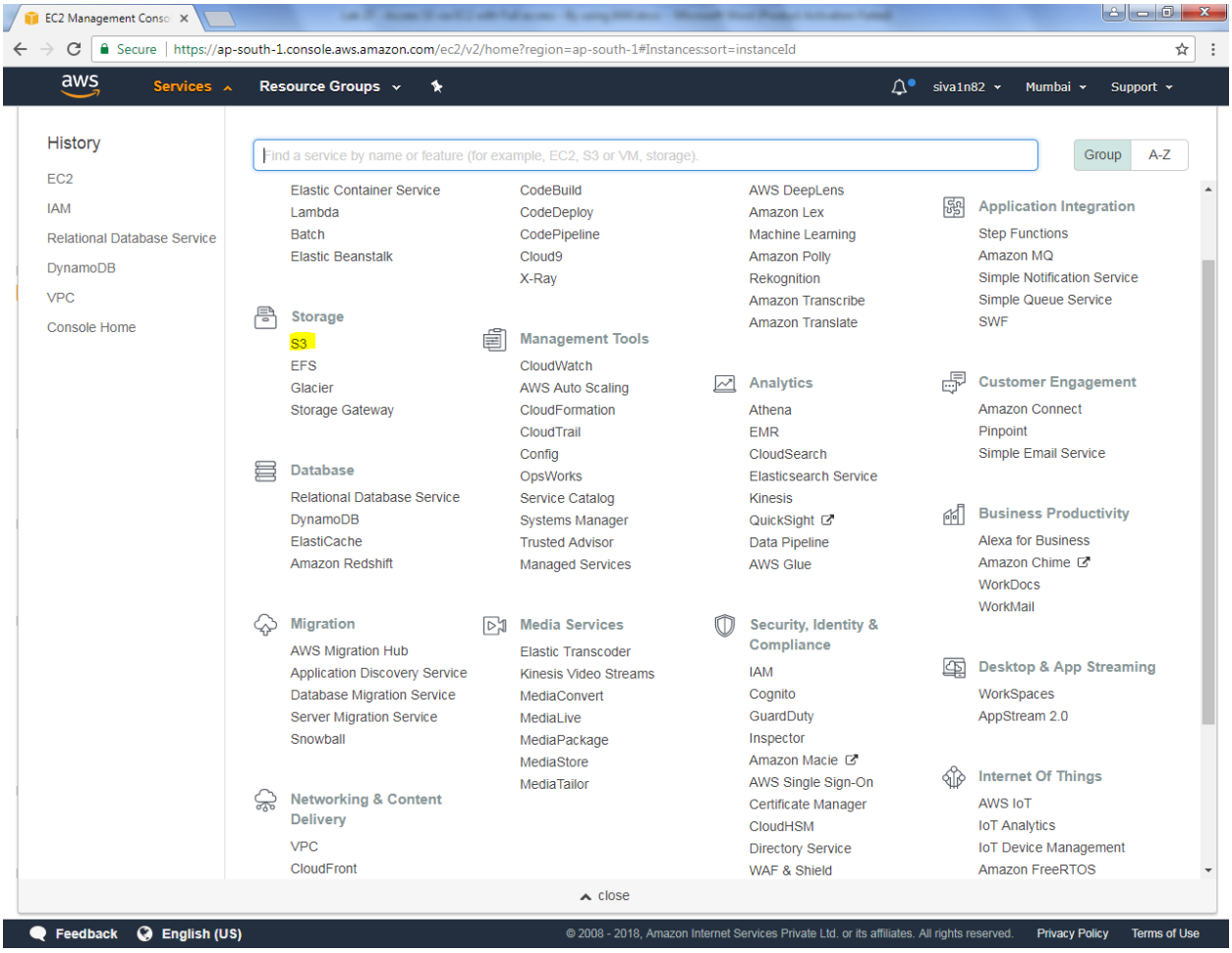
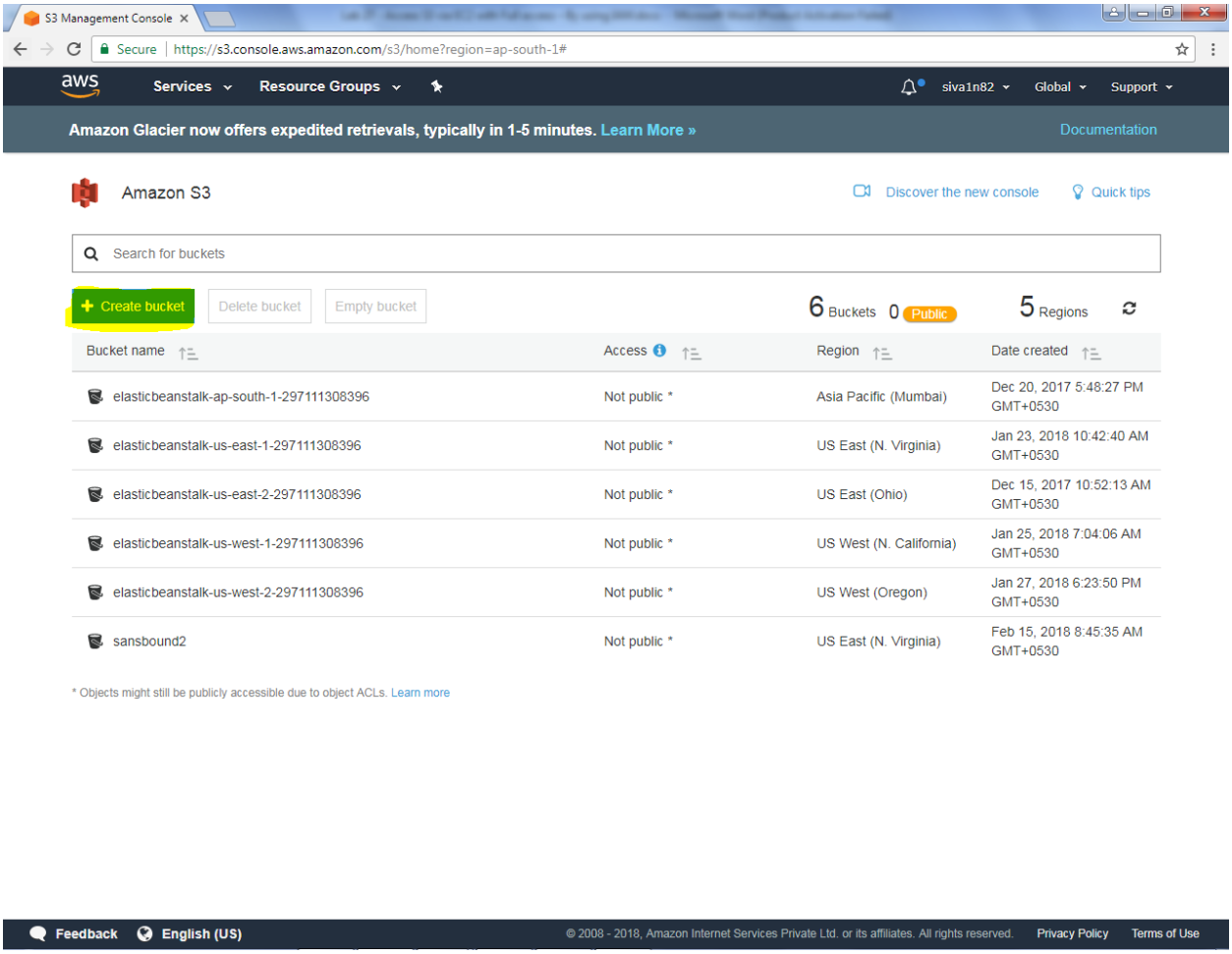
Lab 27

Access S3 via EC2 with Full access – By using IAM

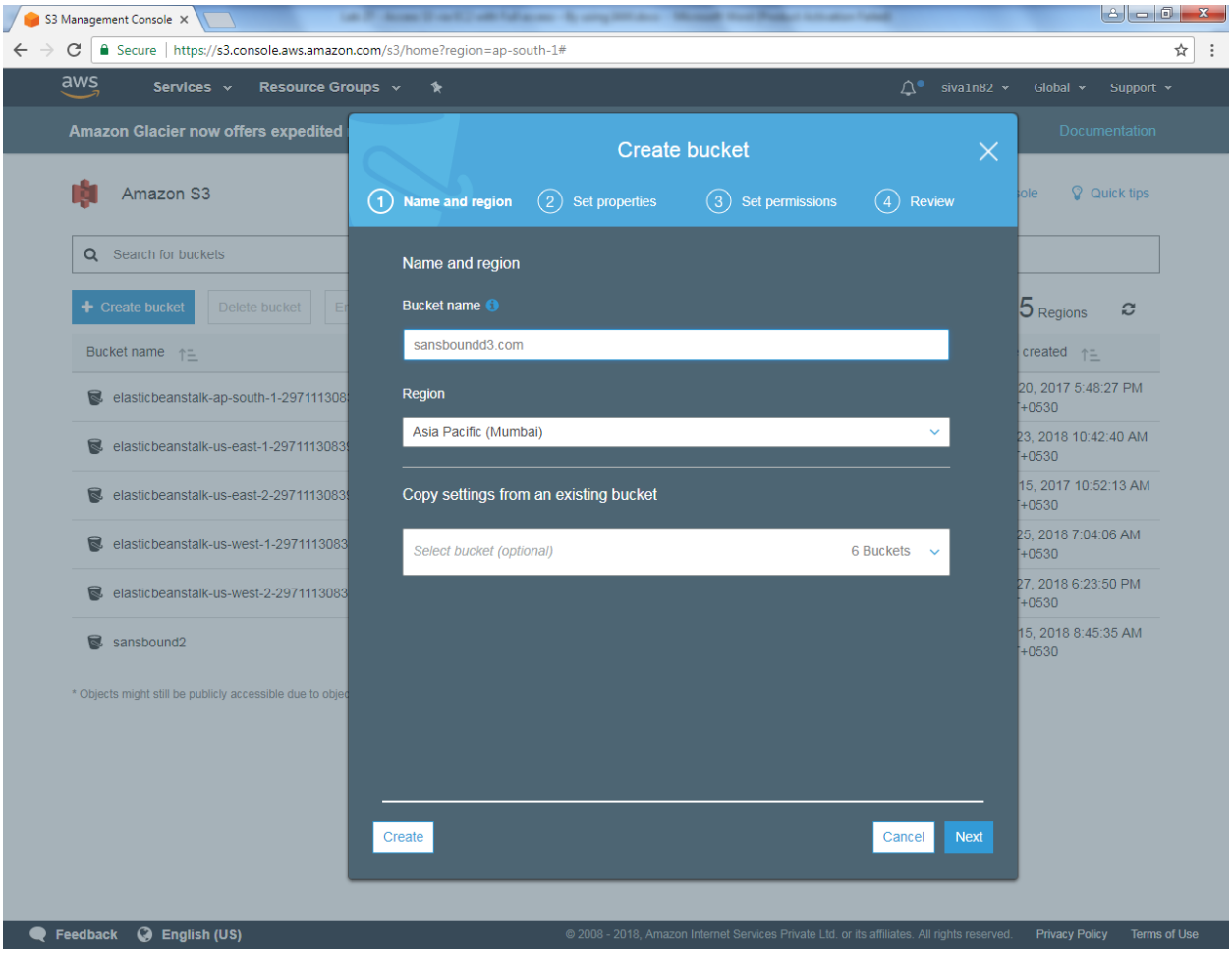
Click “S3” service



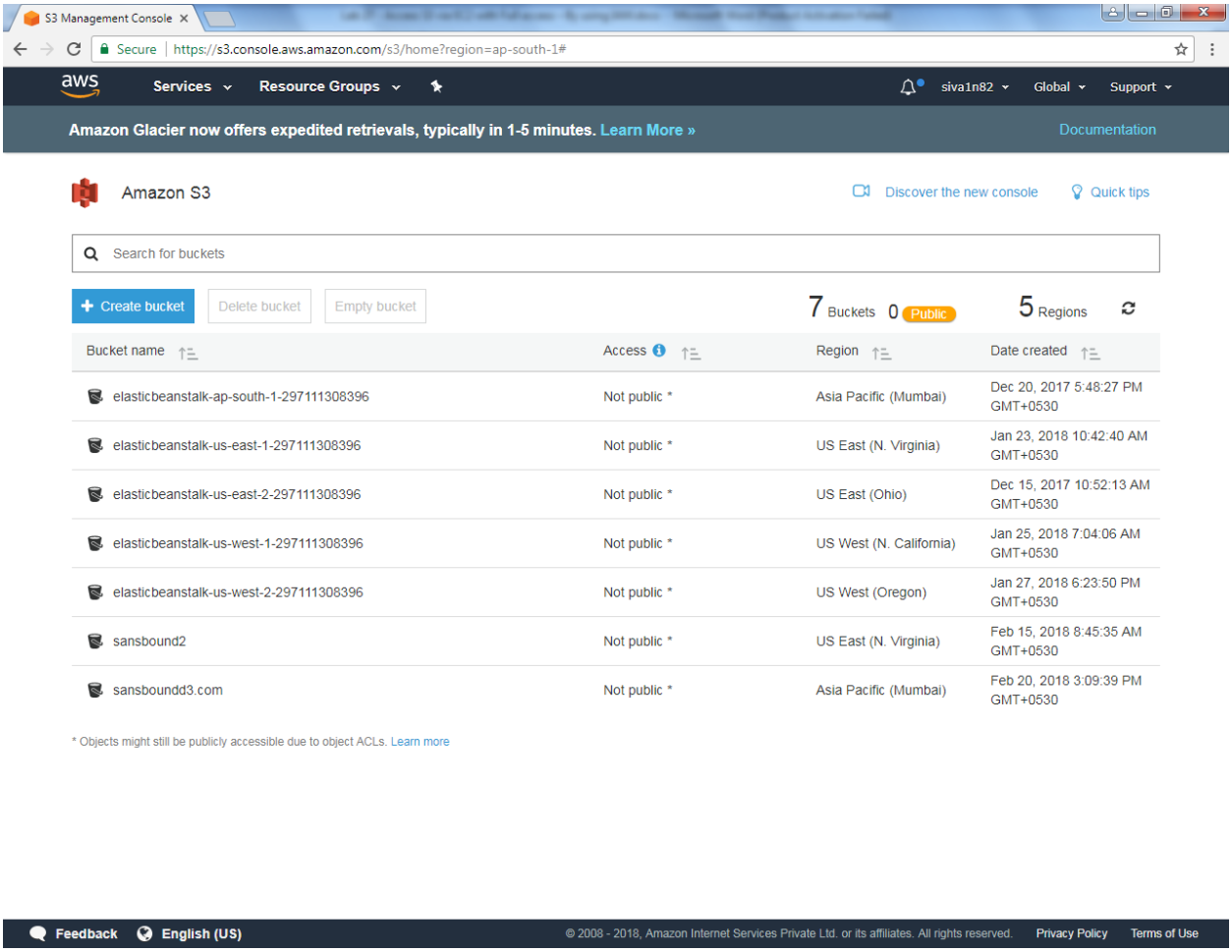
Click “Create bucket”.



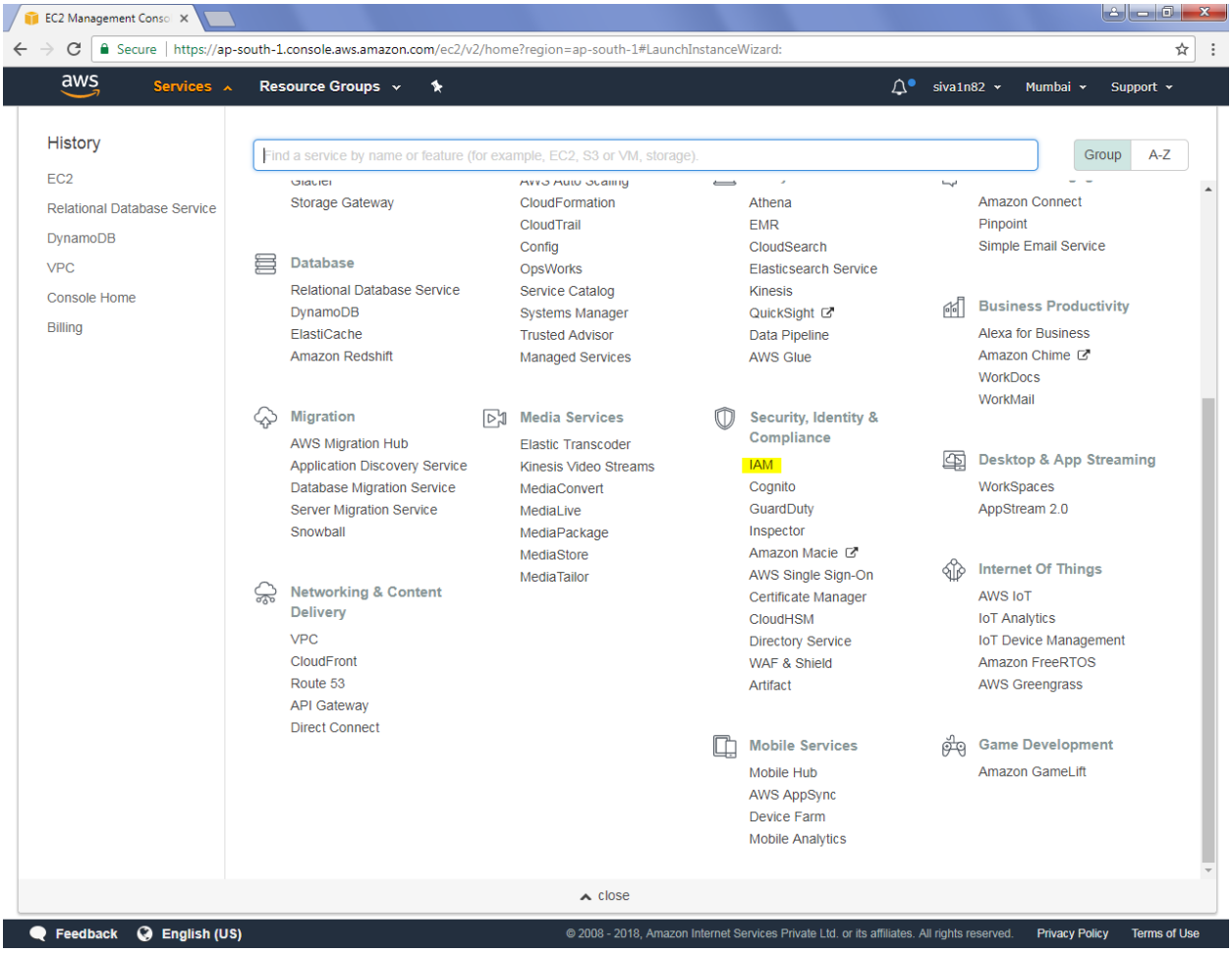
Type sansboundd3.com



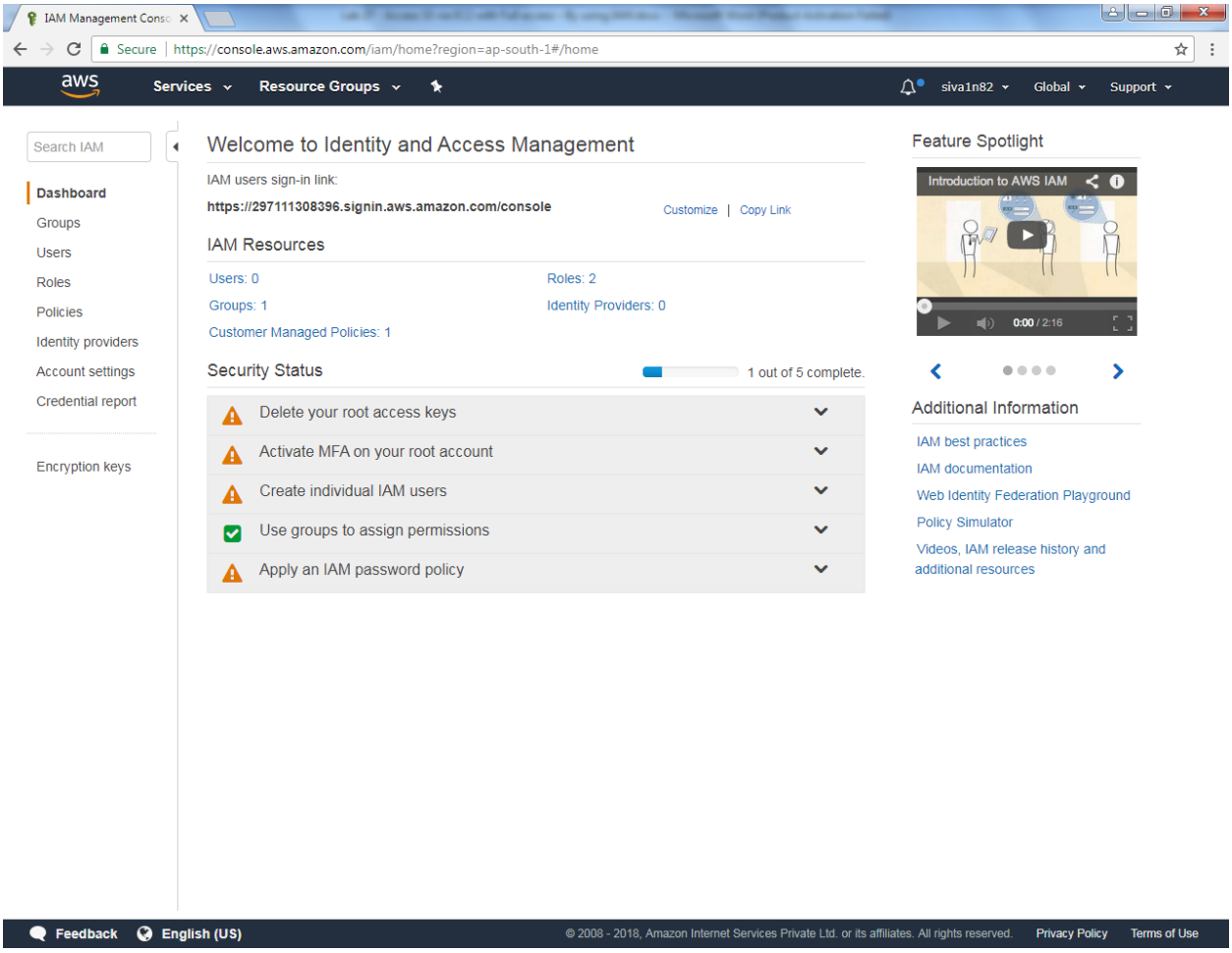
Bucket has been successfully created.



Click “IAM” service



Click “Users”.


IAM Management Cons
Secure | https://console.aws.amazon.com/iam/home?region=ap-south-1#/home
aws
Services
Resource Groups
siva1n82
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Welcome to Identity and Access Management
IAM users sign-in link:
https://297111308396.signin.aws.amazon.com/console
Customize | Copy Link
IAM Resources
Users: 0
Roles: 2
Groups: 1
Identity Providers: 0
Customer Managed Policies: 1
Security Status
1 out of 5 complete.
Delete your root access keys
Activate MFA on your root account
Create individual IAM users
Use groups to assign permissions
Apply an IAM password policy
Feature Spotlight
Introduction to AWS IAM
0:00 / 2:16
Additional Information
IAM best practices
IAM documentation
Web Identity Federation Playground
Policy Simulator
Videos, IAM release history and additional resources
Feedback
English (US)
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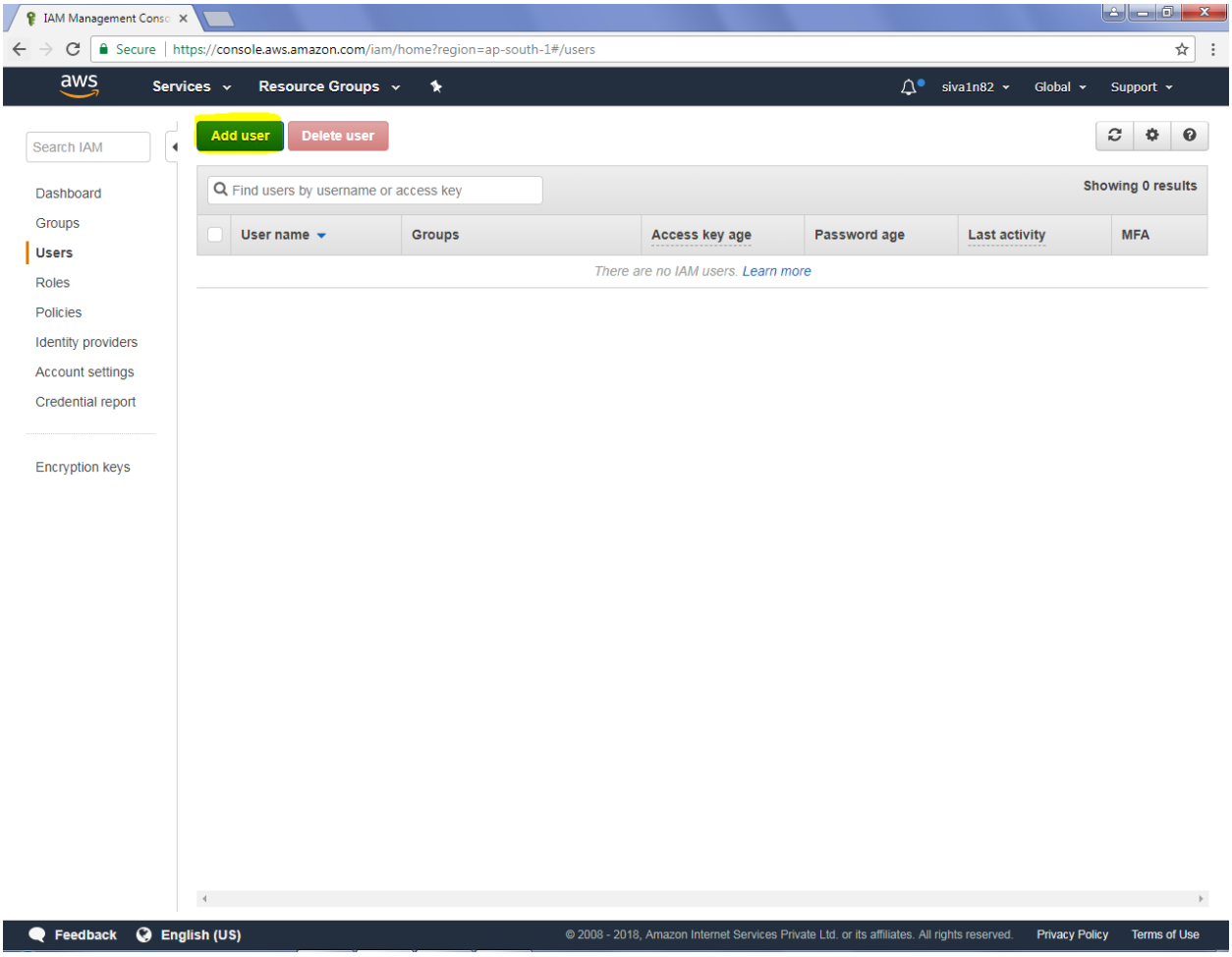
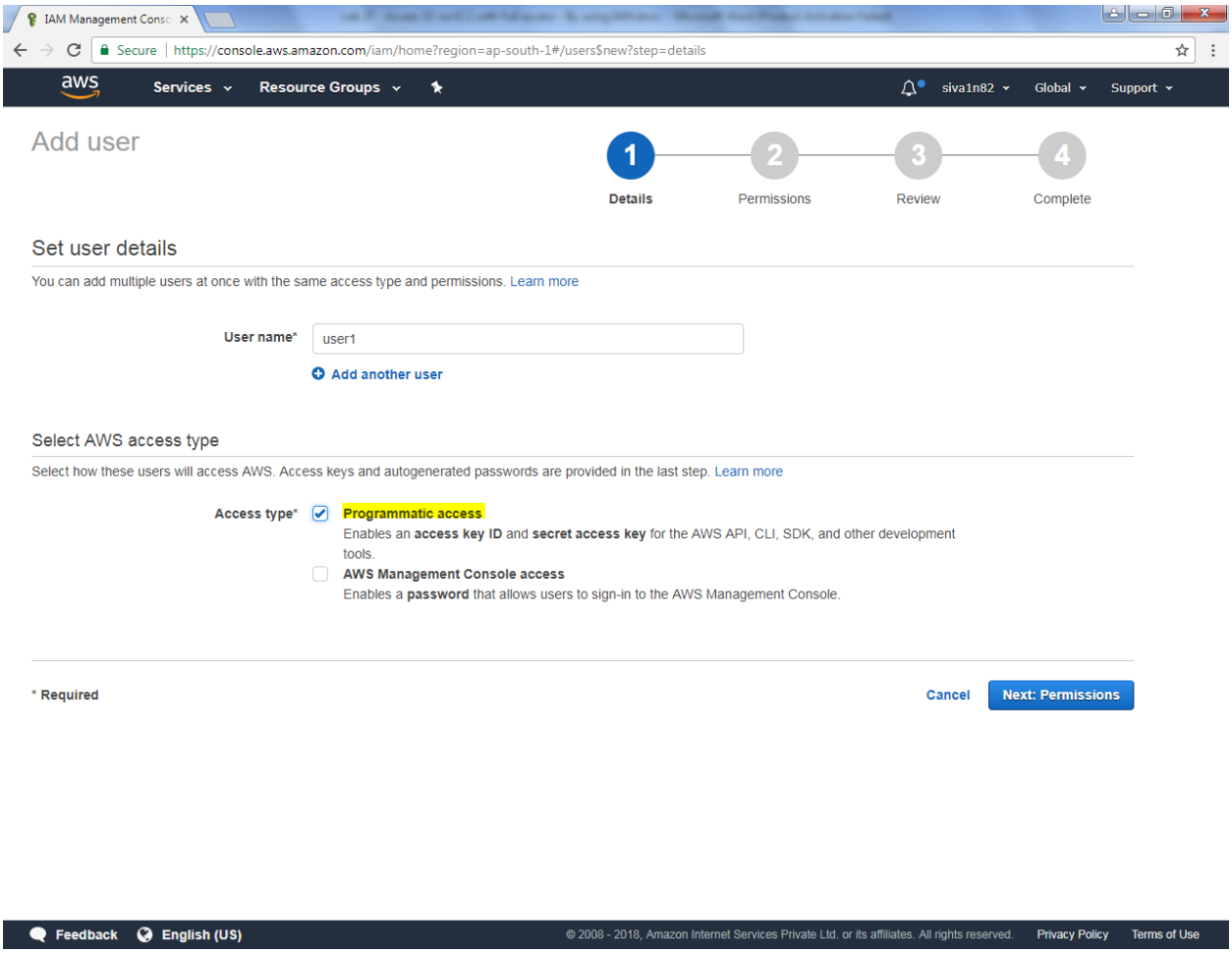
Click “Add user”.

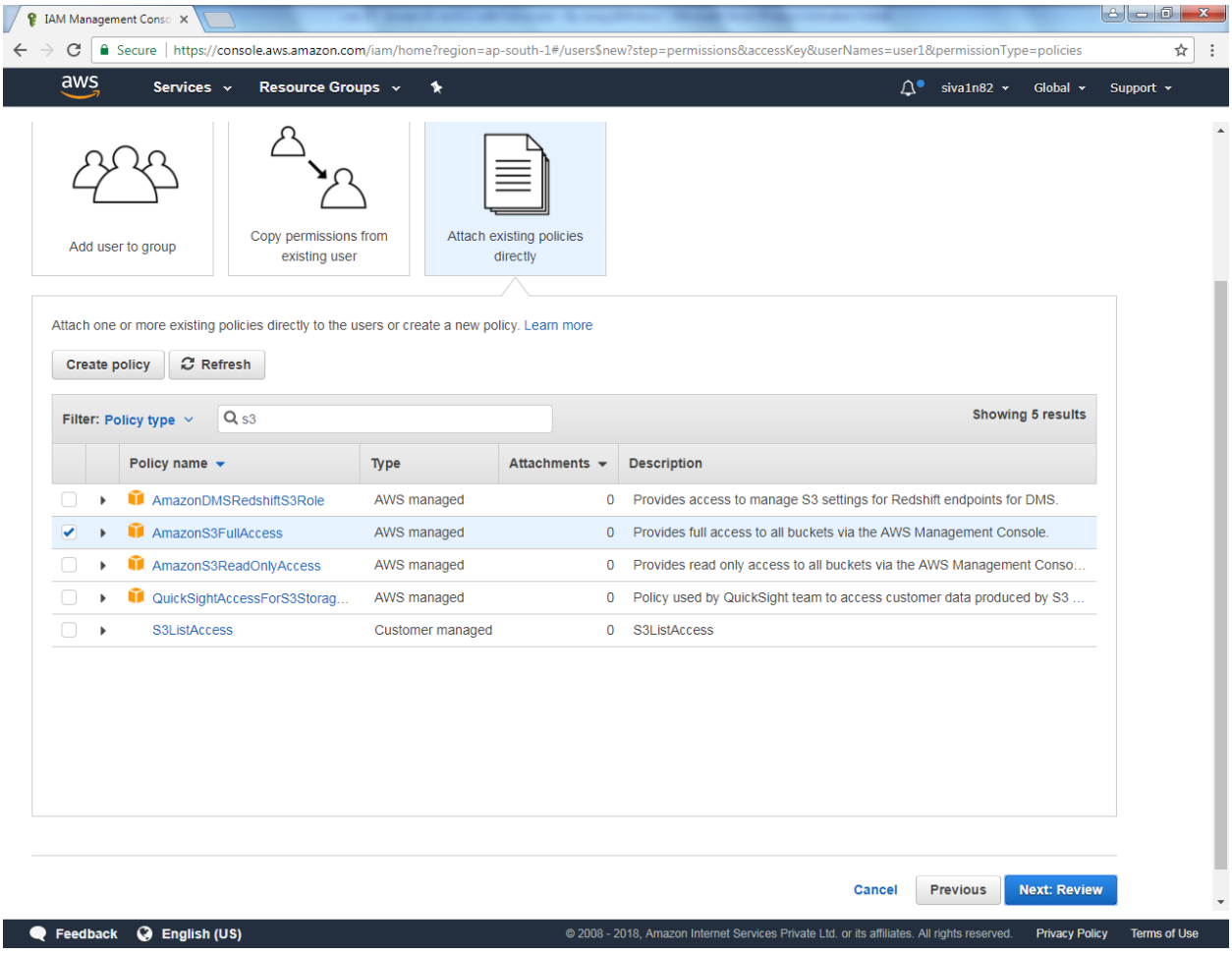


Type user name and select the access type as programmatic access.



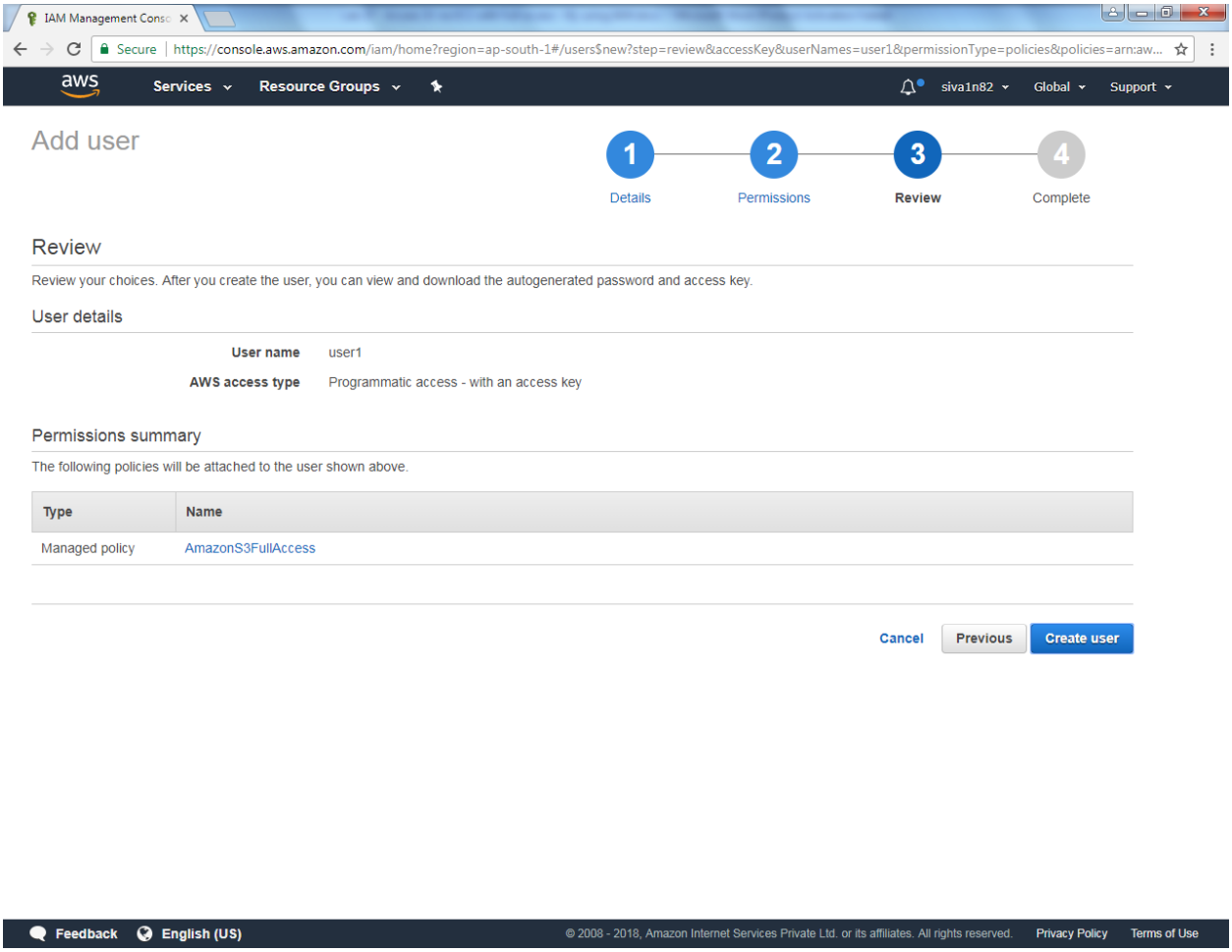
Click “Next”.

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

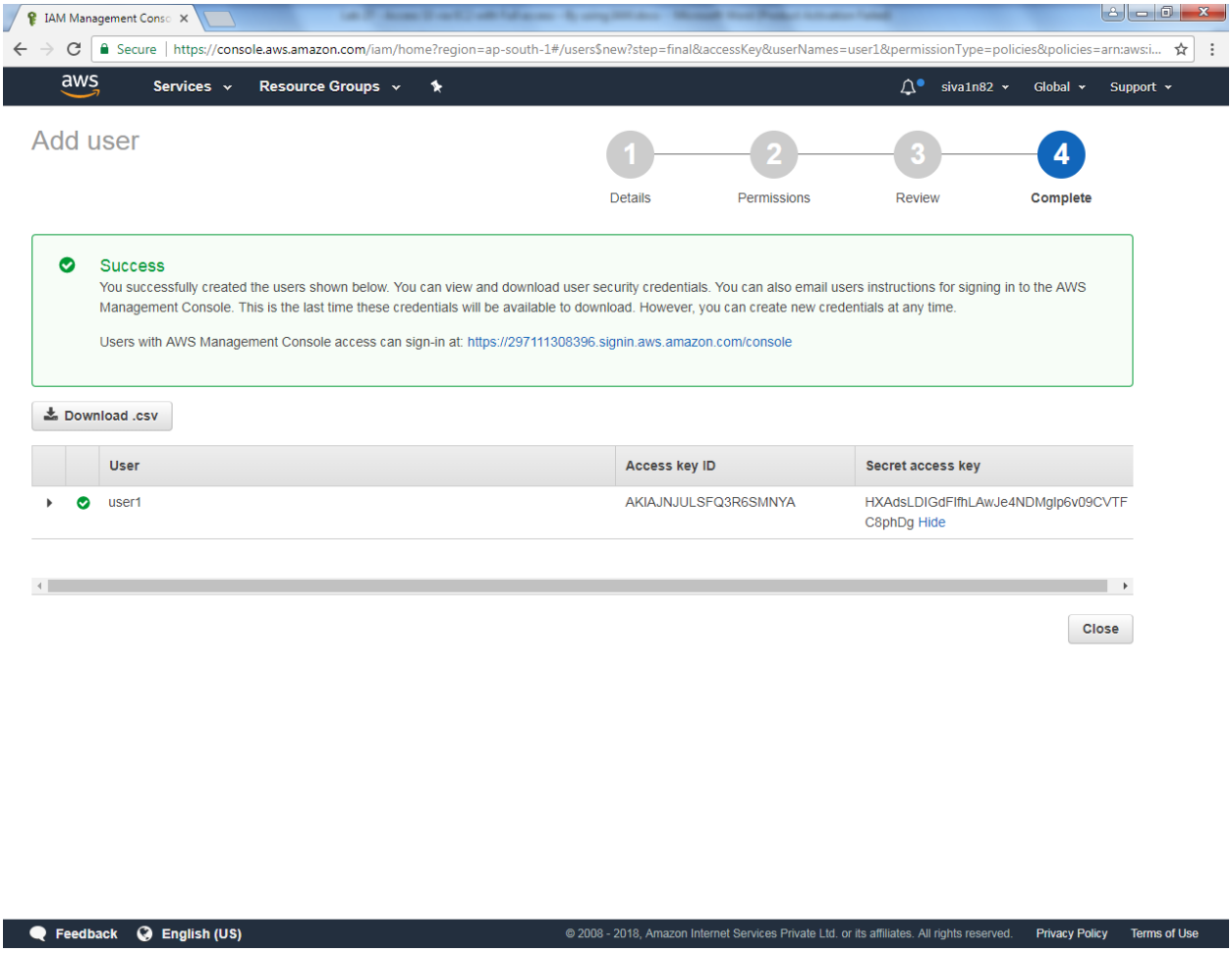


Click “Next”.

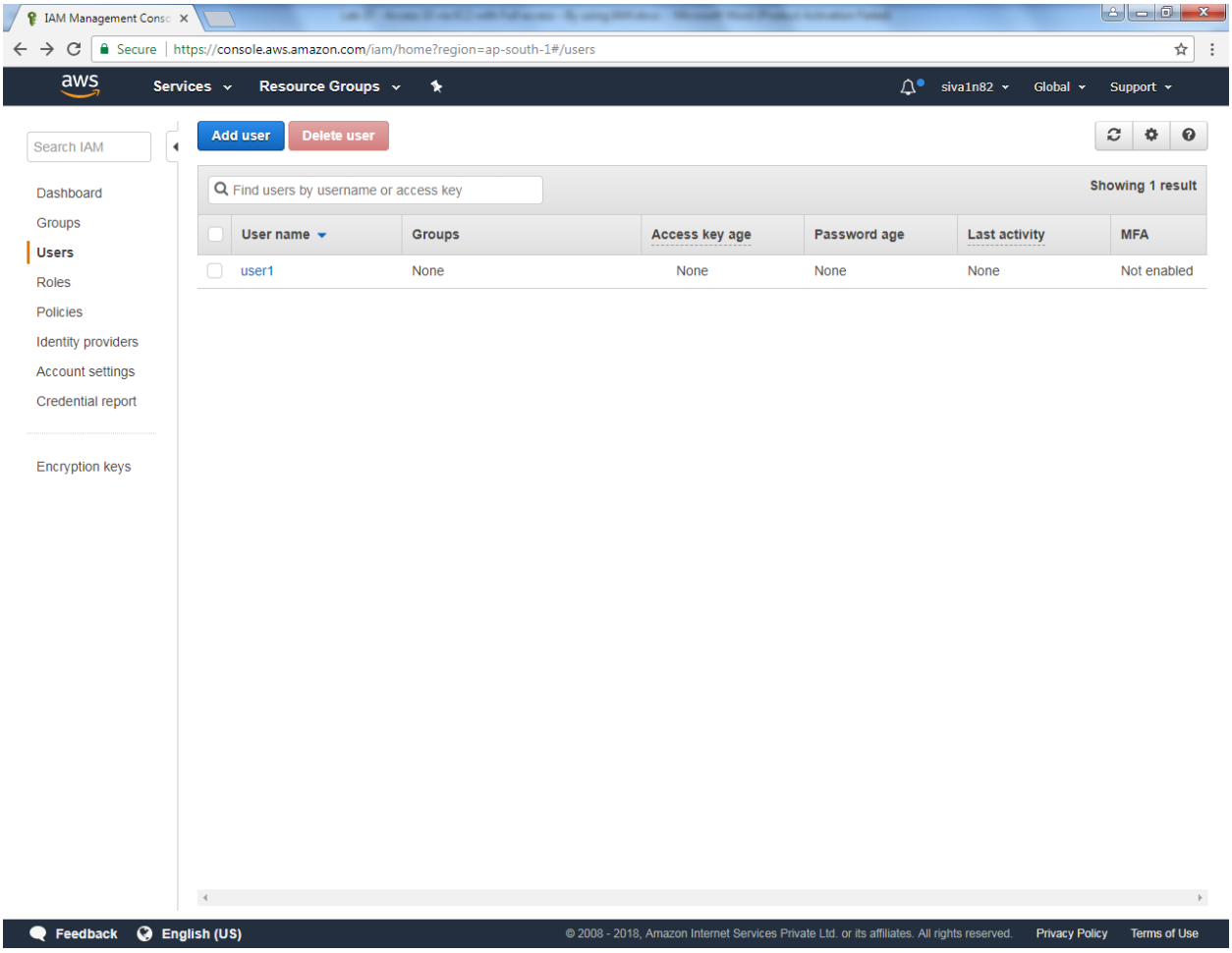
Click “Create user”.



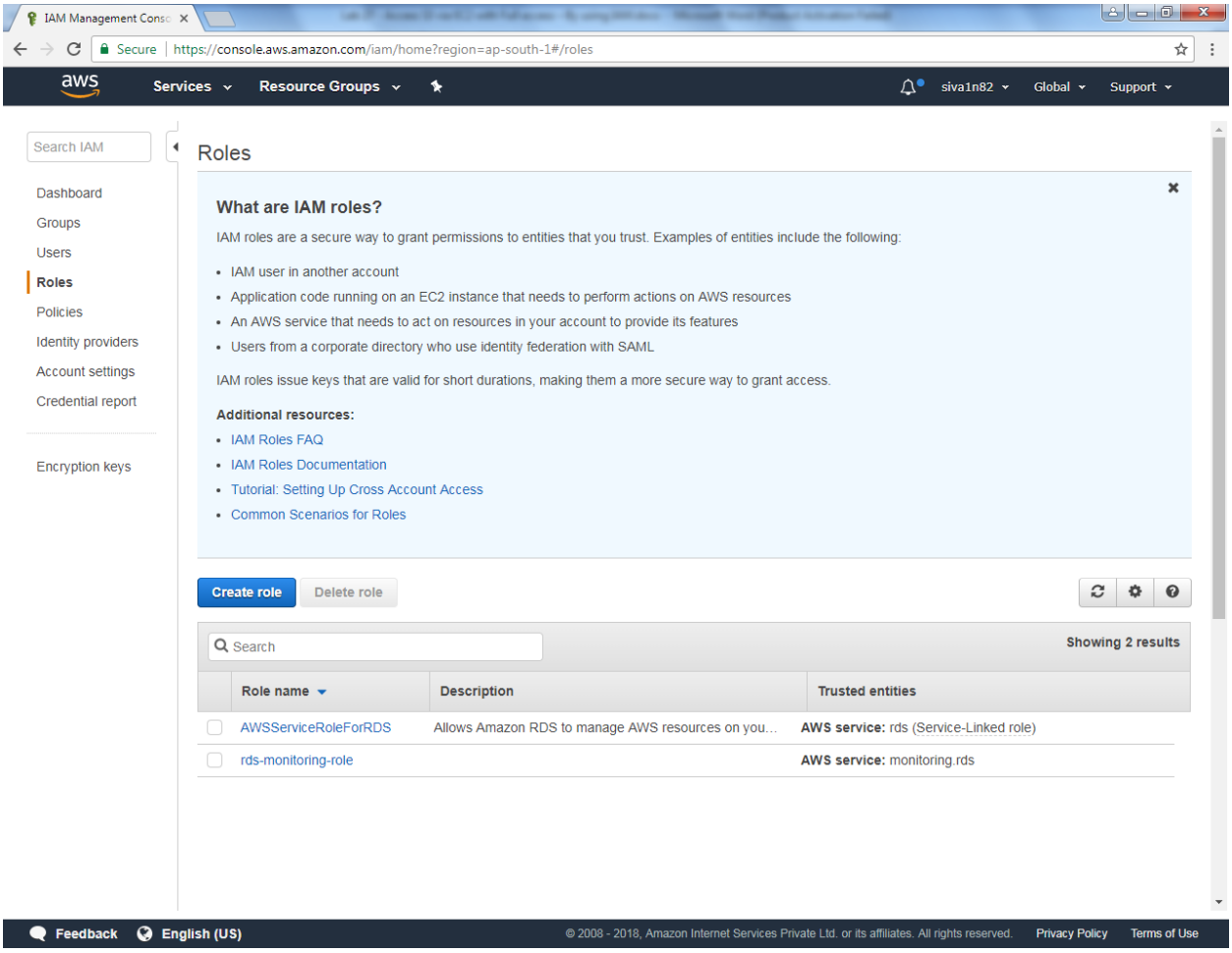
You can able to view the access key.



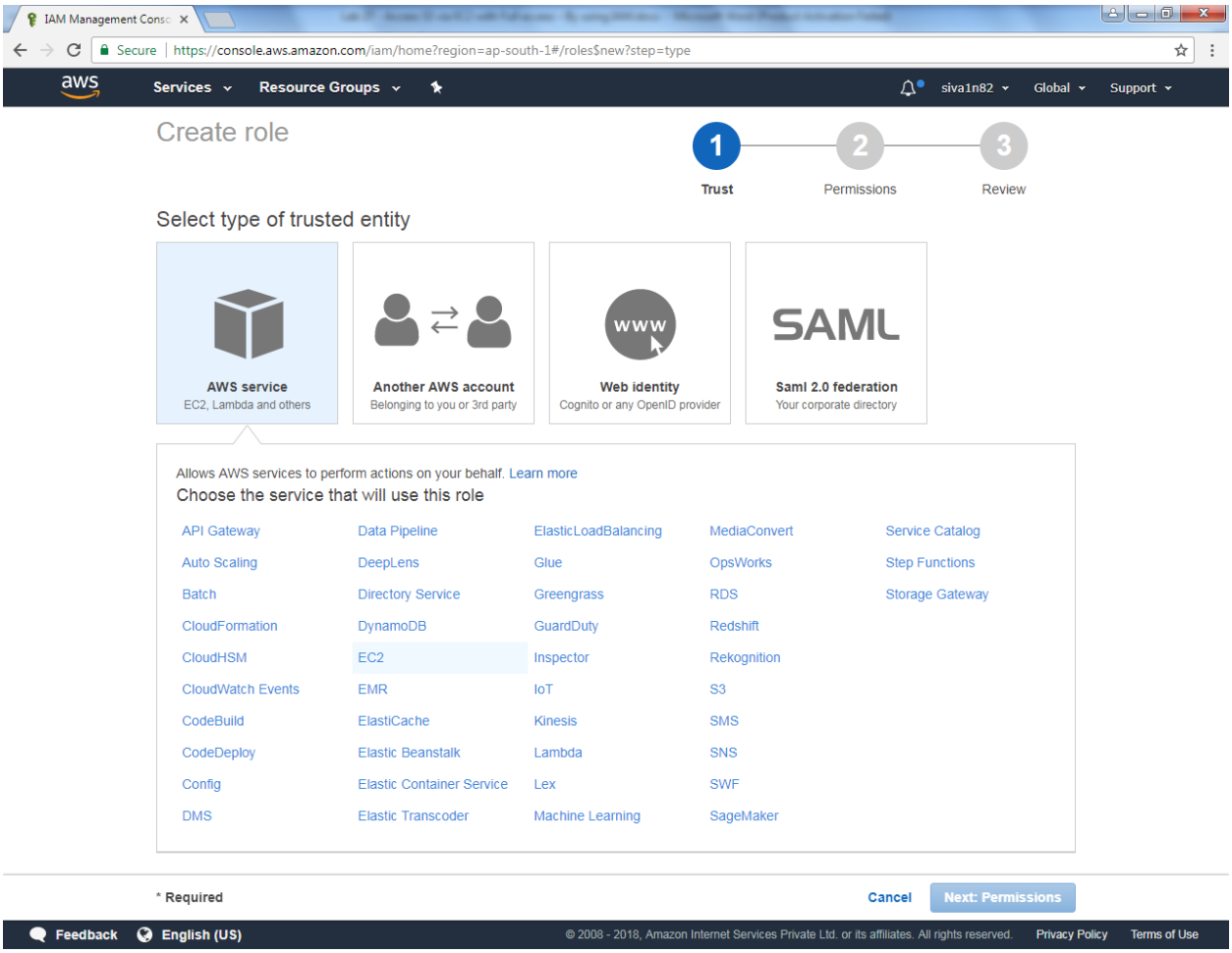
You can able to view the user.



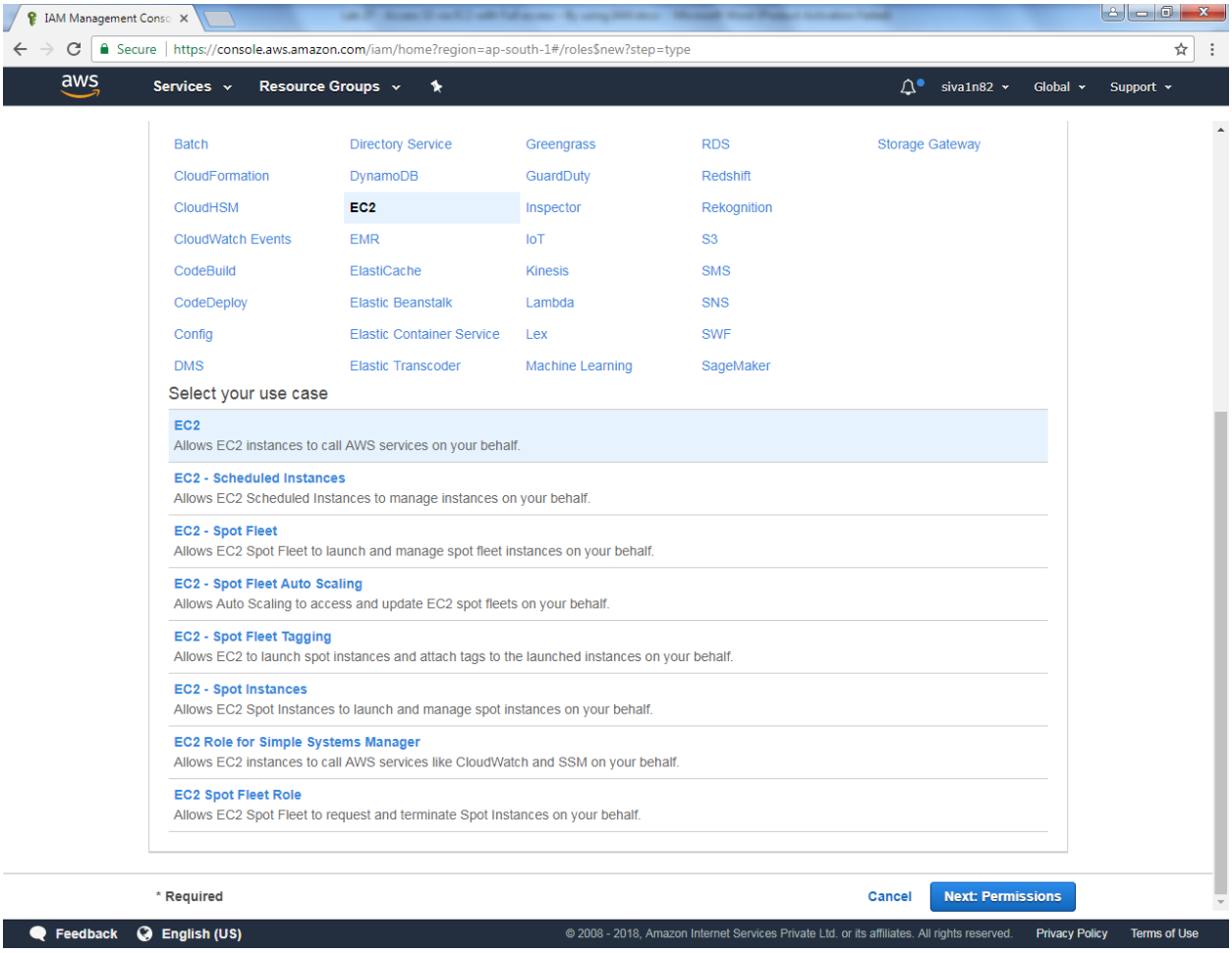
Click Roles and click create role.



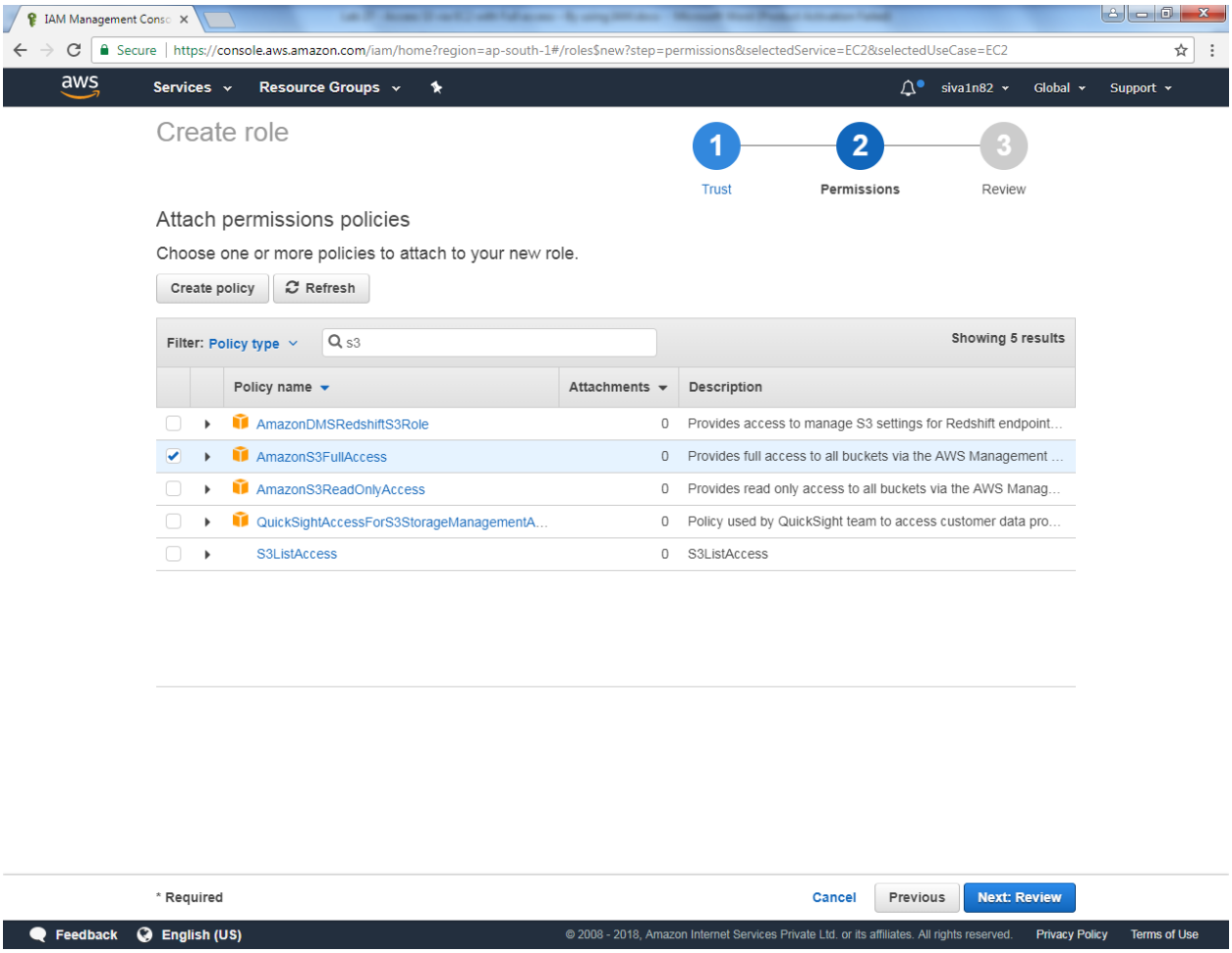
Click “EC2” Service



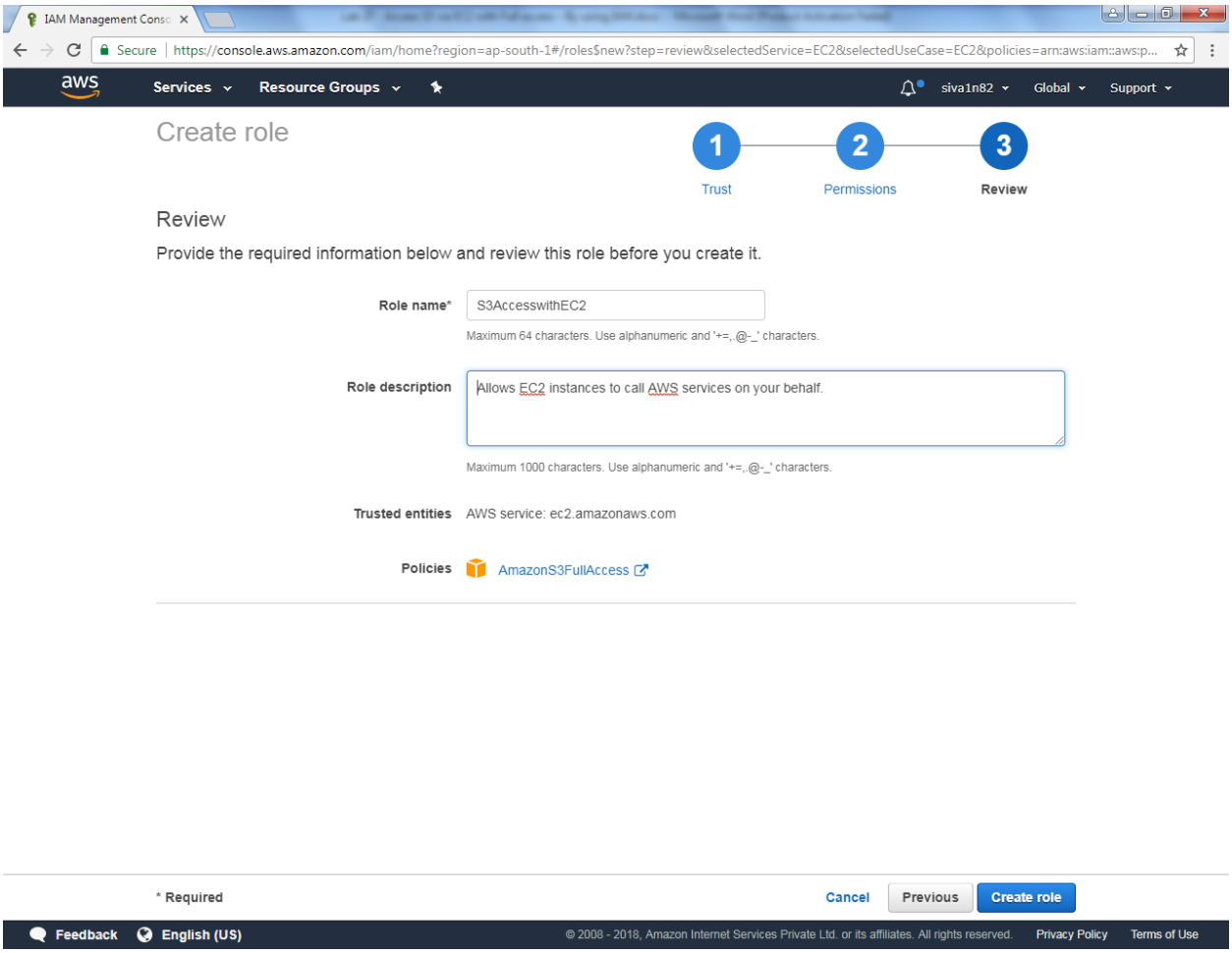
Click “EC2” service.



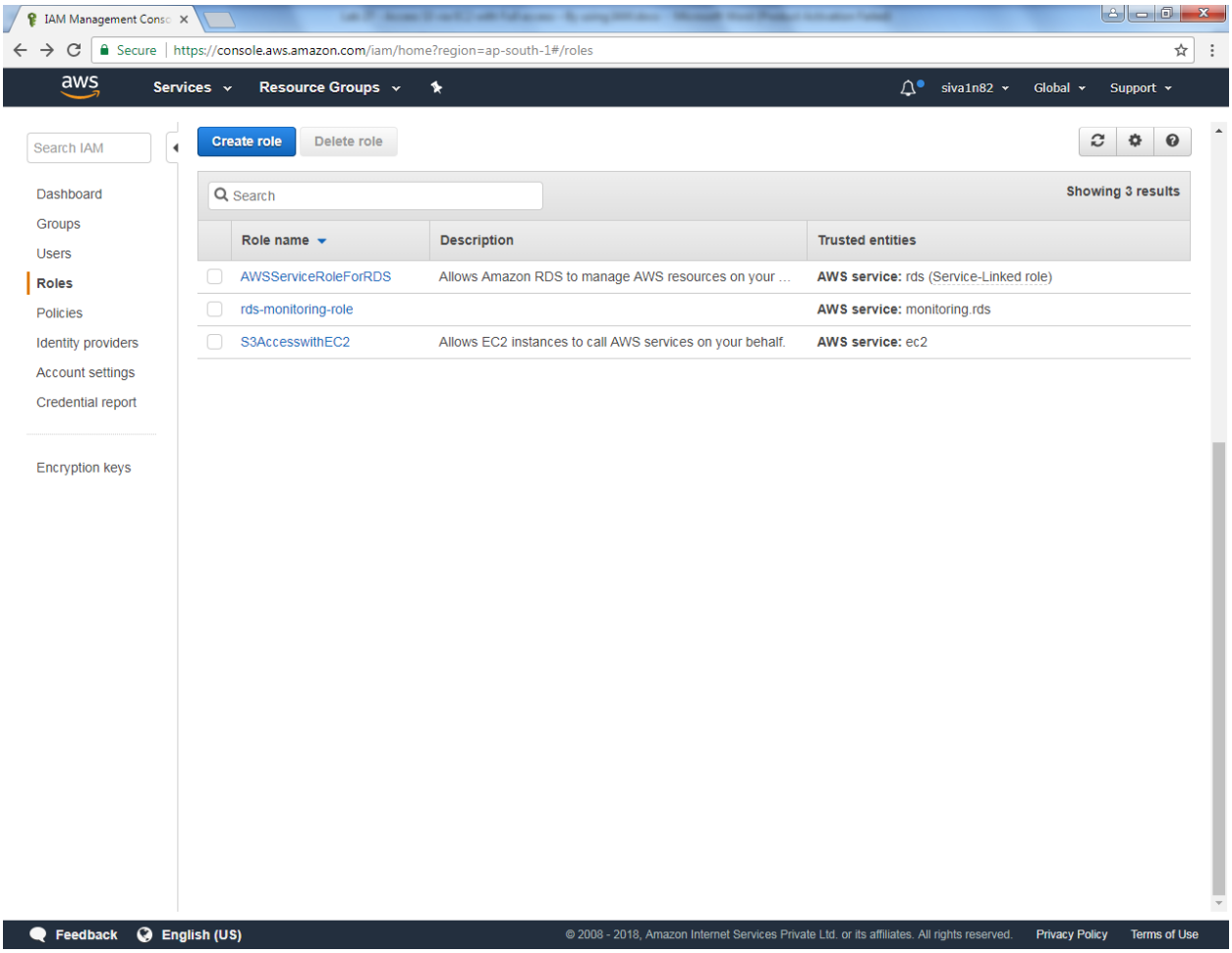
Select **“AmazonS3 Full access”**



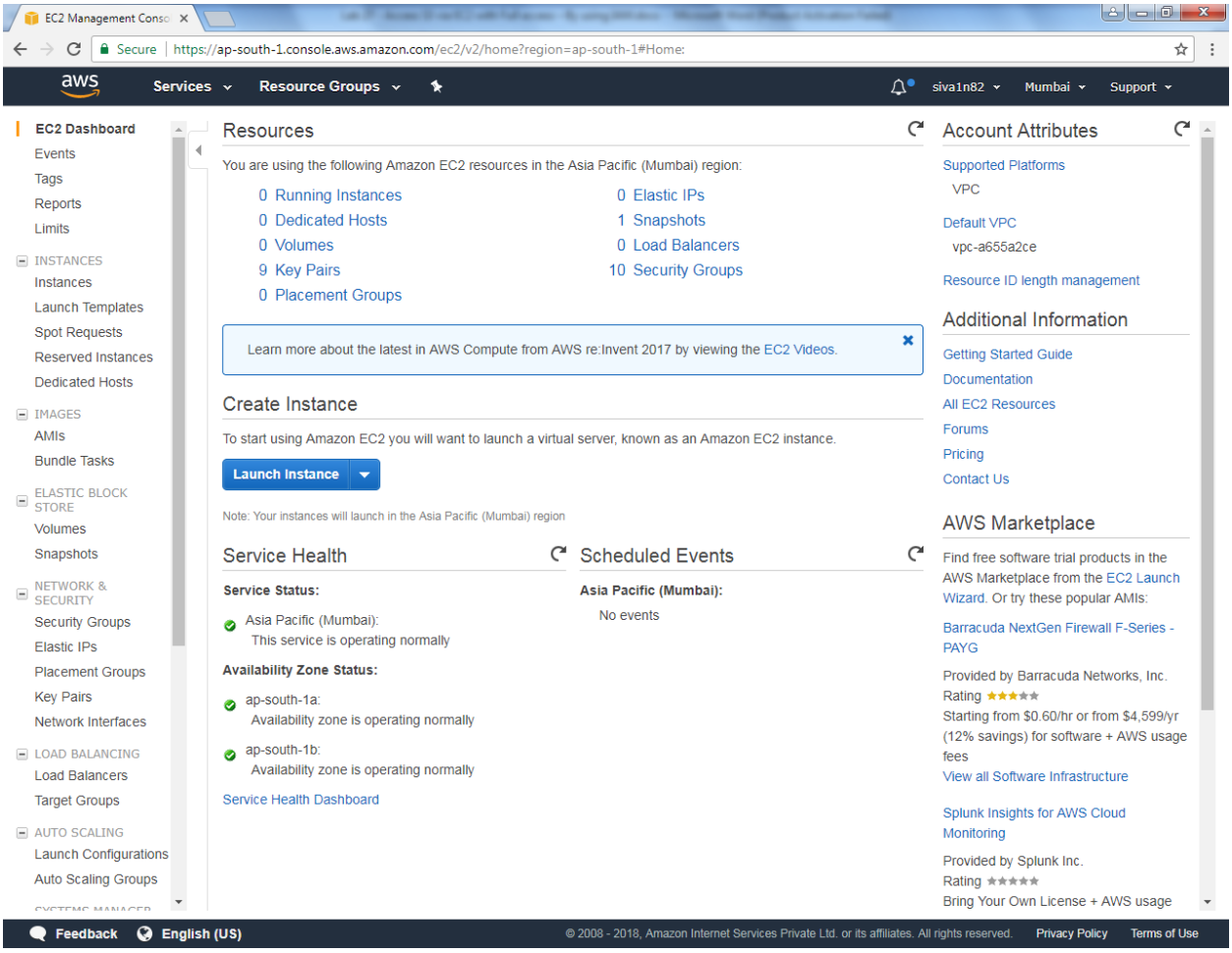
Type role name as “S3AccesswithEC2” and click “Create role”.



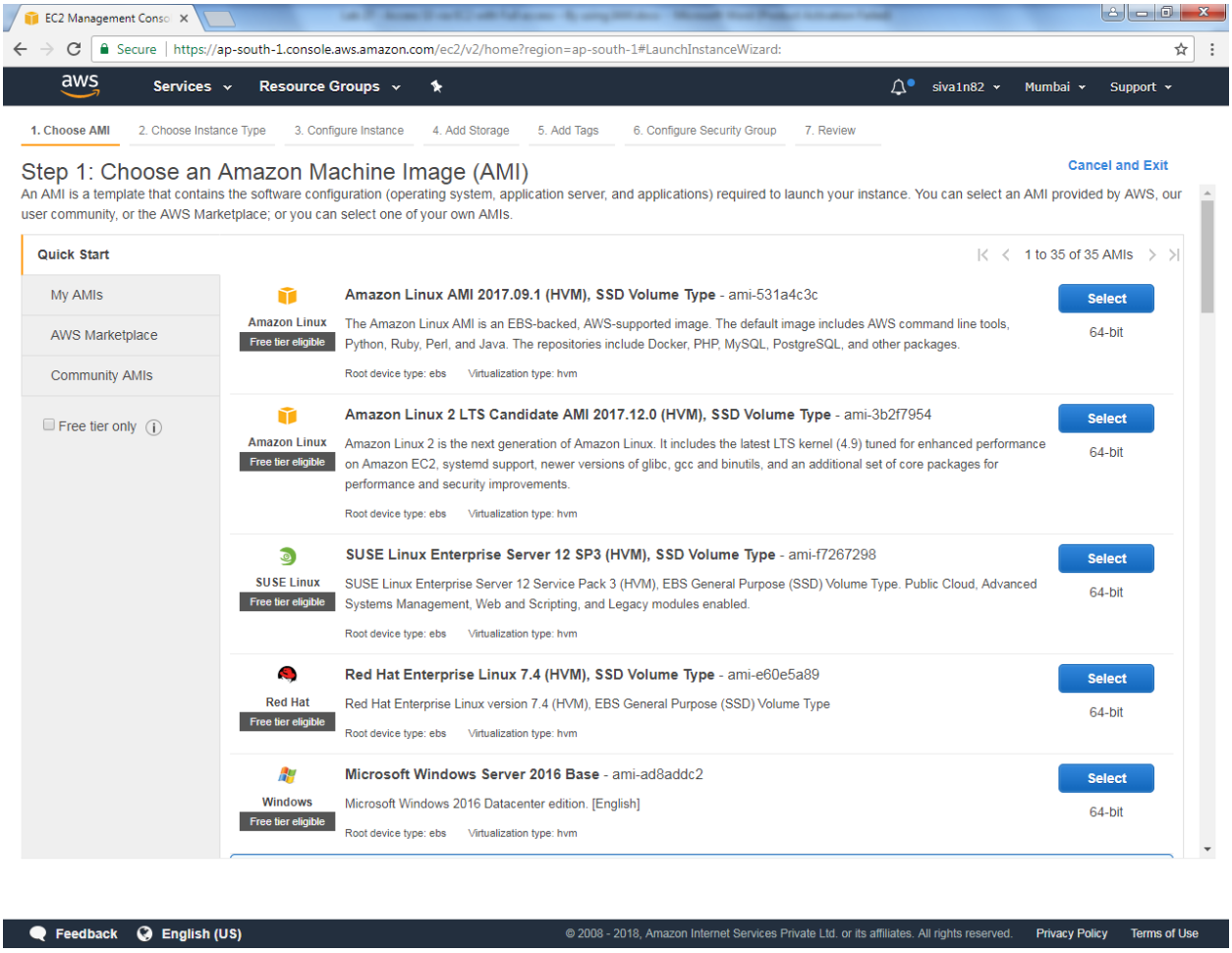
You can able to view the roles as below.



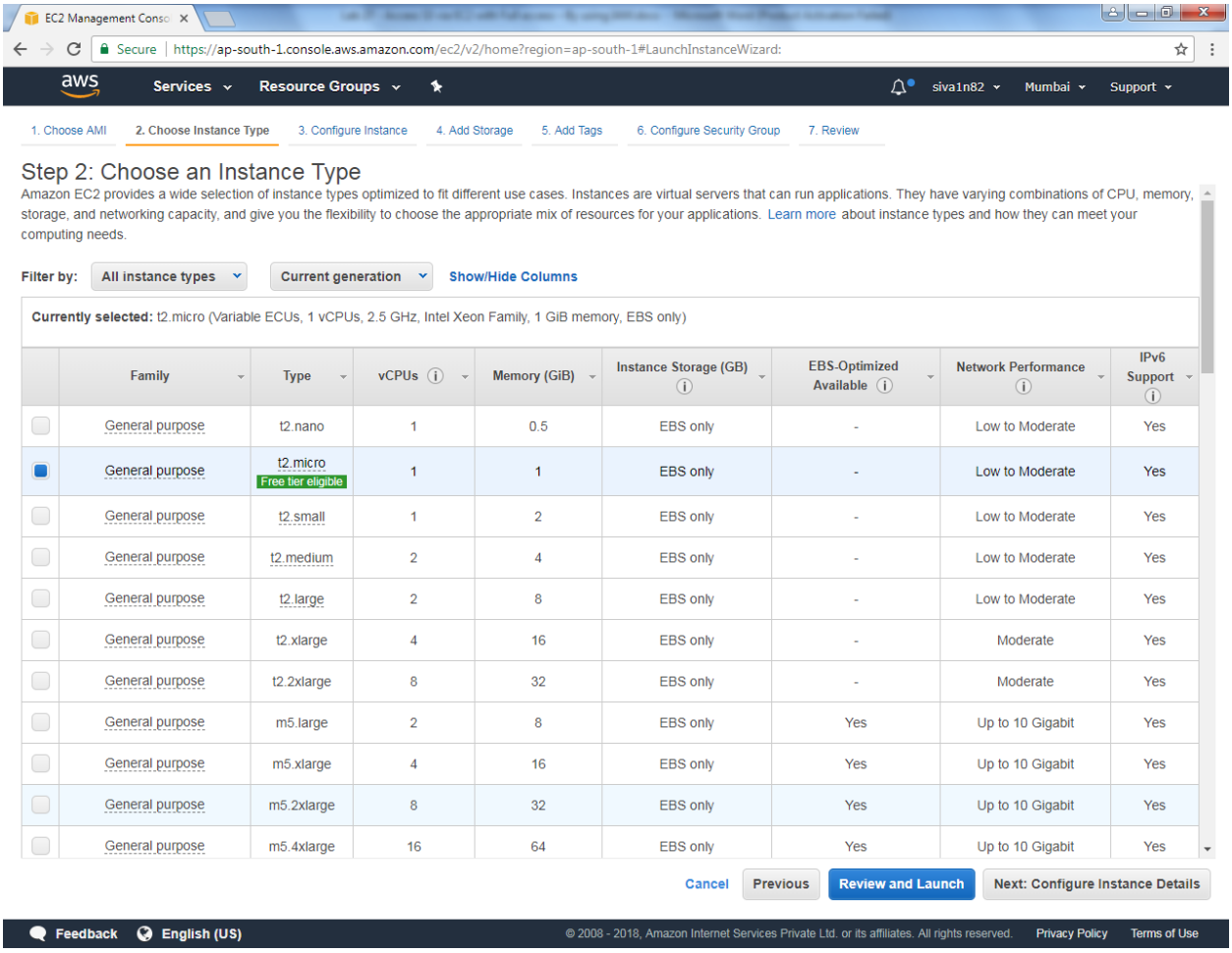
Click “Launch instance”.



Select “Amazon Linux”.

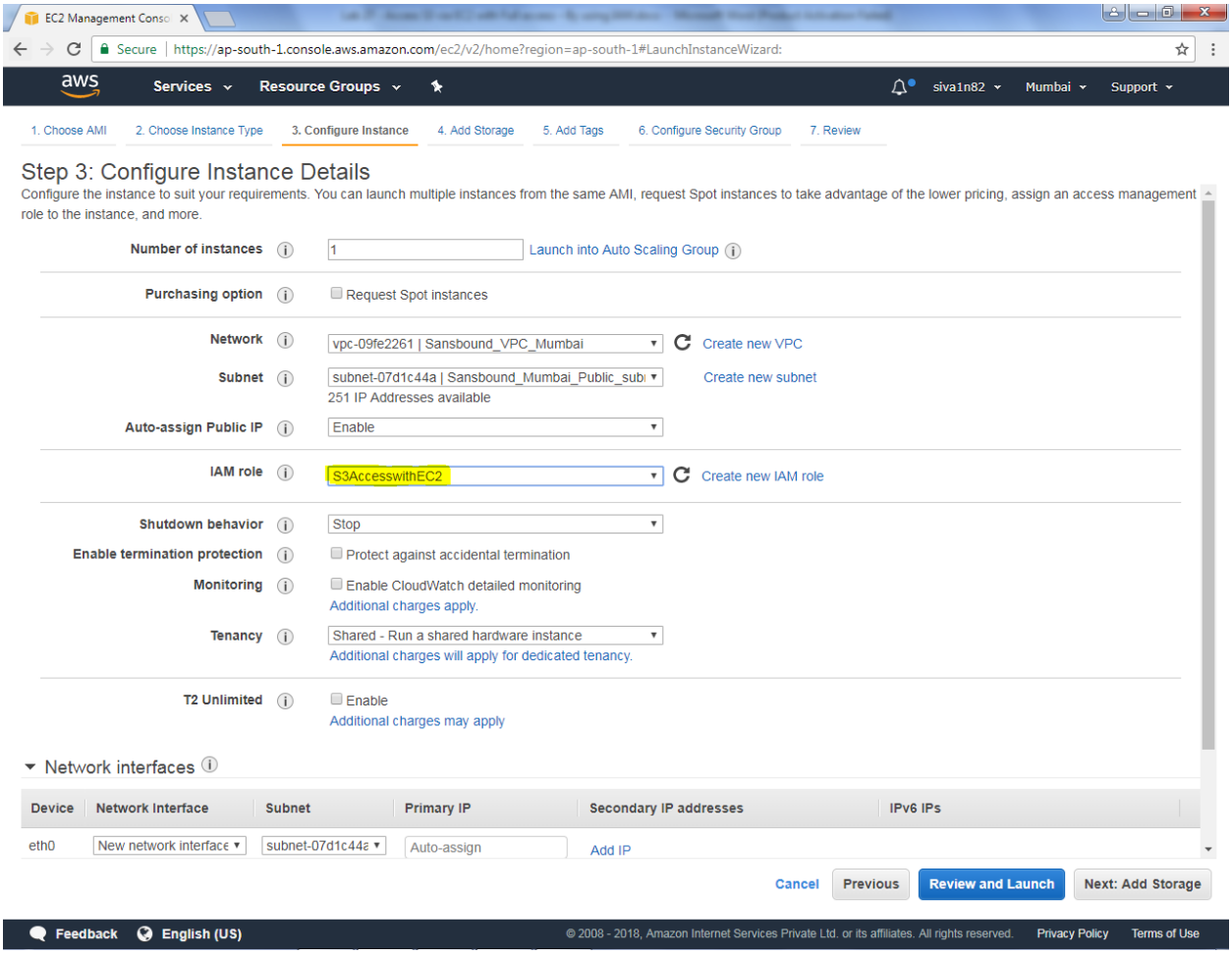


Select “t2.micro”.



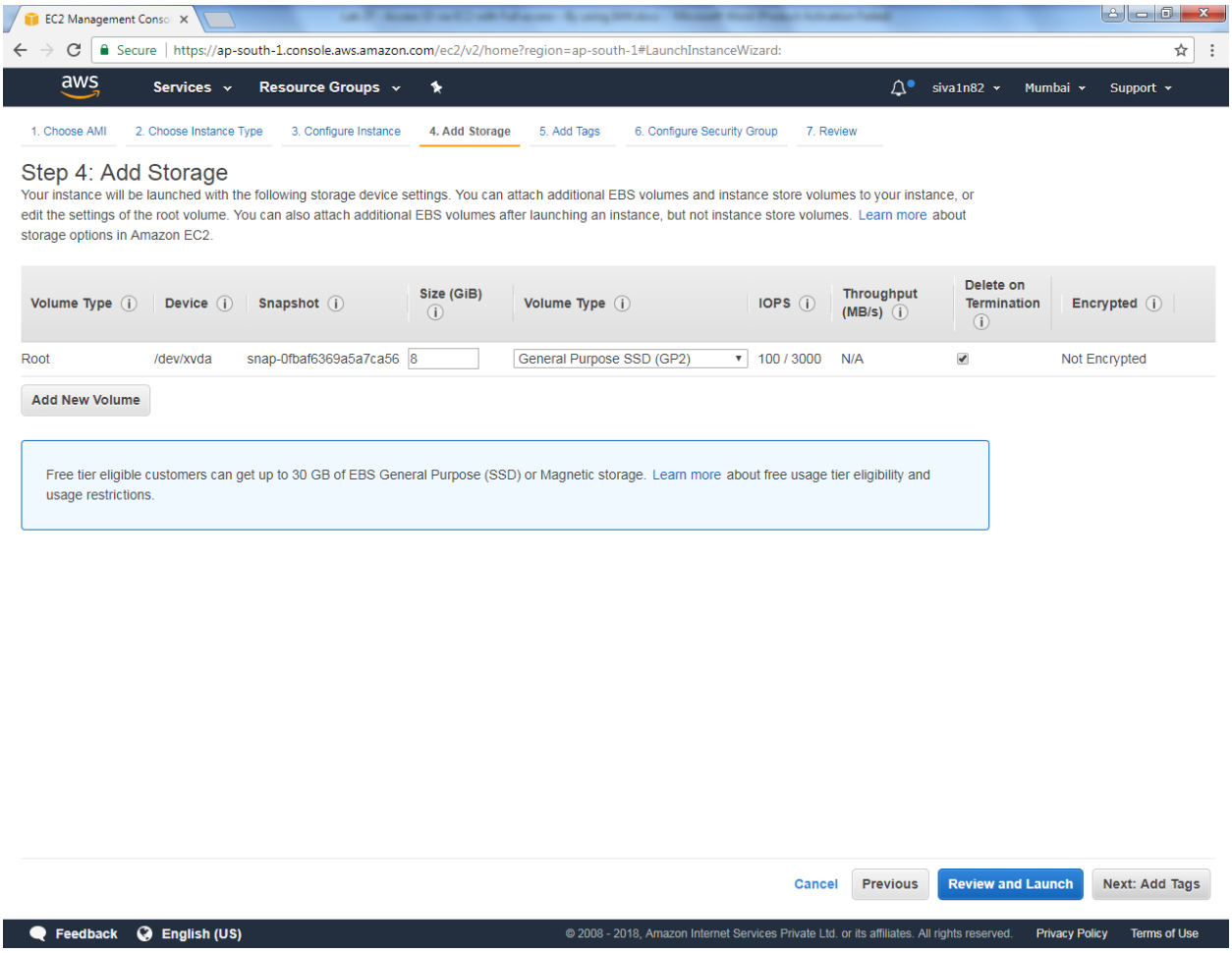
Click “Next”.

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



Click “Next”.

Click “Next”.


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 4: Add Storage
Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.
Volume Type
Device
Snapshot
Size (GiB)
Volume Type
IOPS
Throughput (MB/s)
Delete on Termination
Encrypted
Root
/dev/xvda
snap-0fbaf6369a5a7ca56
8
General Purpose SSD (GP2)
100 / 3000
N/A
Not Encrypted
Add New Volume
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.
Cancel
Previous
Review and Launch
Next: Add Tags
Feedback
English (US)
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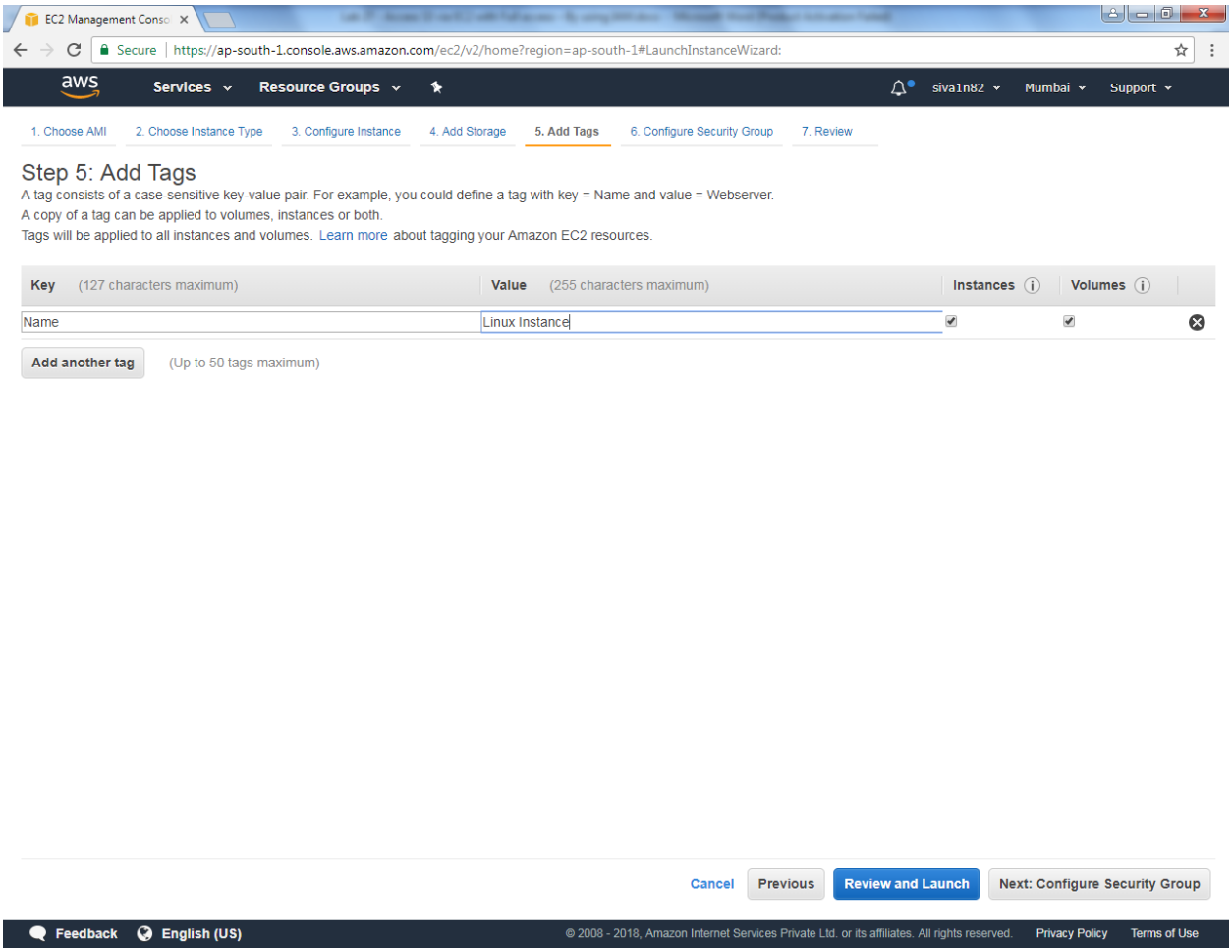
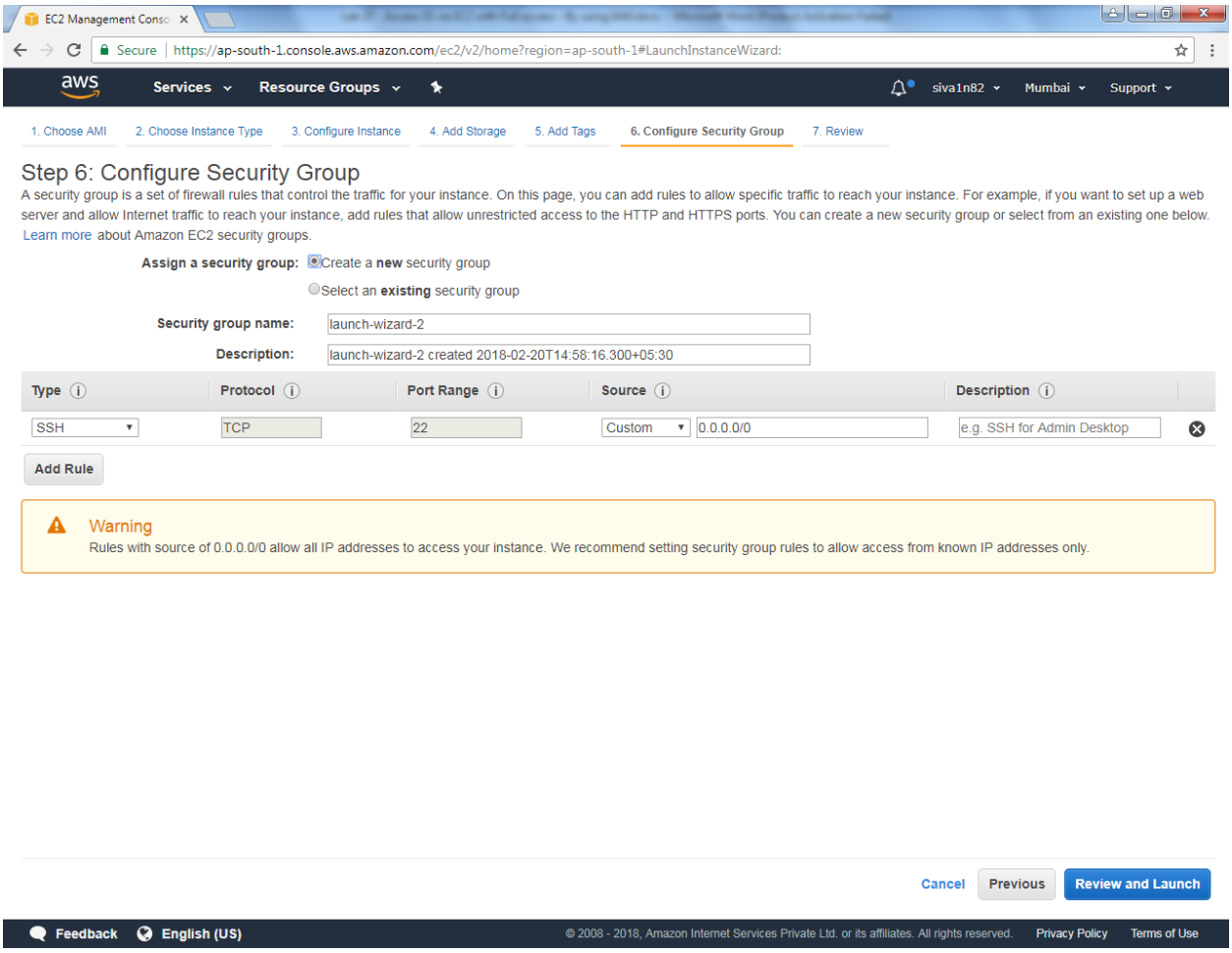
Terms of Use

Type Name as Linux Instance.

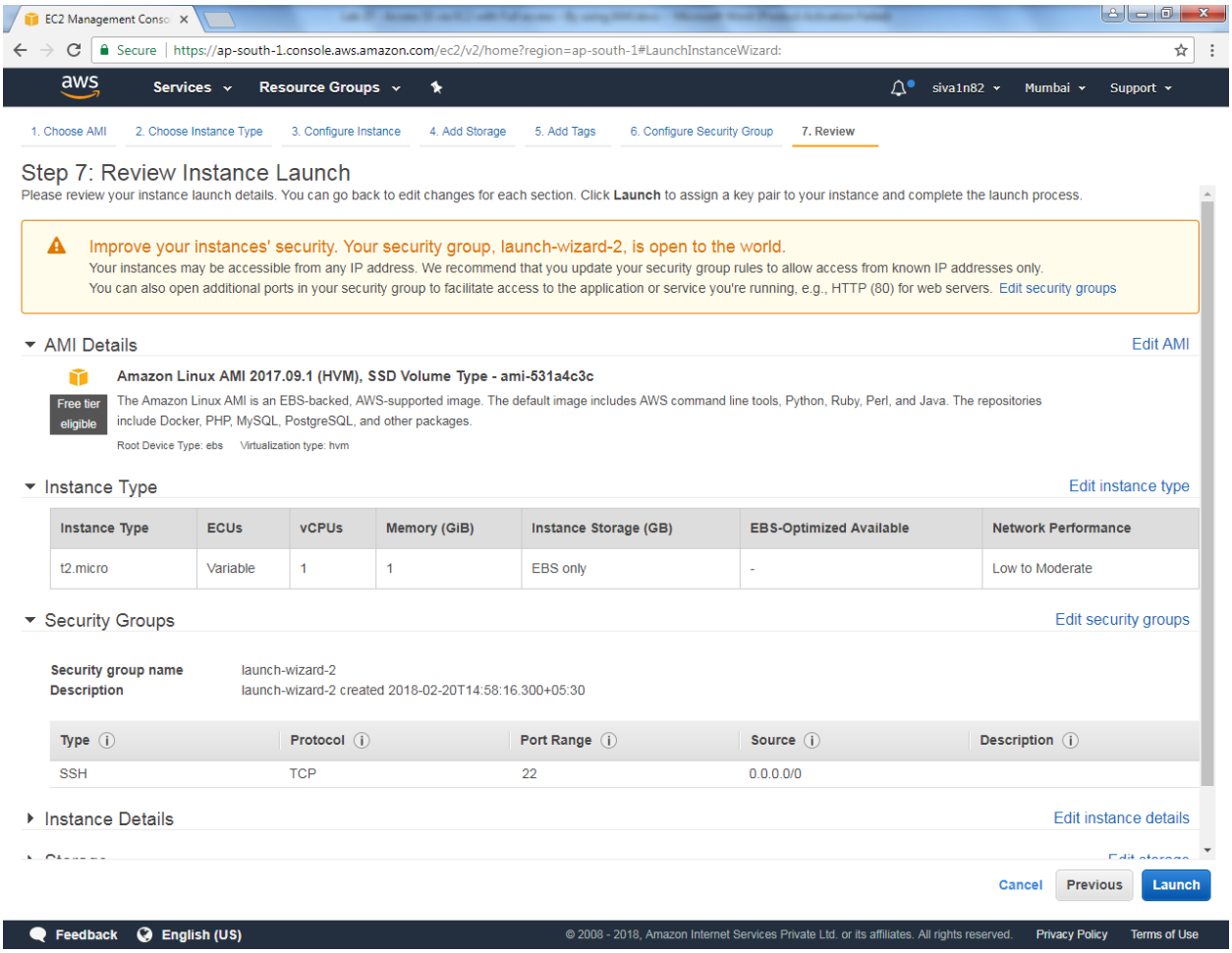


Click “Next”.

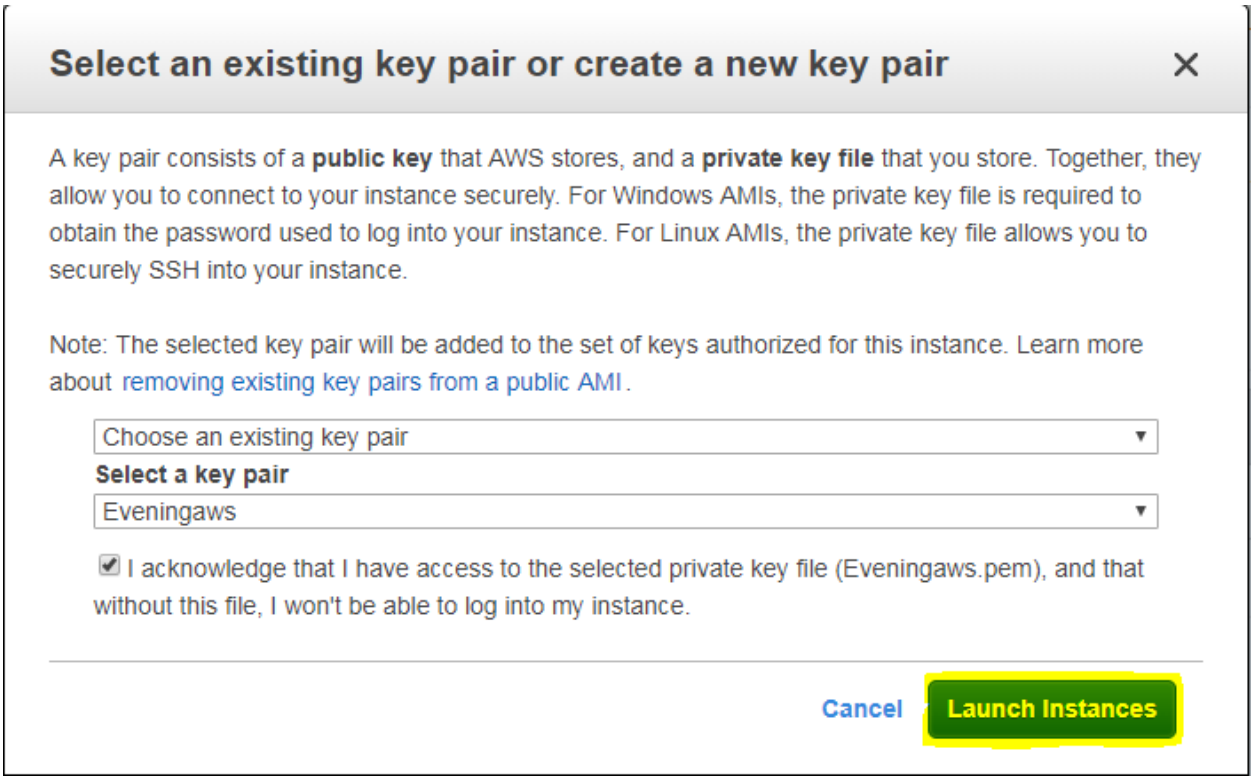
Create a new security group for access ssh port.



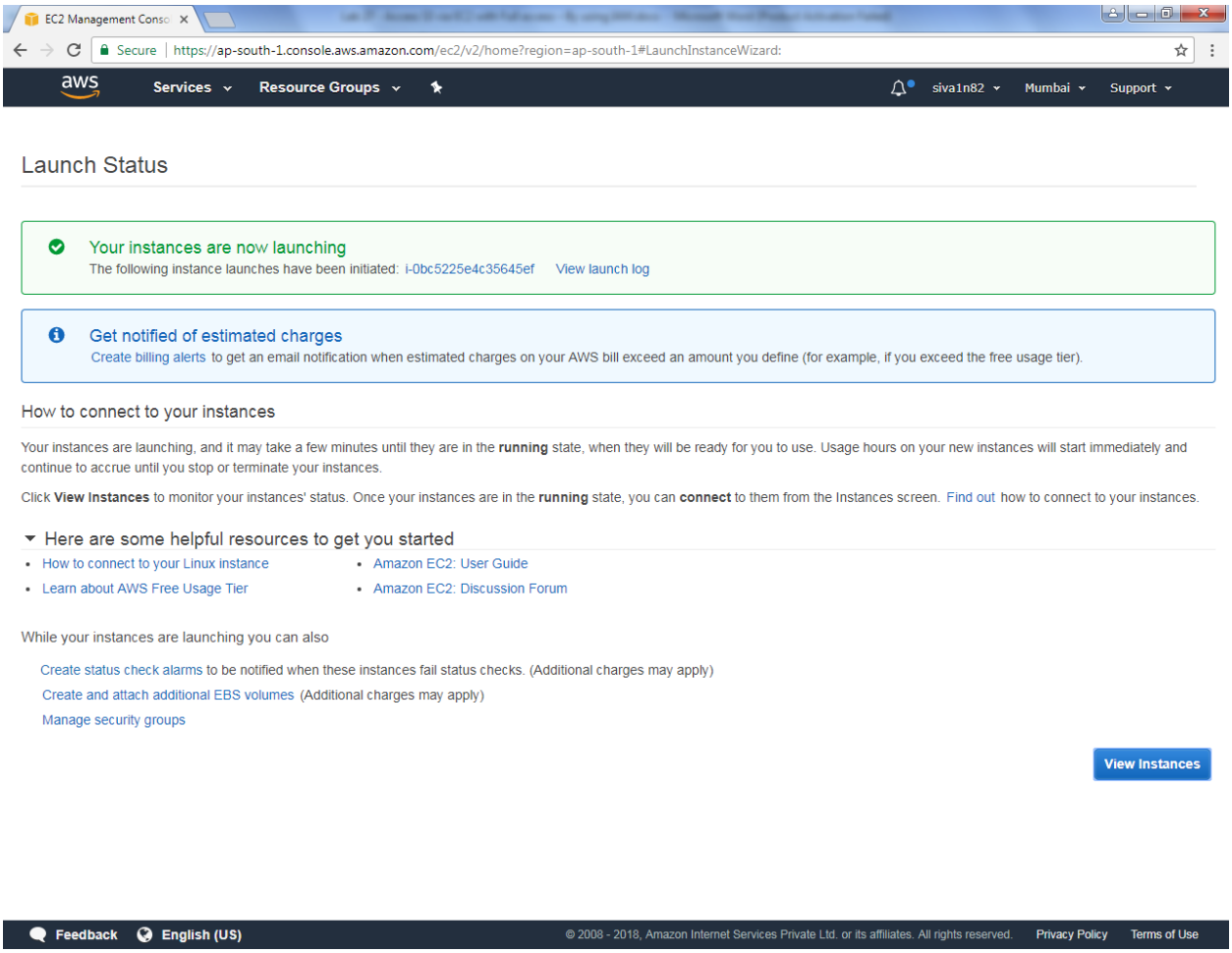
Click “Launch”.



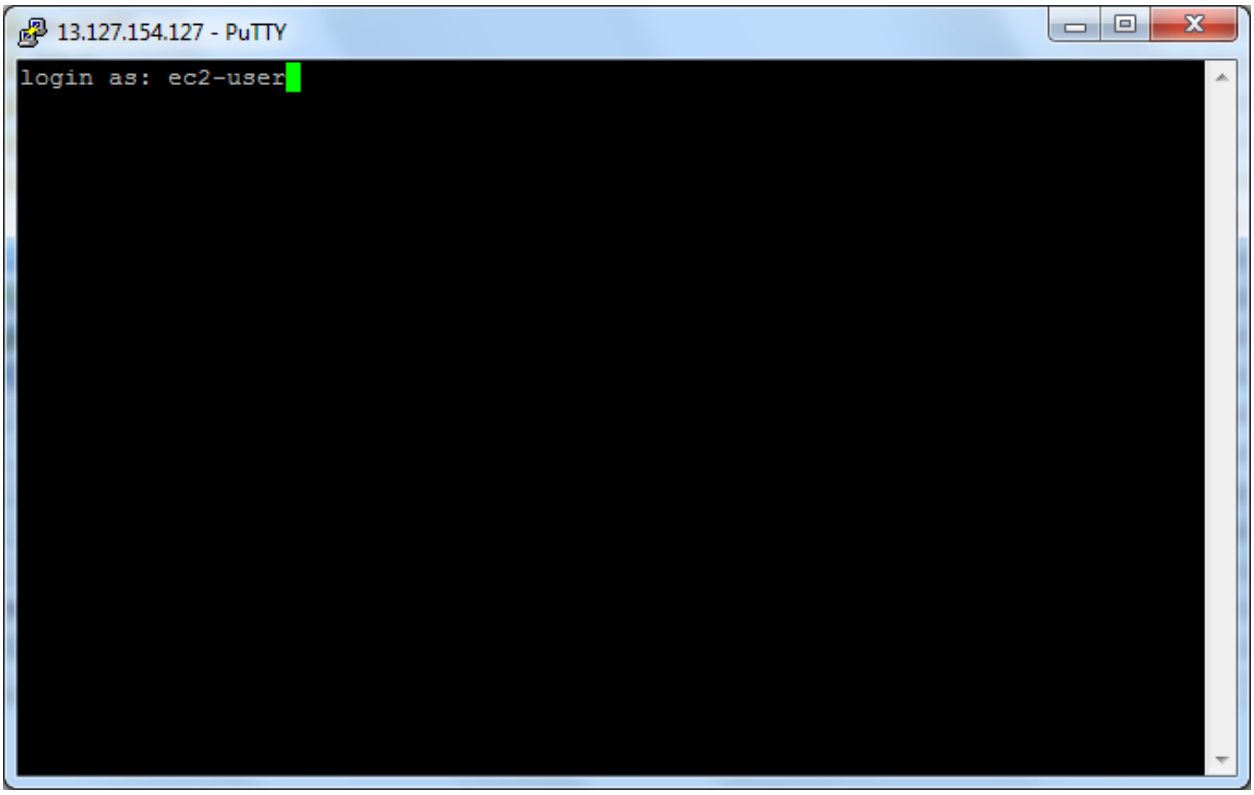
Choose the key and Click Launch instances.



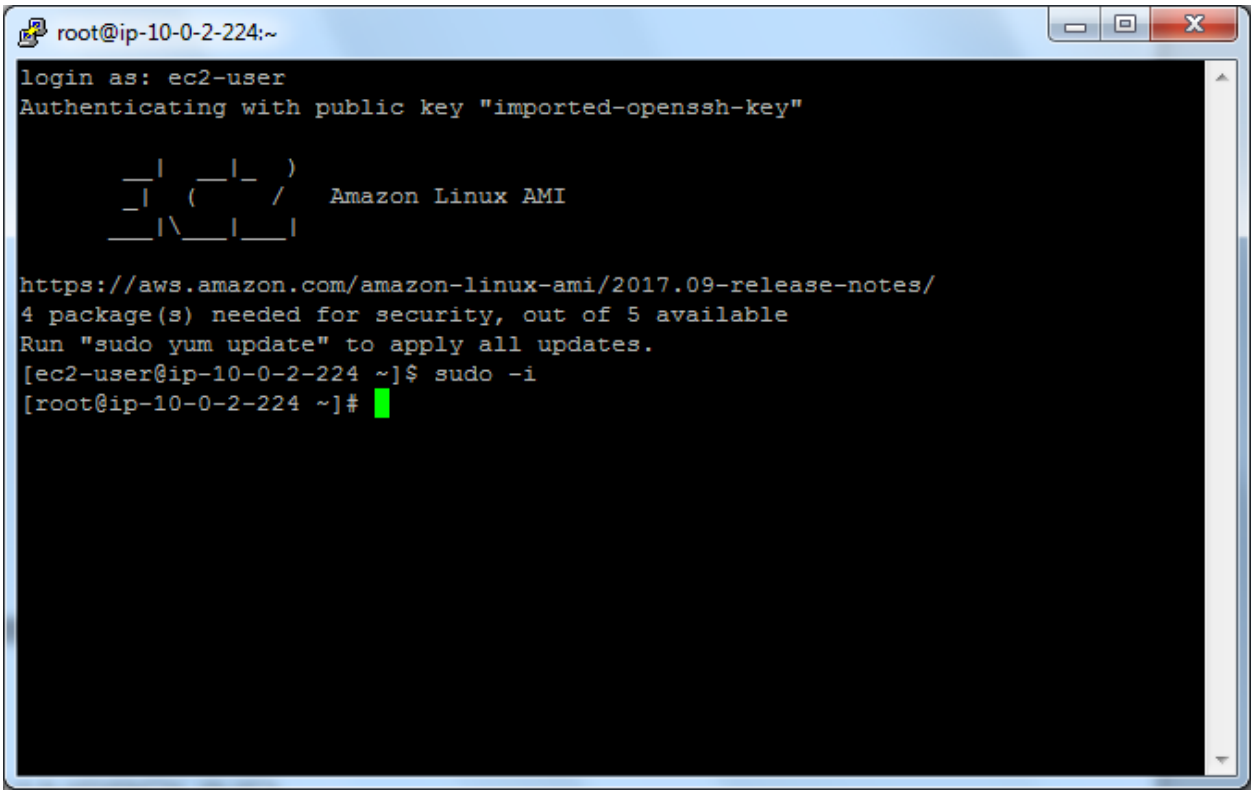
Click “View instances”.



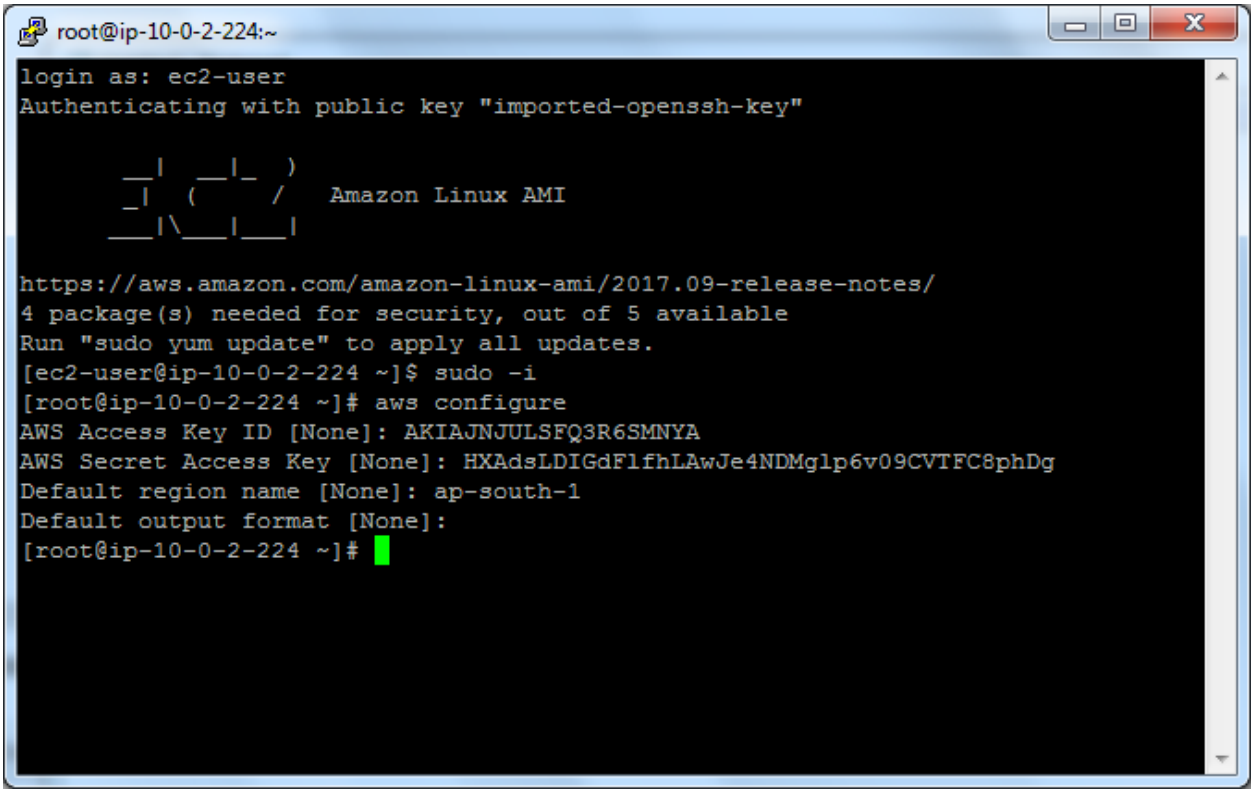
Login to Linux instance by using SSH.



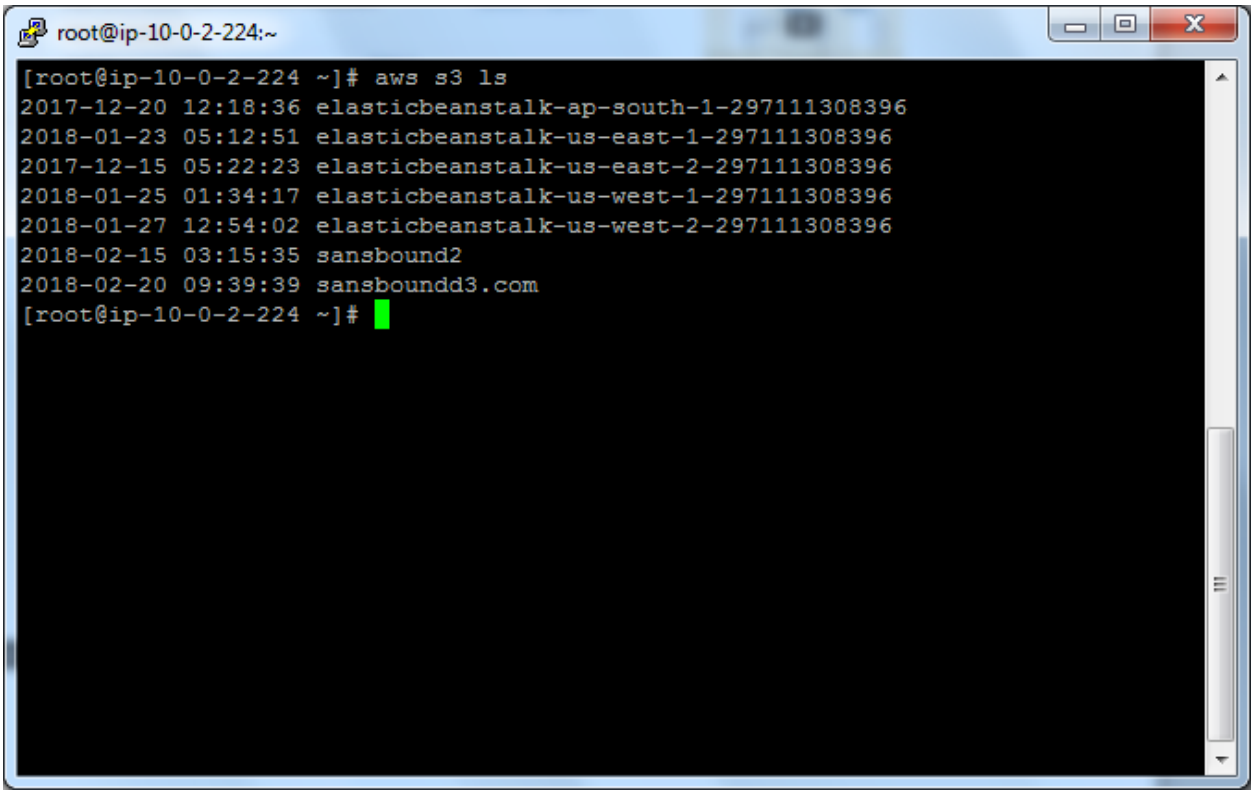
Type sudo -i


root@ip-10-0-2-224:~
login as: ec2-user
Authenticating with public key "imported-openssh-key"
__| __|_)
_| (/ Amazon Linux AMI
___|___|___|
https://aws.amazon.com/amazon-linux-ami/2017.09-release-notes/
4 package(s) needed for security, out of 5 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-10-0-2-224 ~]$ sudo -i
[root@ip-10-0-2-224 ~]#

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

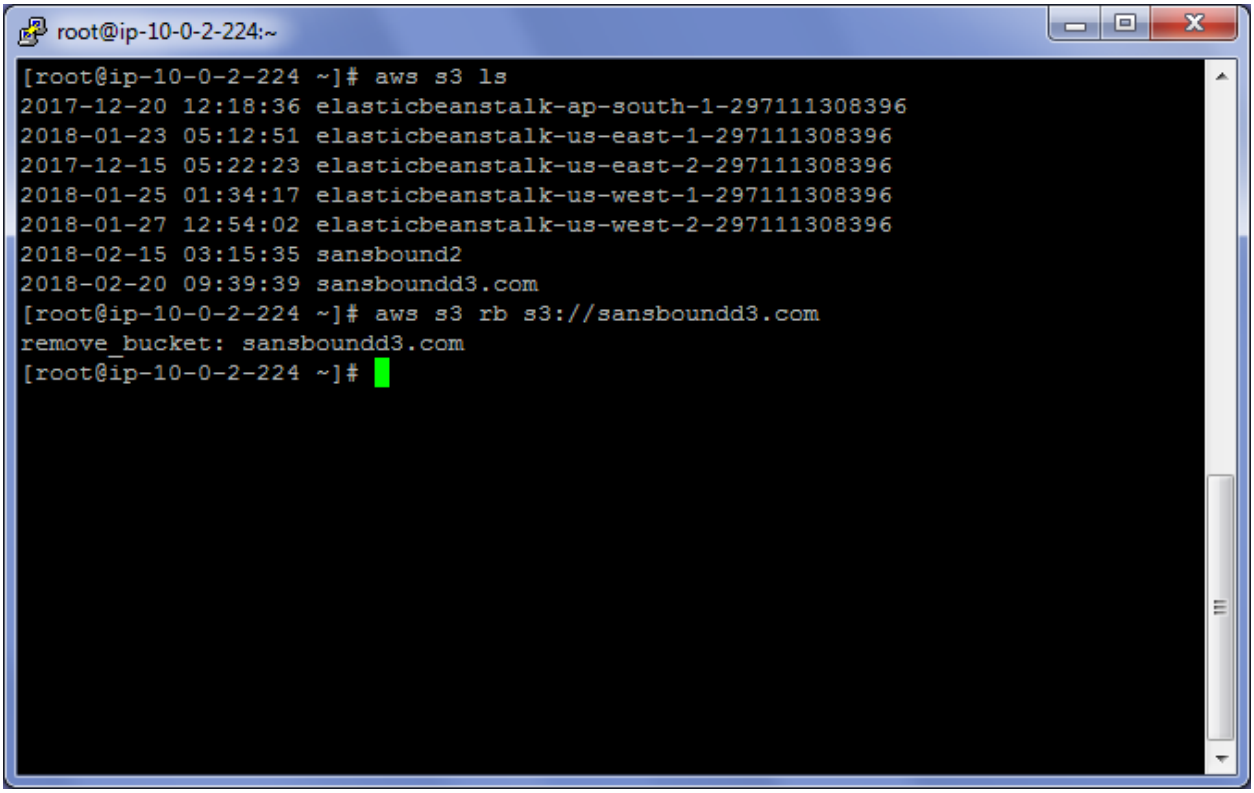


Type aws s3 ls command to list the bucket.



Type aws s3 rb s3://sansboundd3.com

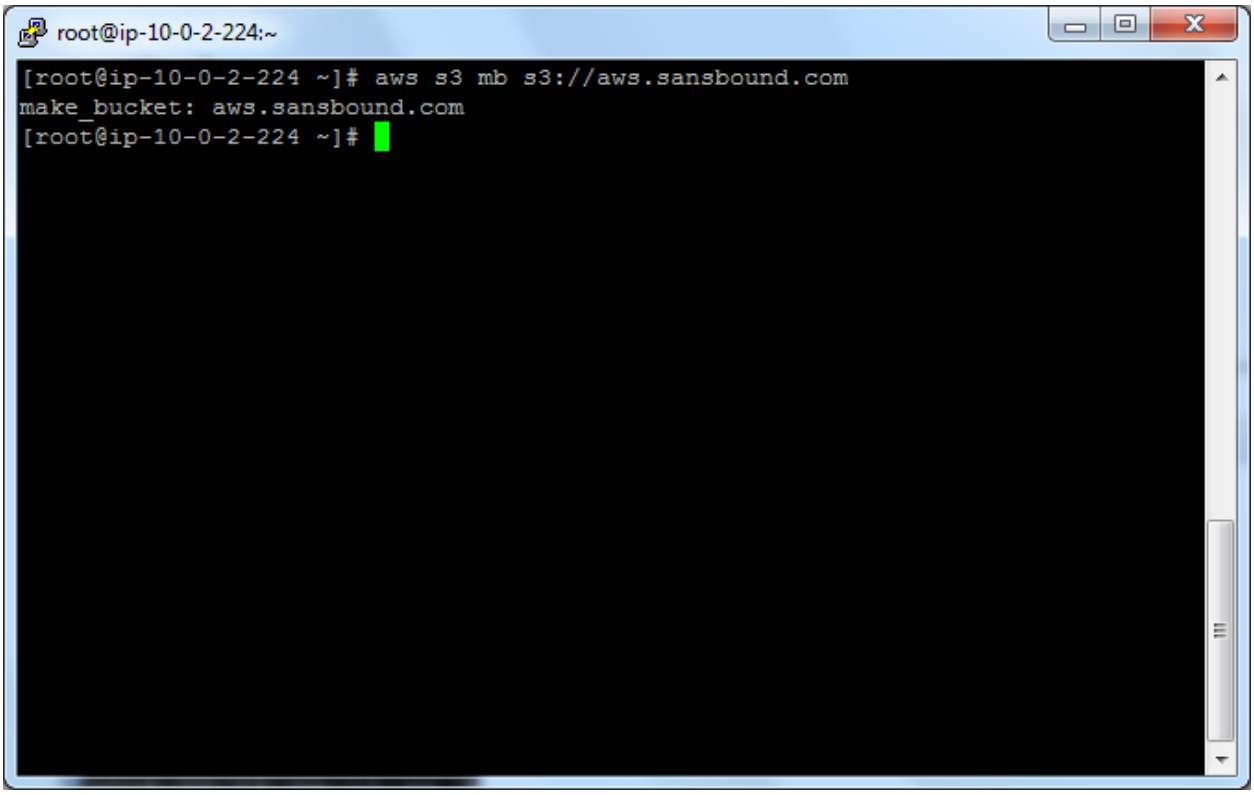
Successfully removed the bucket.



Type

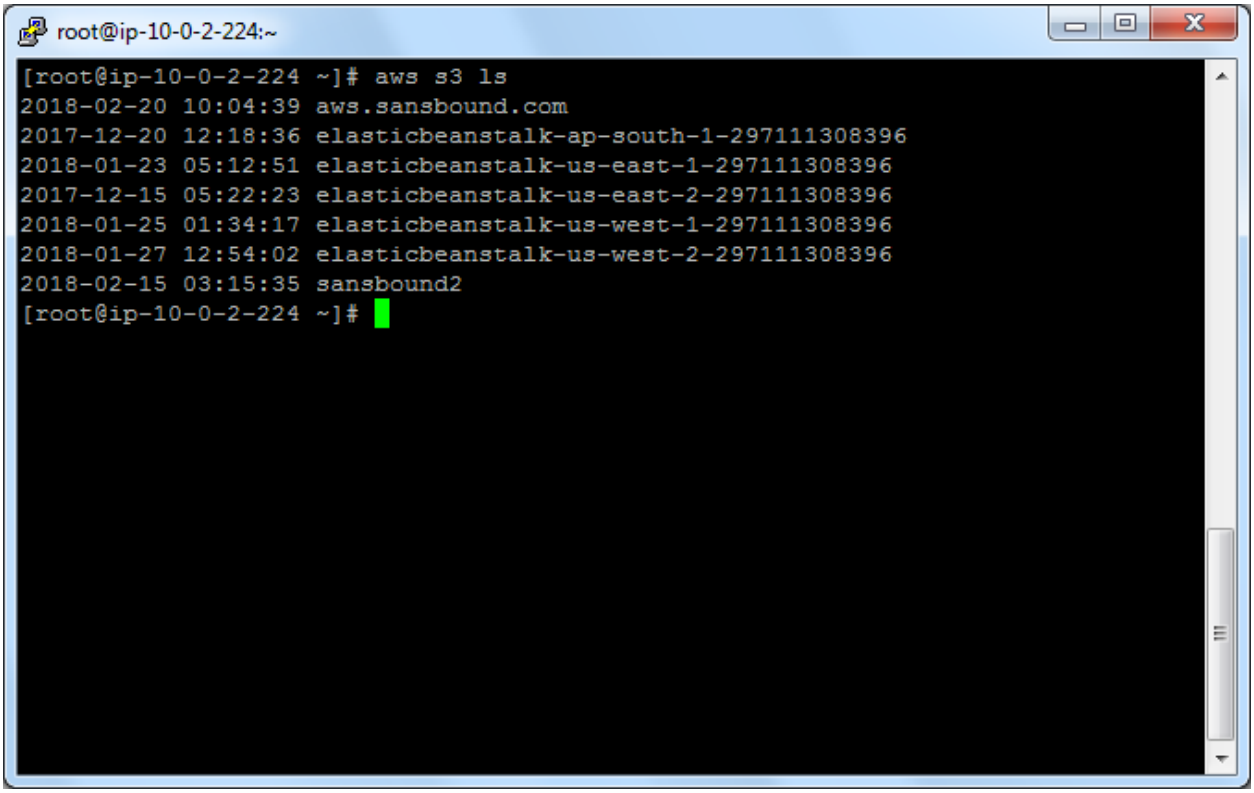
Aws s3 mb s3://aws.sansbound.com

Succesfully created the bucket.



Tyep

Aws s3 ls



Bucket details listed successfully.