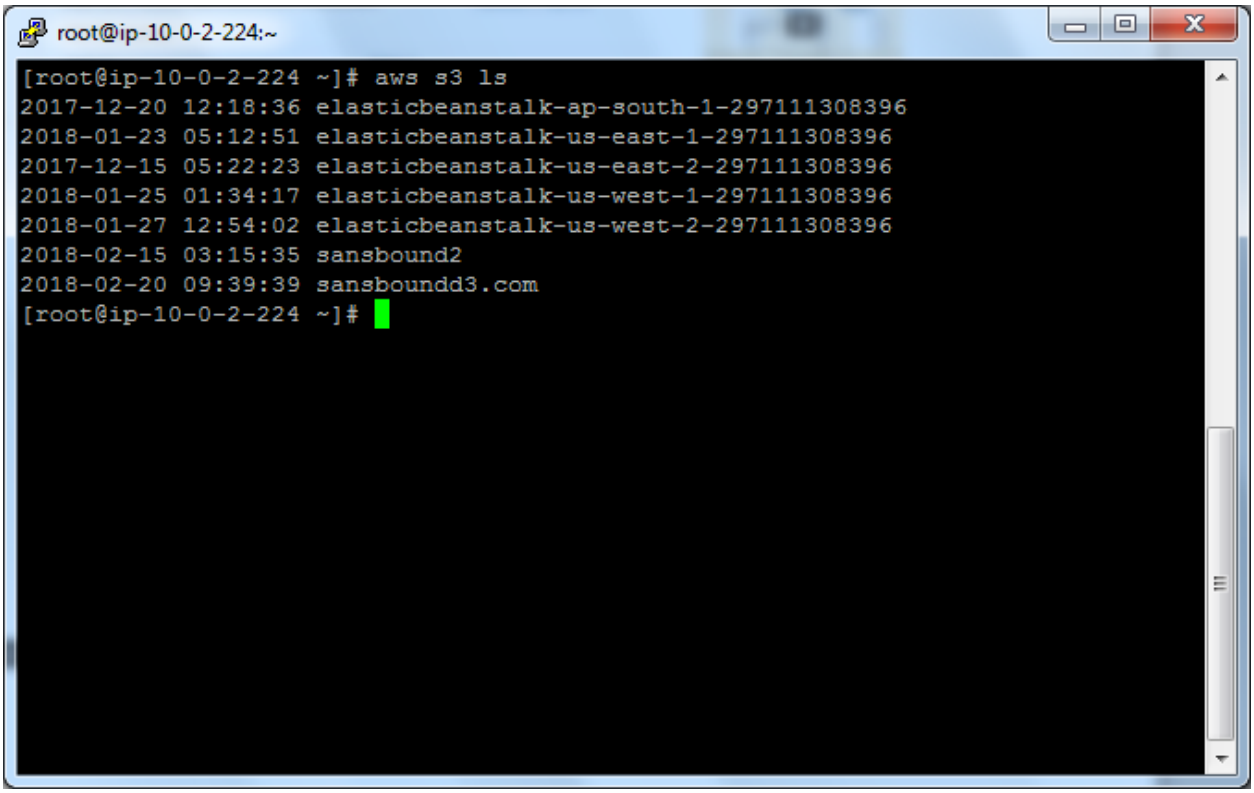
Type sudo -i



Login to aws configure mode by using access key ID and secret access key. You must type the region to configure.

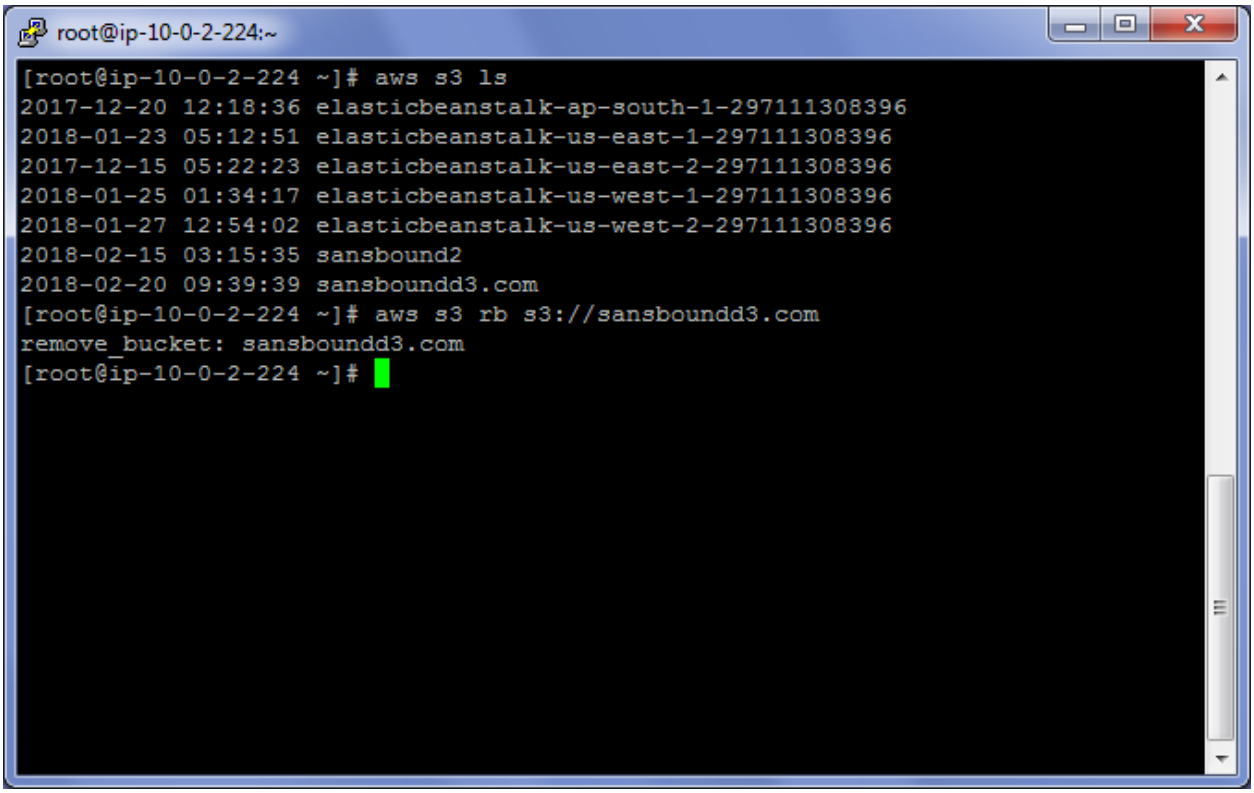


Type aws s3 ls command to list the bucket.



Type aws s3 rb s3://sansboundd3.com

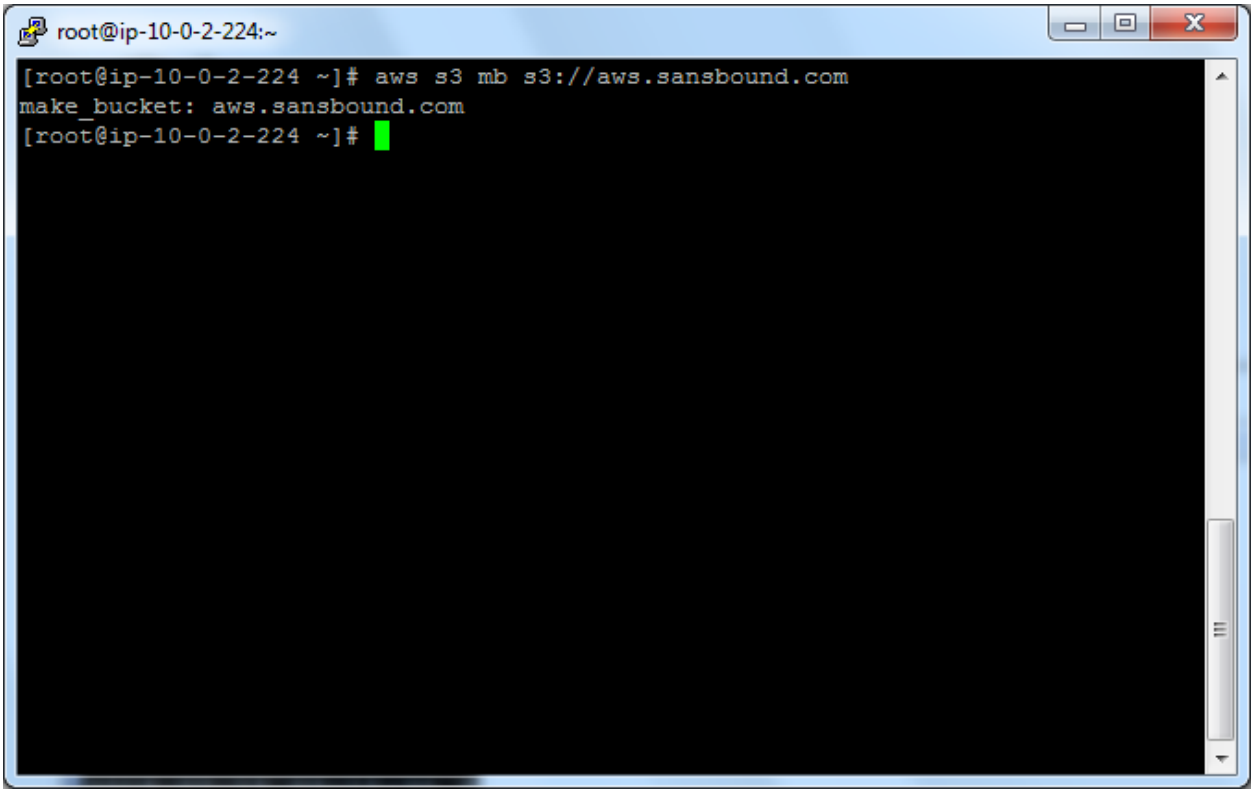
Successfully removed the bucket.



Type

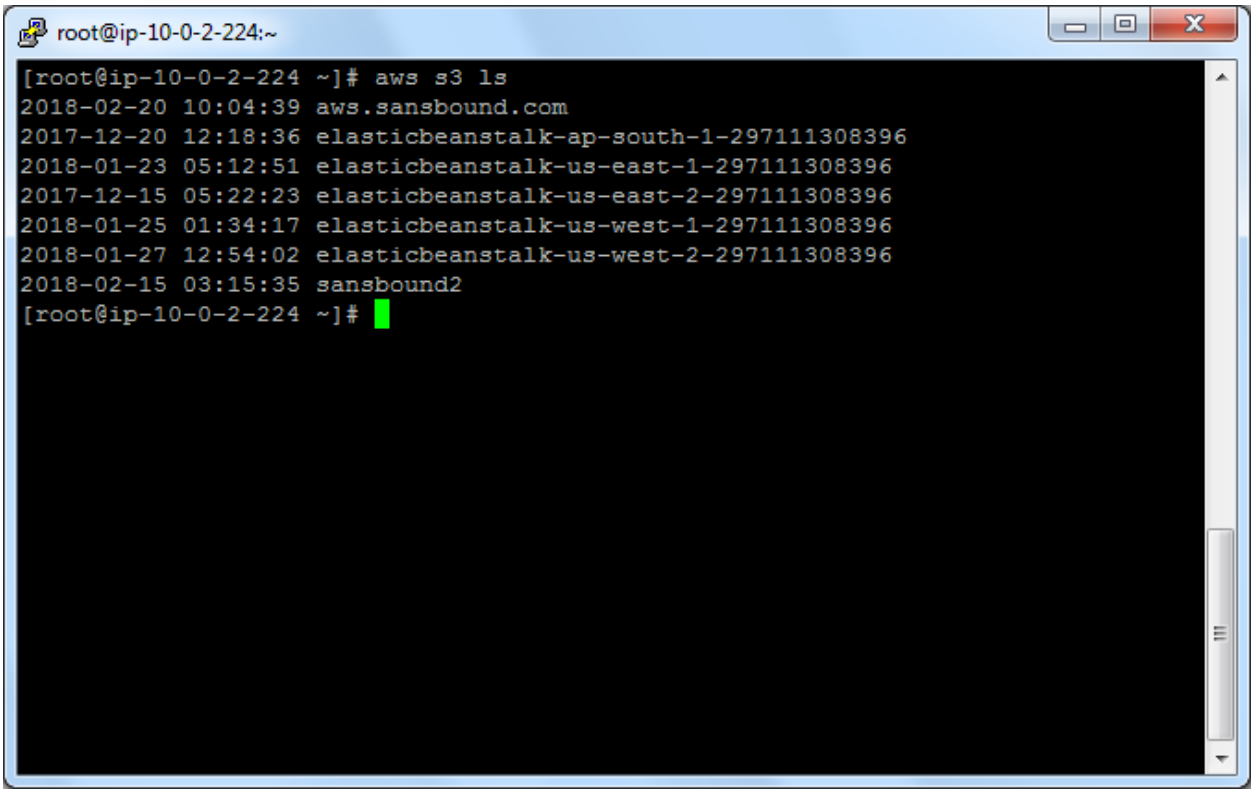
Aws s3 mb s3://aws.sansbound.com

Succesfully created the bucket.



Tyep

Aws s3 ls



Bucket details listed successfully.