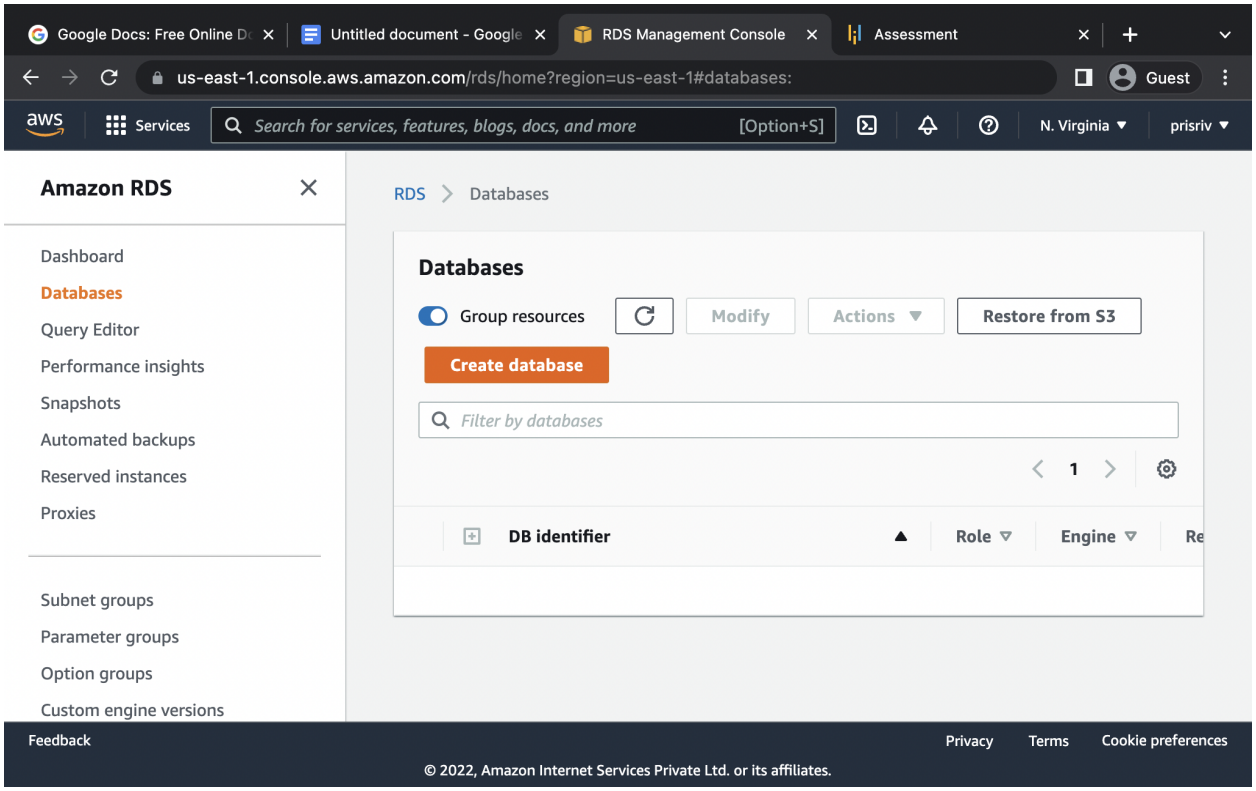
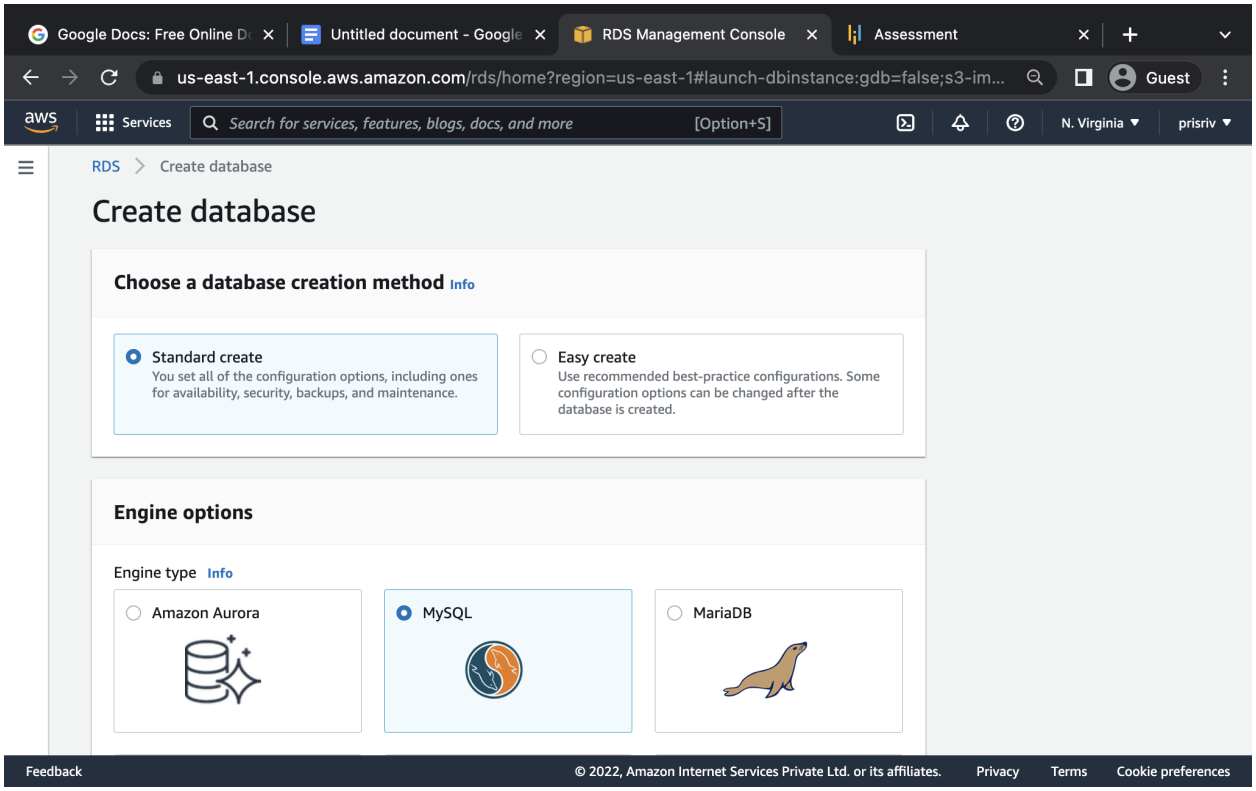
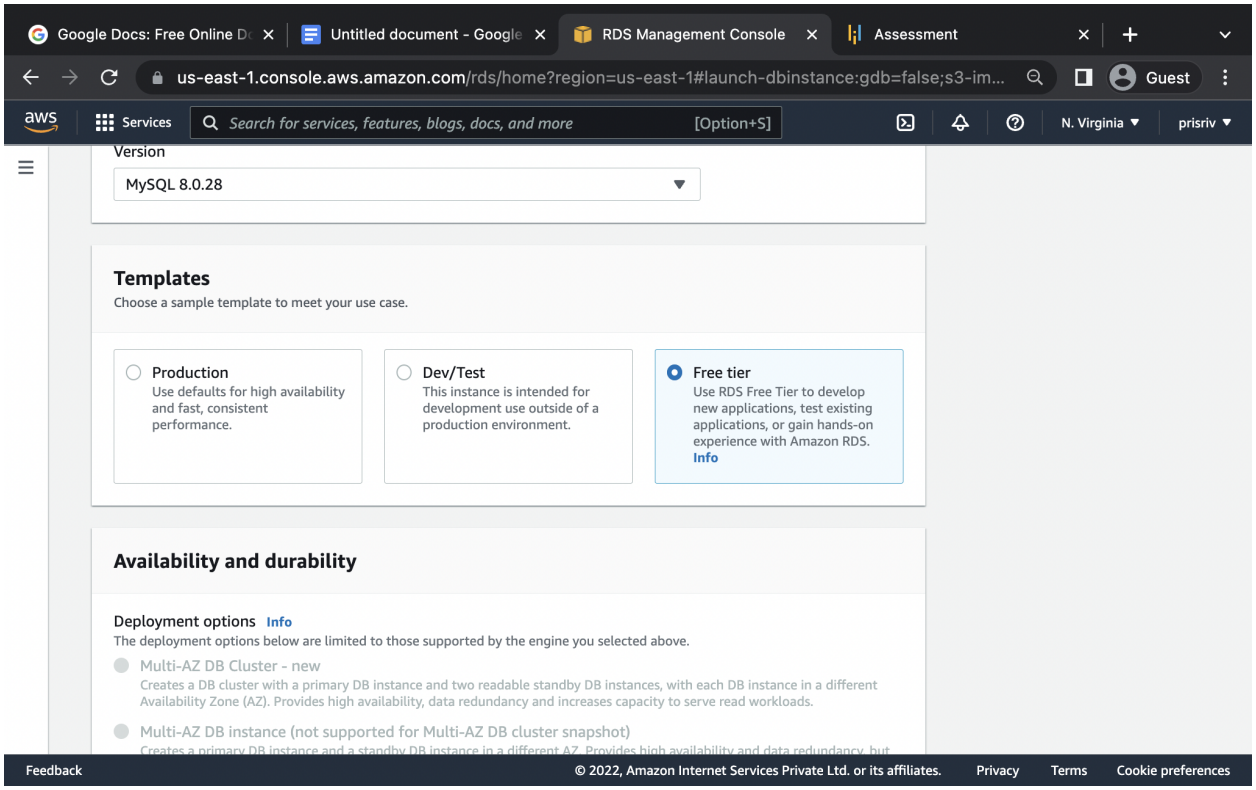
1) Creating RDS- MySQL DB



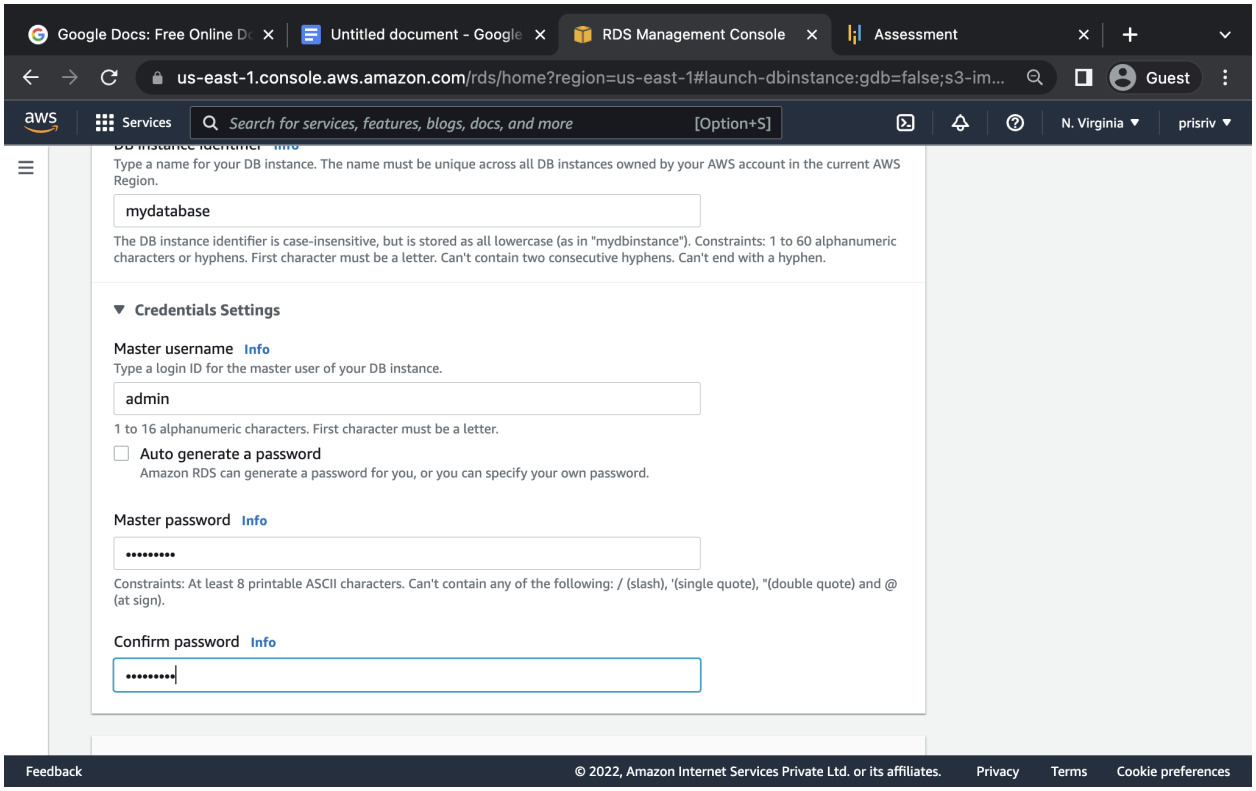
Select standard create, mysql



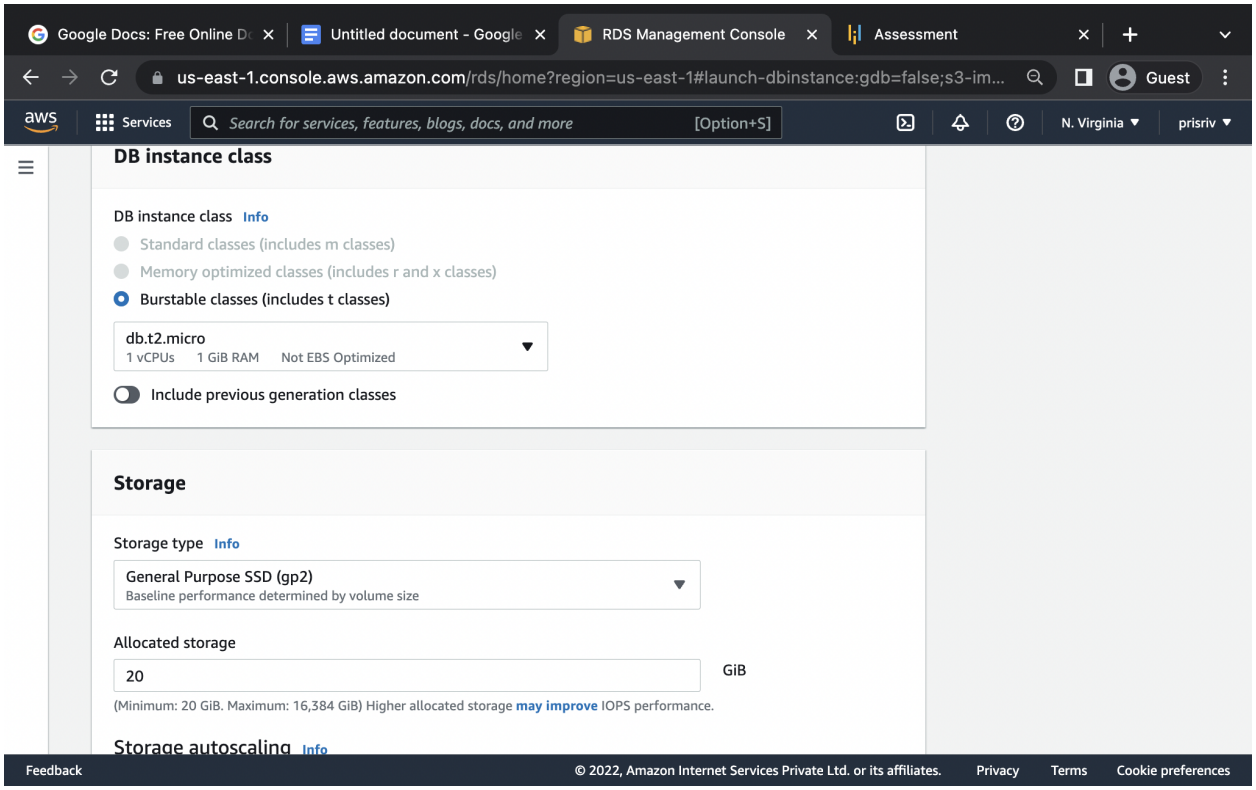
Choose free tier



Provide password and DB name



Choose t2.micro


Google Docs: Free Online D
Untitled document - Google
RDS Management Console
Assessment
us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:gdb=false;s3-im...
Guest
aws
Services
Search for services, features, blogs, docs, and more
[Option+S]
N. Virginia
prisriv
DB instance class
DB instance class Info
Standard classes (includes m classes)
Memory optimized classes (includes r and x classes)
Burstable classes (includes t classes)
db.t2.micro
1 vCPUs 1 GiB RAM Not EBS Optimized
Include previous generation classes
Storage
Storage type Info
General Purpose SSD (gp2)
Baseline performance determined by volume size
Allocated storage
20
GiB
(Minimum: 20 GiB. Maximum: 16,384 GiB) Higher allocated storage may improve IOPS performance.
Storage autoscaling Info
Feedback
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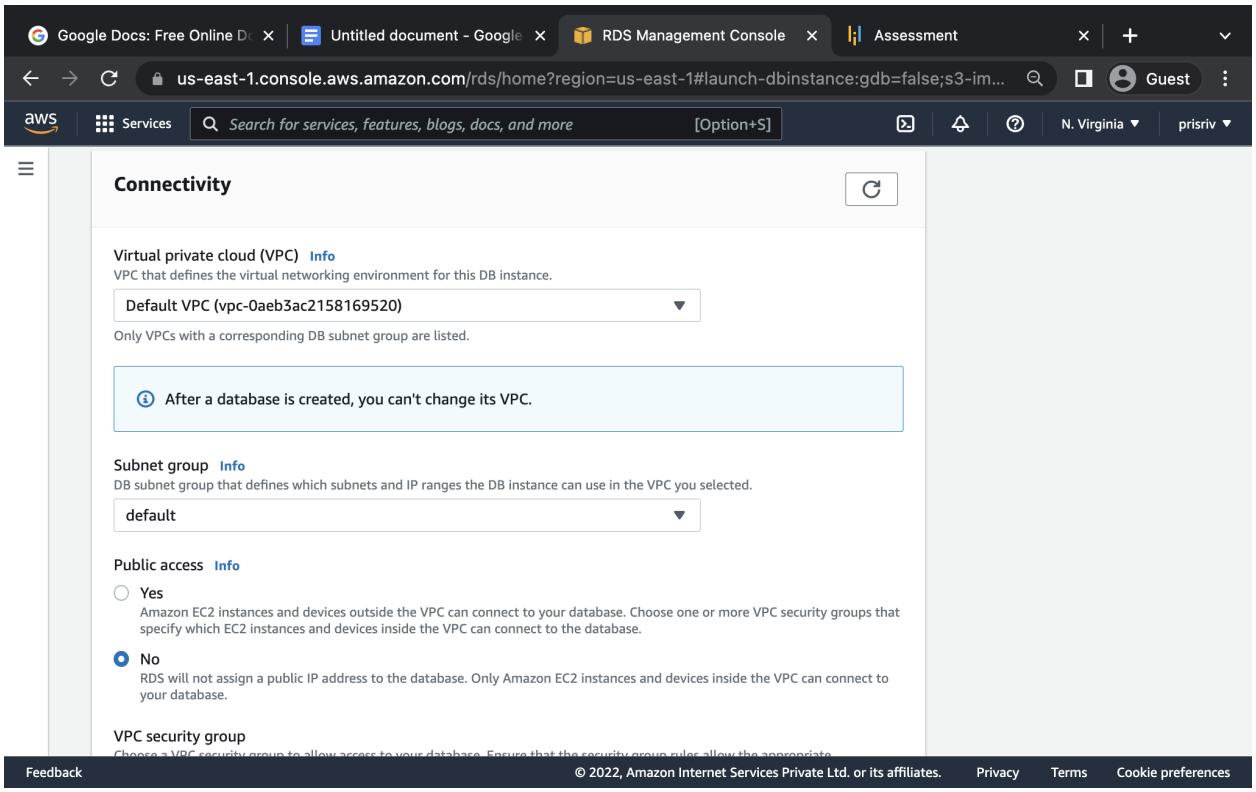
Privacy
Terms
Cookie preferences


Google Docs: Free Online D
Untitled document - Google
RDS Management Console
Assessment
us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:gdb=false;s3-im...
Guest
aws
Services
Search for services, features, blogs, docs, and more
[Option+S]
N. Virginia
prisriv
Connectivity
Virtual private cloud (VPC) Info
VPC that defines the virtual networking environment for this DB instance.
Default VPC (vpc-0aeb3ac2158169520)
Only VPCs with a corresponding DB subnet group are listed.
After a database is created, you can't change its VPC.
Subnet group Info
DB subnet group that defines which subnets and IP ranges the DB instance can use in the VPC you selected.
default
Public access Info
Yes
Amazon EC2 instances and devices outside the VPC can connect to your database. Choose one or more VPC security groups that specify which EC2 instances and devices inside the VPC can connect to the database.
No
RDS will not assign a public IP address to the database. Only Amazon EC2 instances and devices inside the VPC can connect to your database.
VPC security group
Feedback
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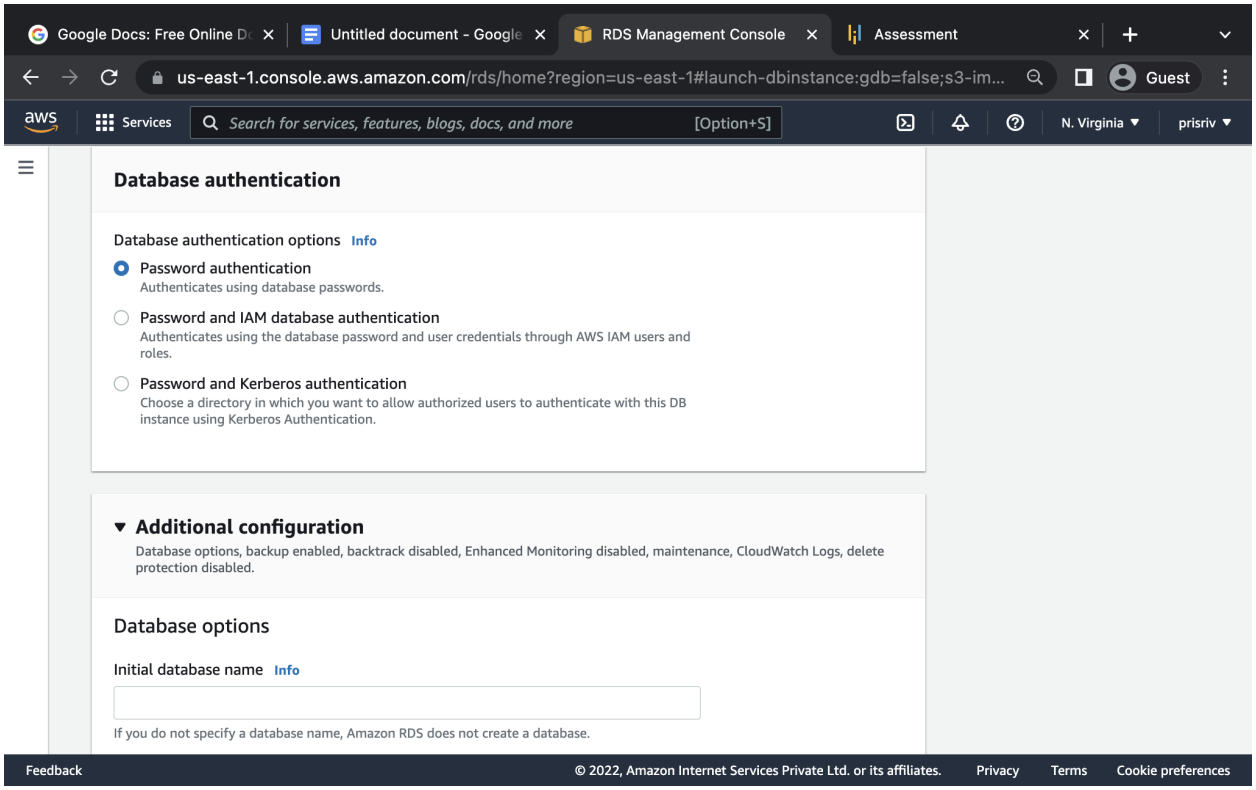
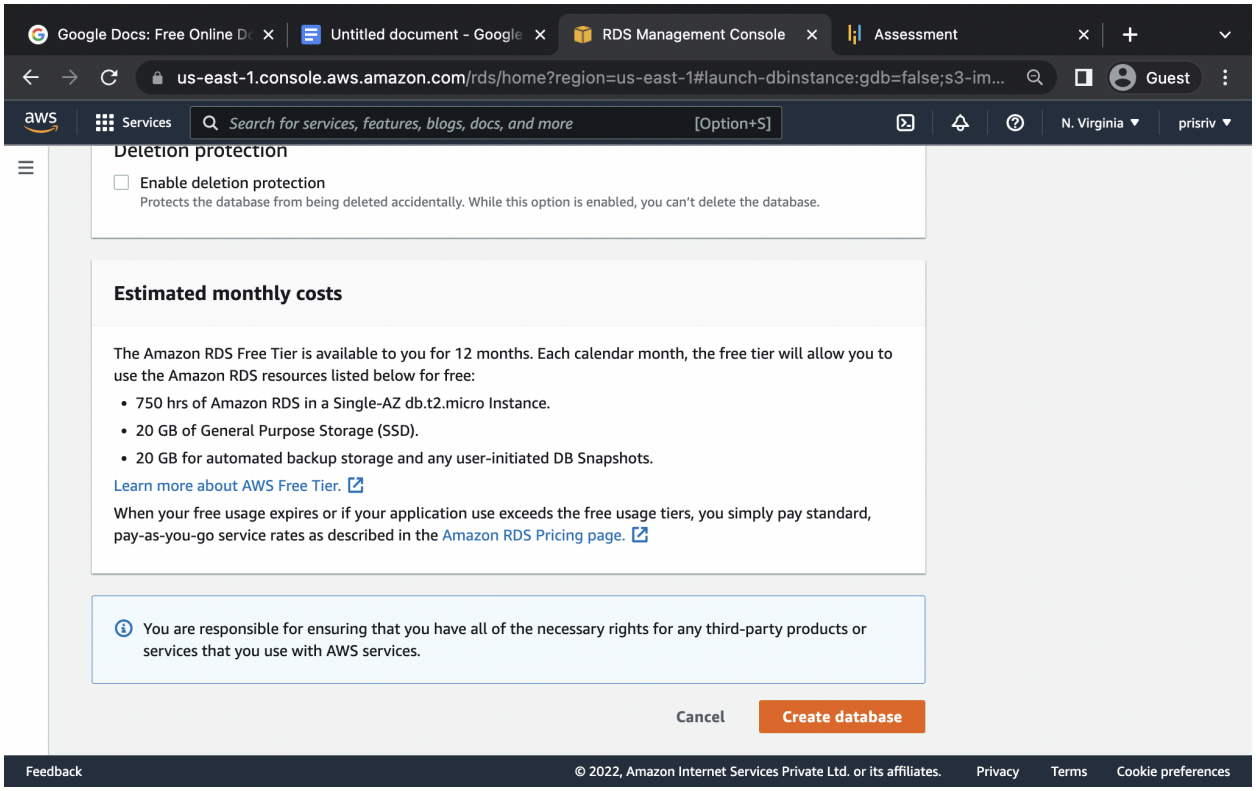
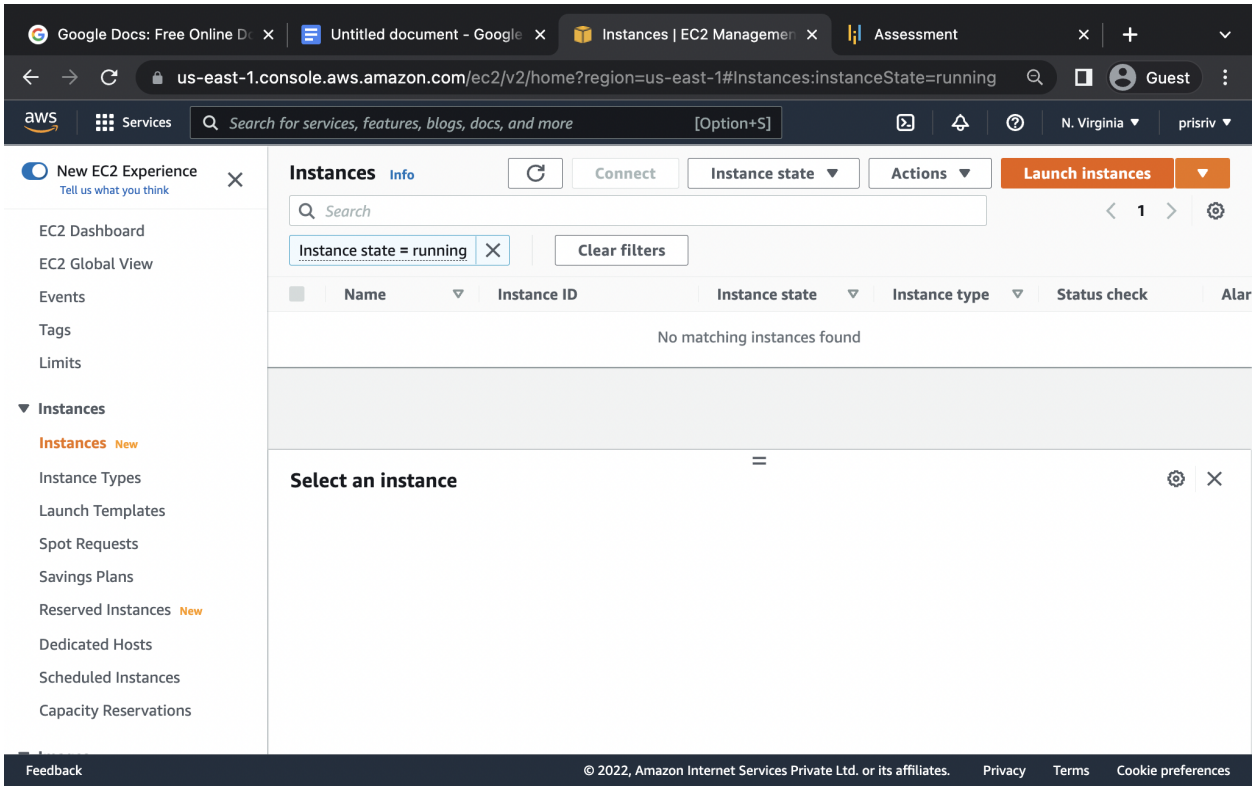


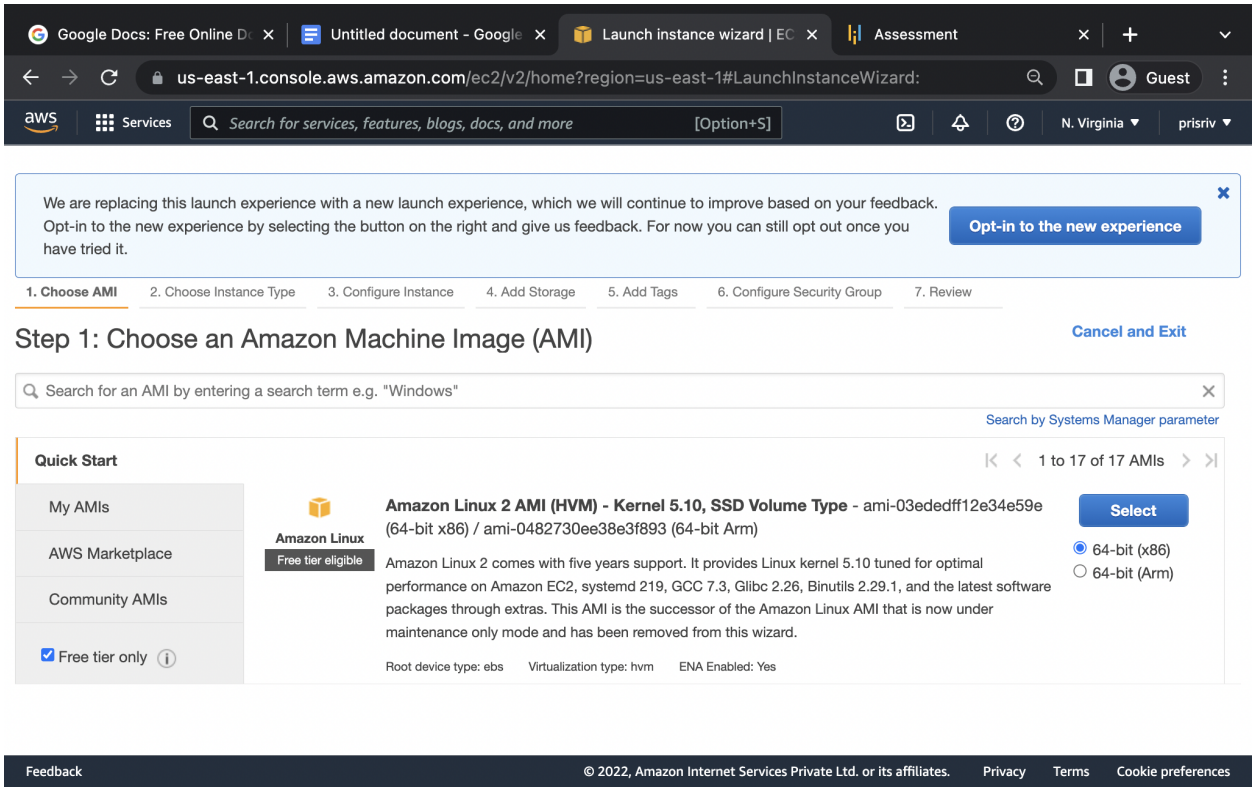
Click create database



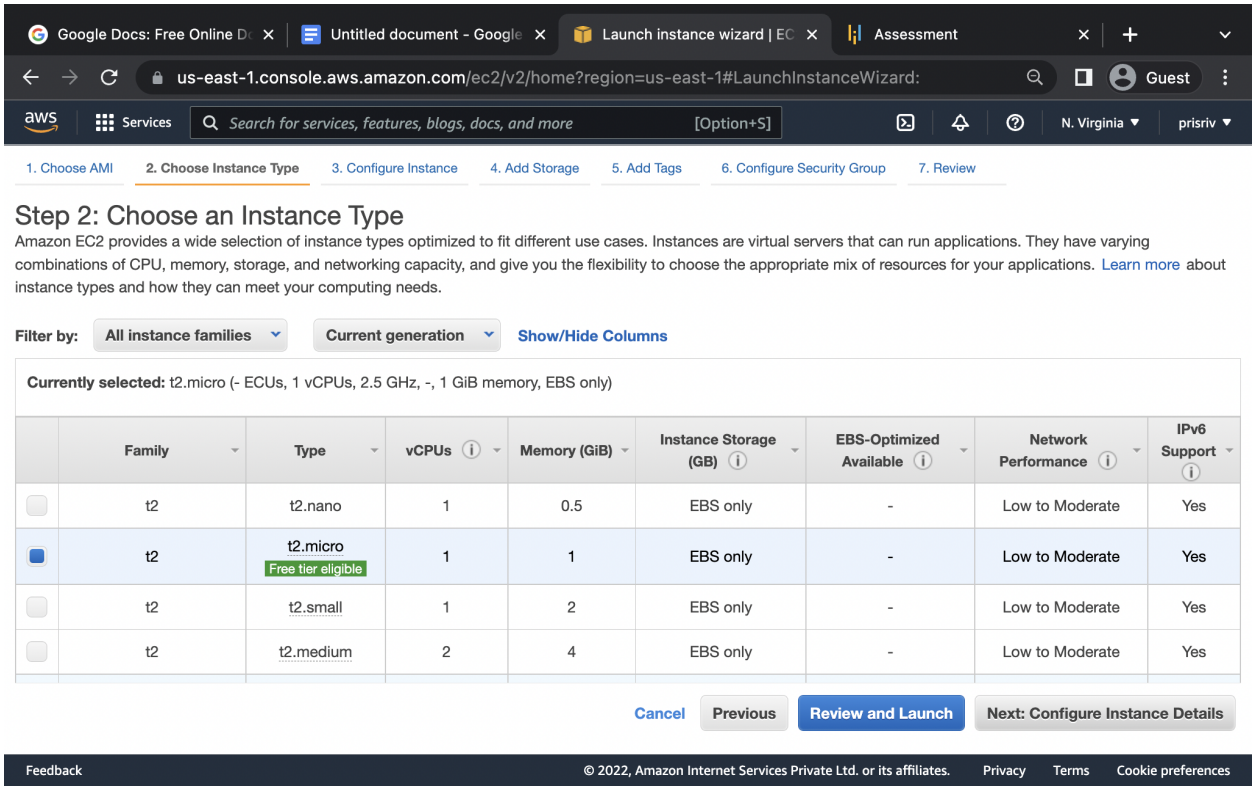
2) EC2 Instance creation:



Choose linux image



Choose t2.micro instance type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Untitled document - Google
Launch instance wizard | EC
Assessment
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Guest
aws
Services
Search for services, features, blogs, docs, and more
[Option+S]
N. Virginia
prisriv
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 2: Choose an Instance Type
Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. Learn more about instance types and how they can meet your computing needs.
Filter by:
All instance families
Current generation
Show/Hide Columns
Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, -, 1 GiB memory, EBS only)
Family
Type
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
IPv6 Support
t2 t2.nano 1 0.5 EBS only - Low to Moderate Yes
t2 t2.micro Free tier eligible 1 1 EBS only - Low to Moderate Yes
t2 t2.small 1 2 EBS only - Low to Moderate Yes
t2 t2.medium 2 4 EBS only - Low to Moderate Yes
Cancel
Previous
Review and Launch
Next: Configure Instance Details
Feedback
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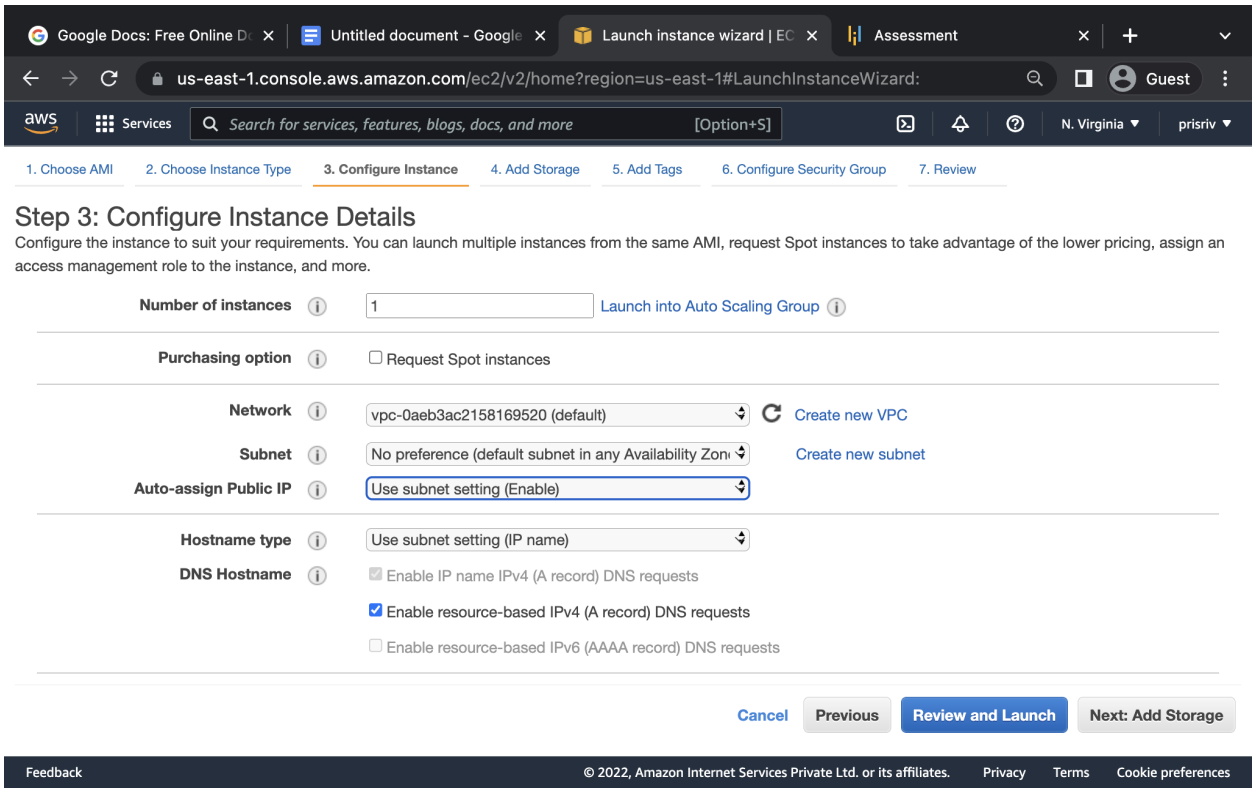
Cookie preferences


Google Docs: Free Online D
Untitled document - Google
Launch instance wizard | EC
Assessment
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Guest
aws
Services
Search for services, features, blogs, docs, and more
[Option+S]
N. Virginia
prisriv
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-0aeb3ac2158169520 (default)
Create new VPC
Subnet
No preference (default subnet in any Availability Zon
Create new subnet
Auto-assign Public IP
Use subnet setting (Enable)
Hostname type
Use subnet setting (IP name)
DNS Hostname
Enable IP name IPv4 (A record) DNS requests
Enable resource-based IPv4 (A record) DNS requests
Enable resource-based IPv6 (AAAA record) DNS requests
Cancel
Previous
Review and Launch
Next: Add Storage
Feedback
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Privacy
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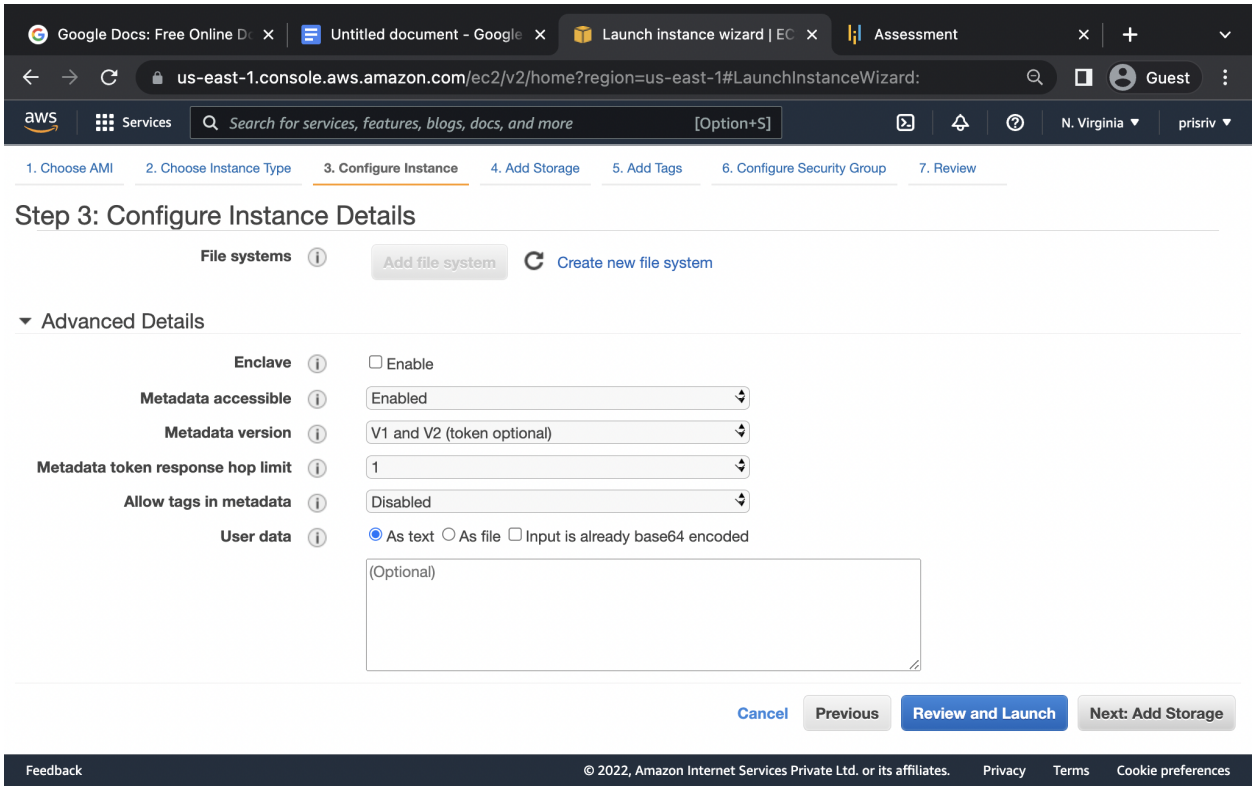
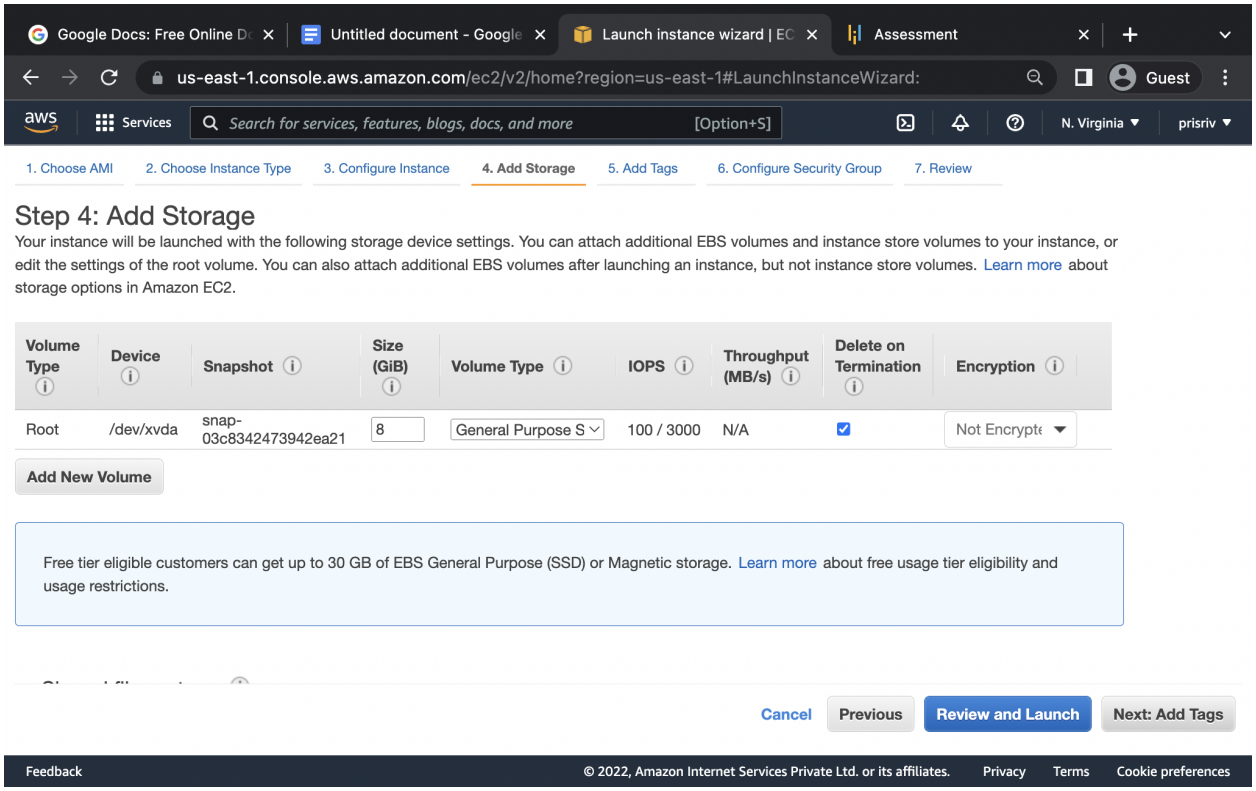
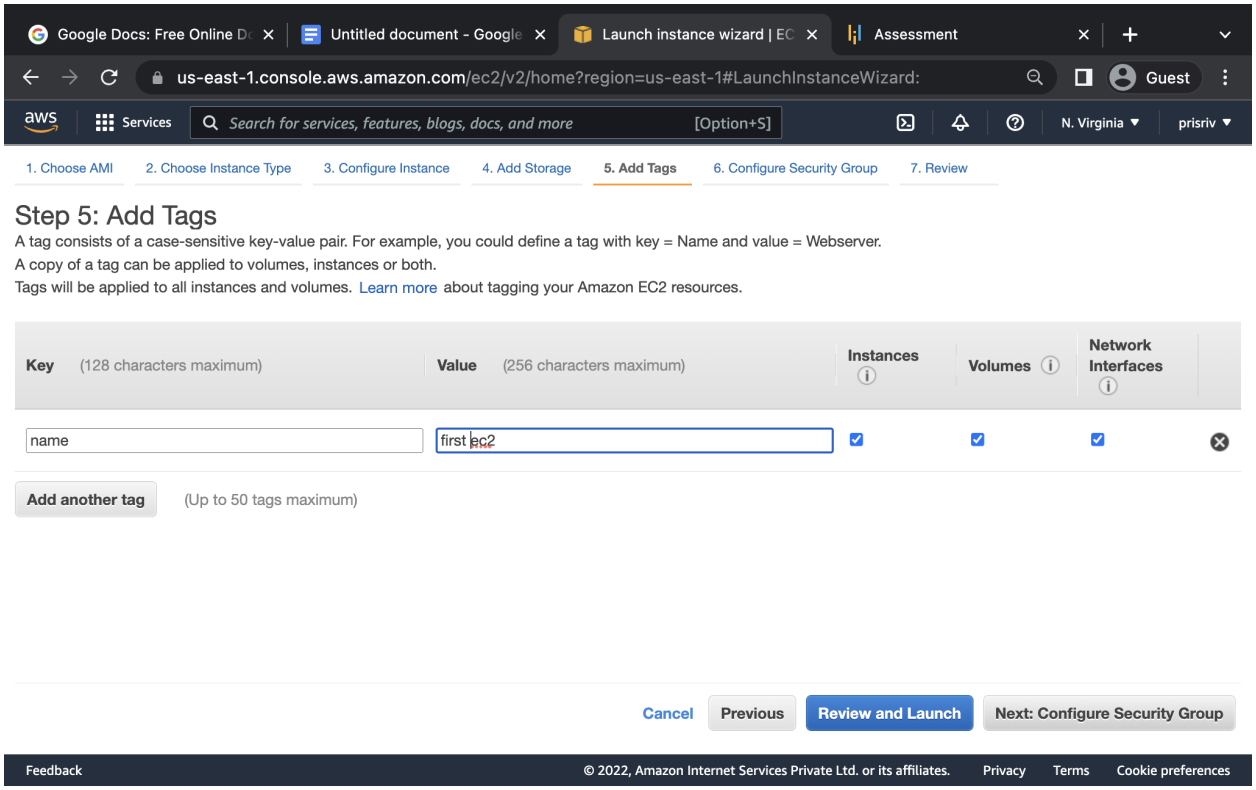


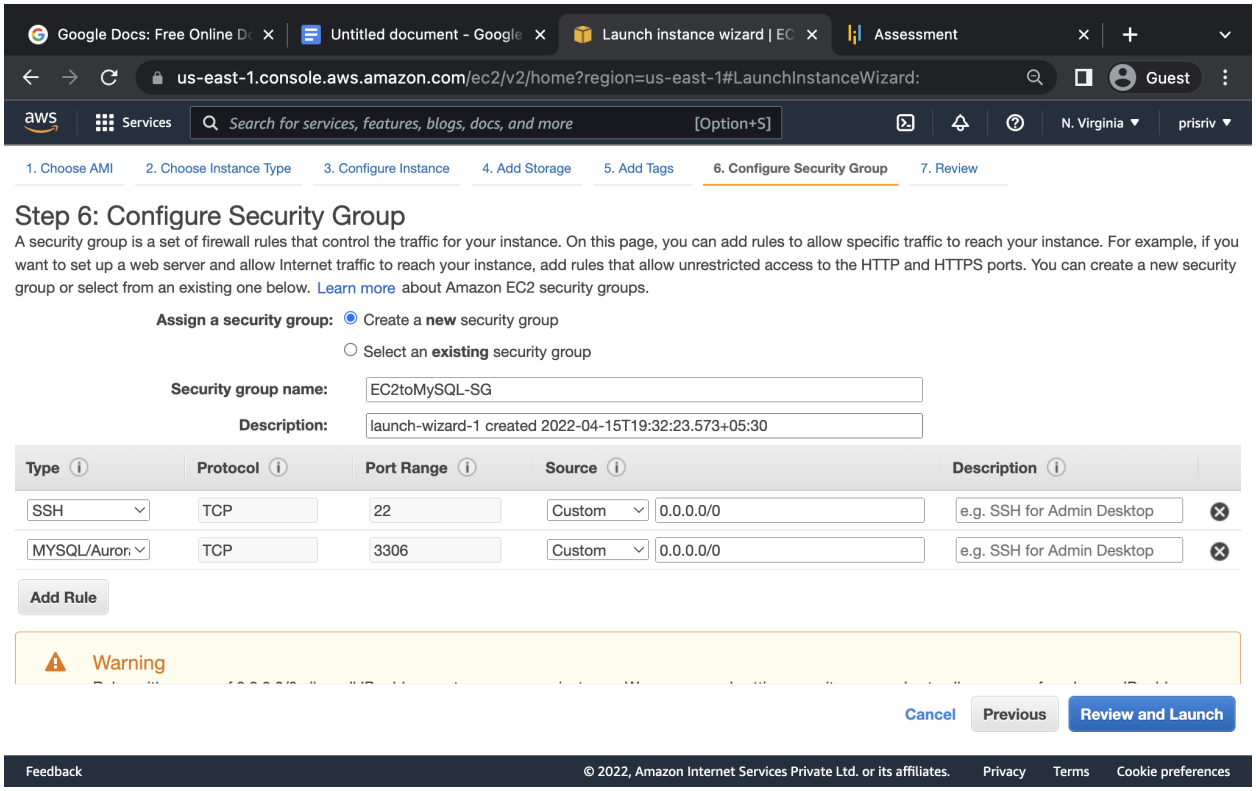
Choose general purpose SSD storage

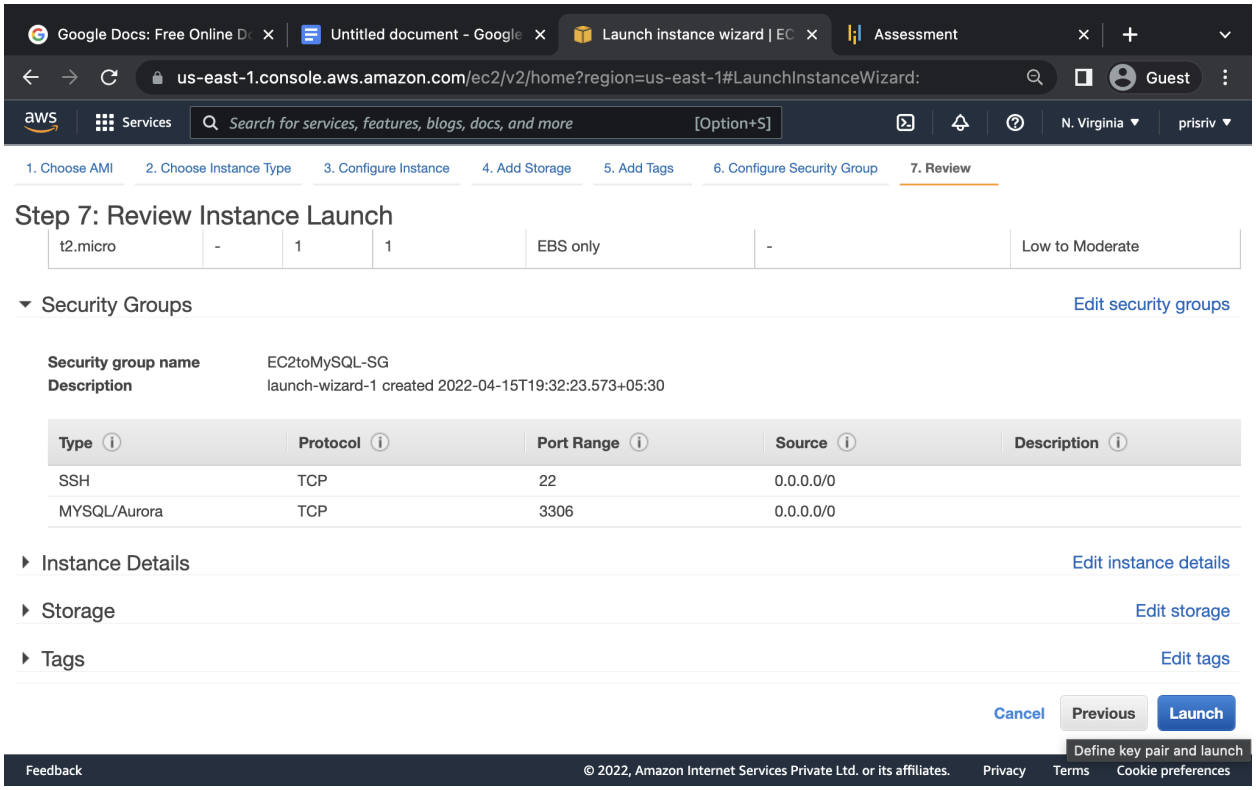


Add tags

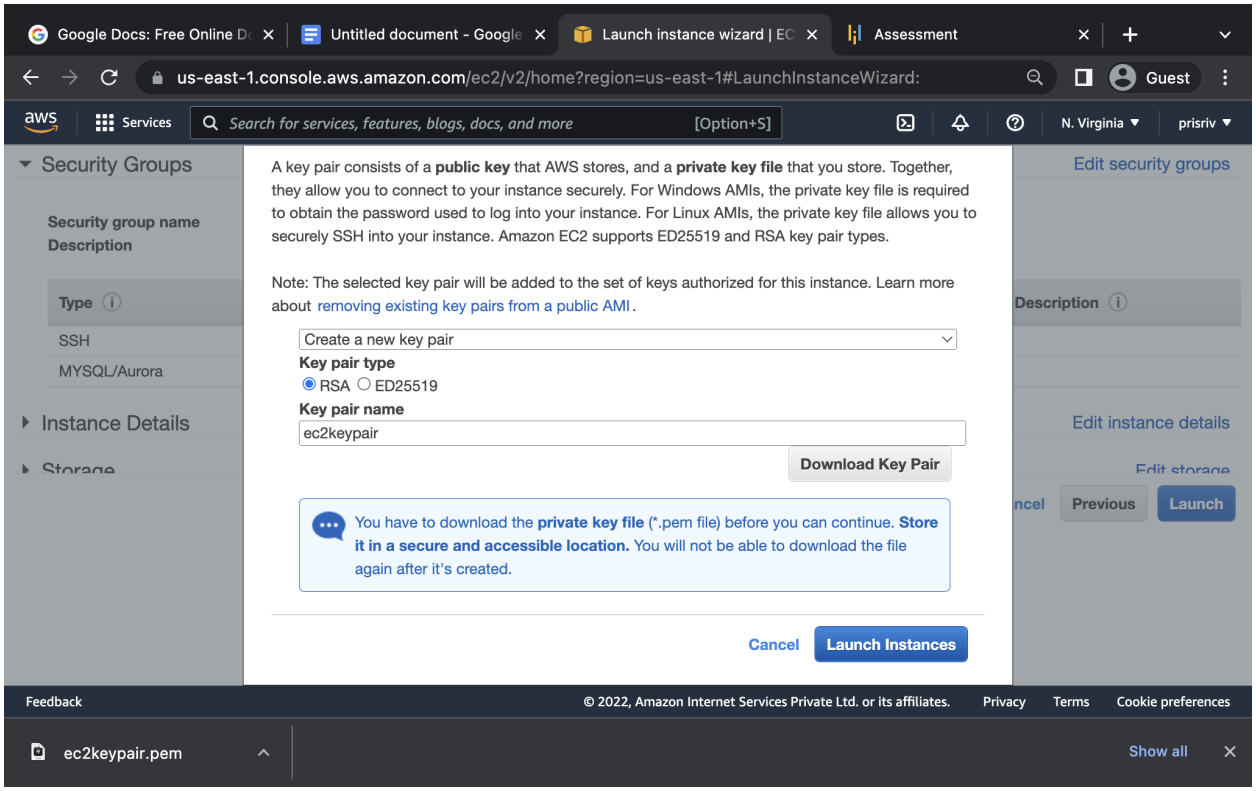


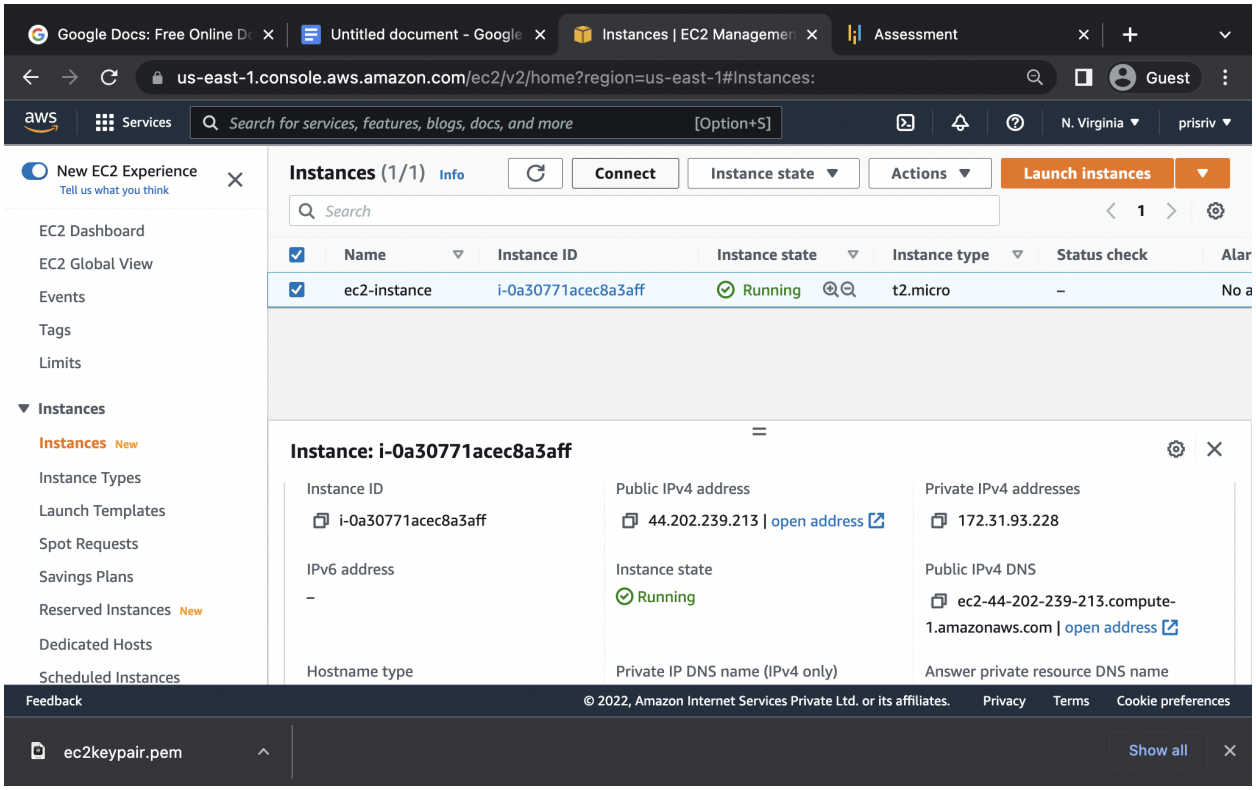
Add SSH rule for linux ec2 instance access and MySQL for DB access



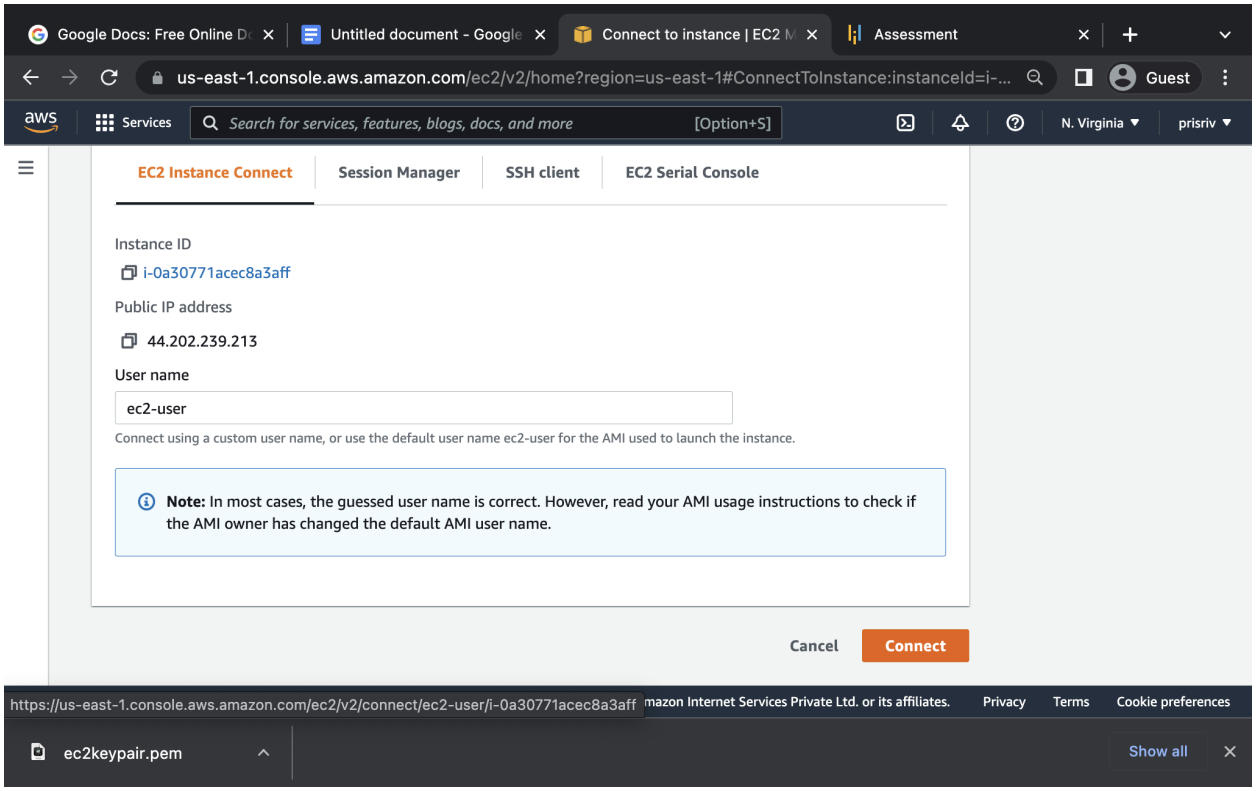


Create a new key pair for security/access.

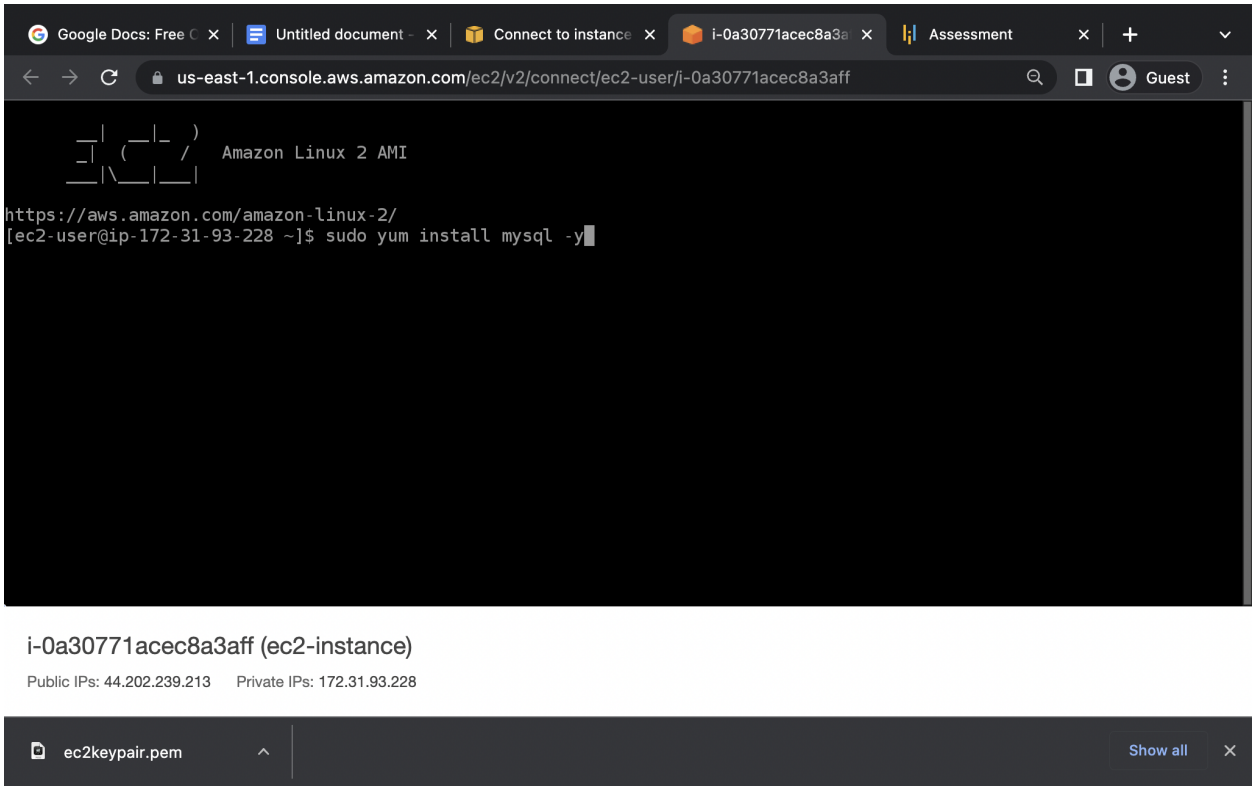




Connect to ec2 instance using ECC2 instance connect:

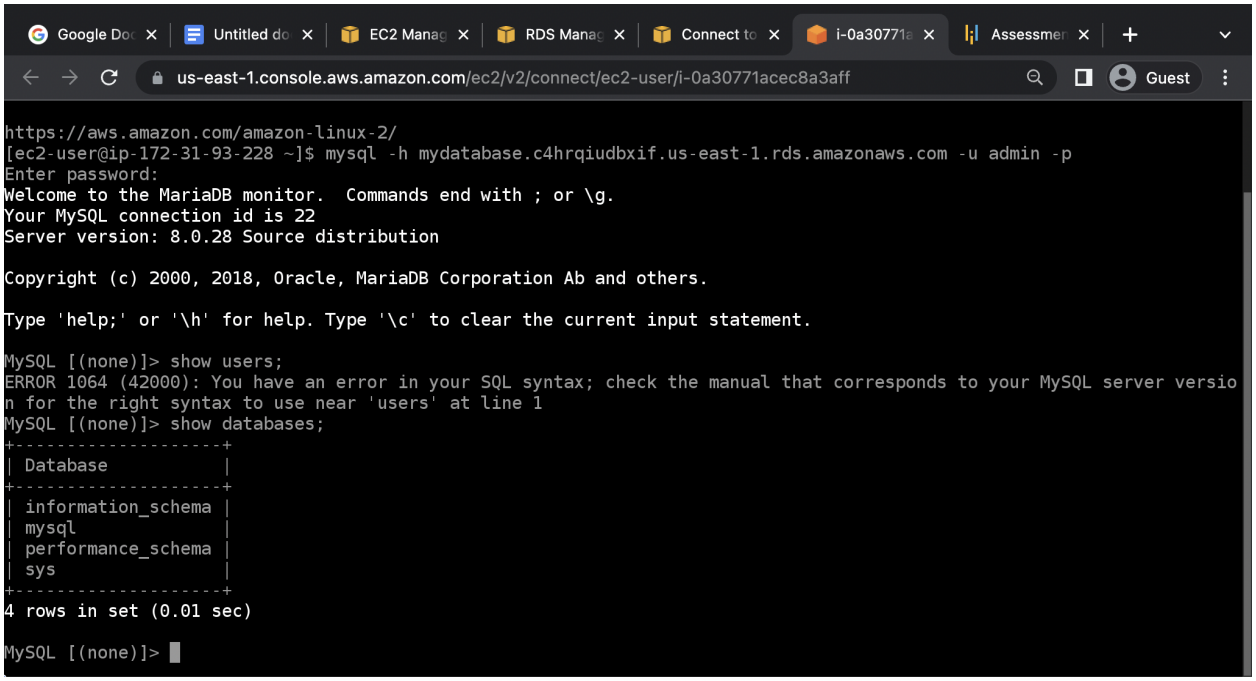


Type command to install MySQL on ec2



update inbound rule, select source as EC2toMySQLSG for RDS

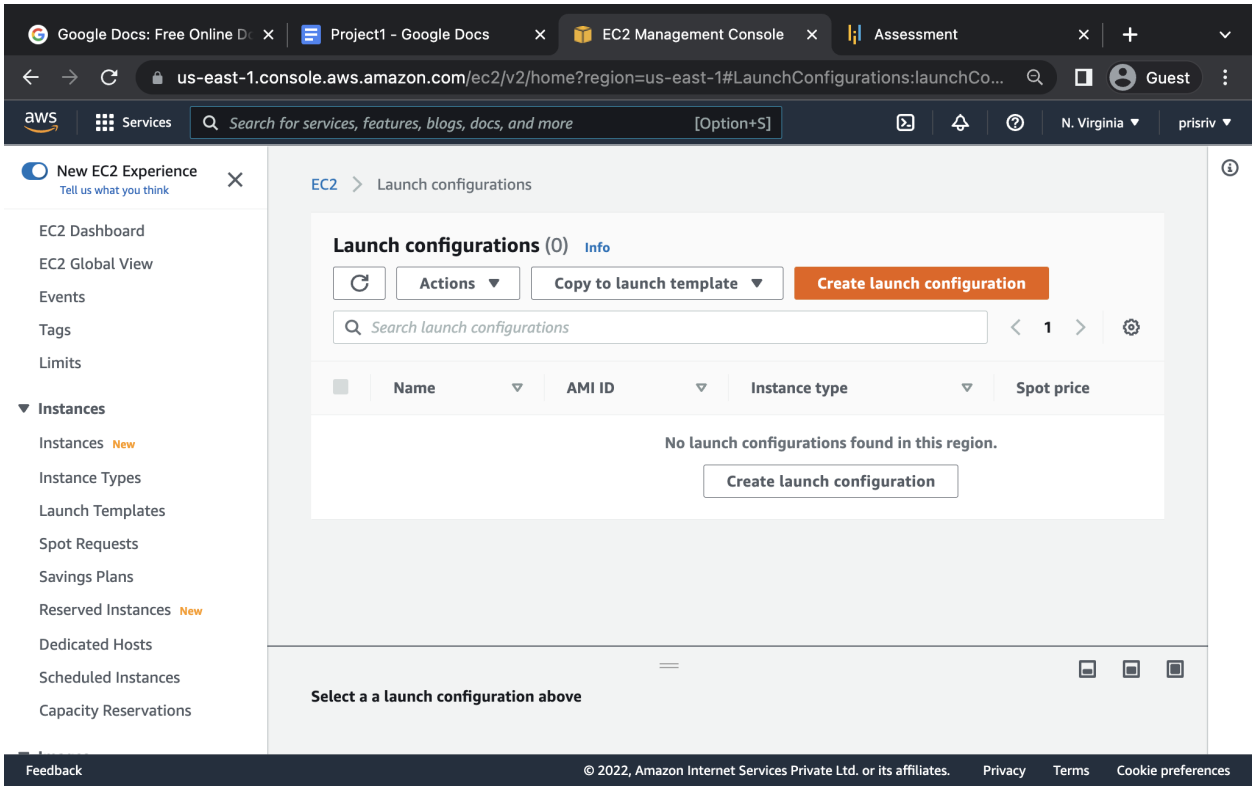
Type command to connect to RDS instance from ec2



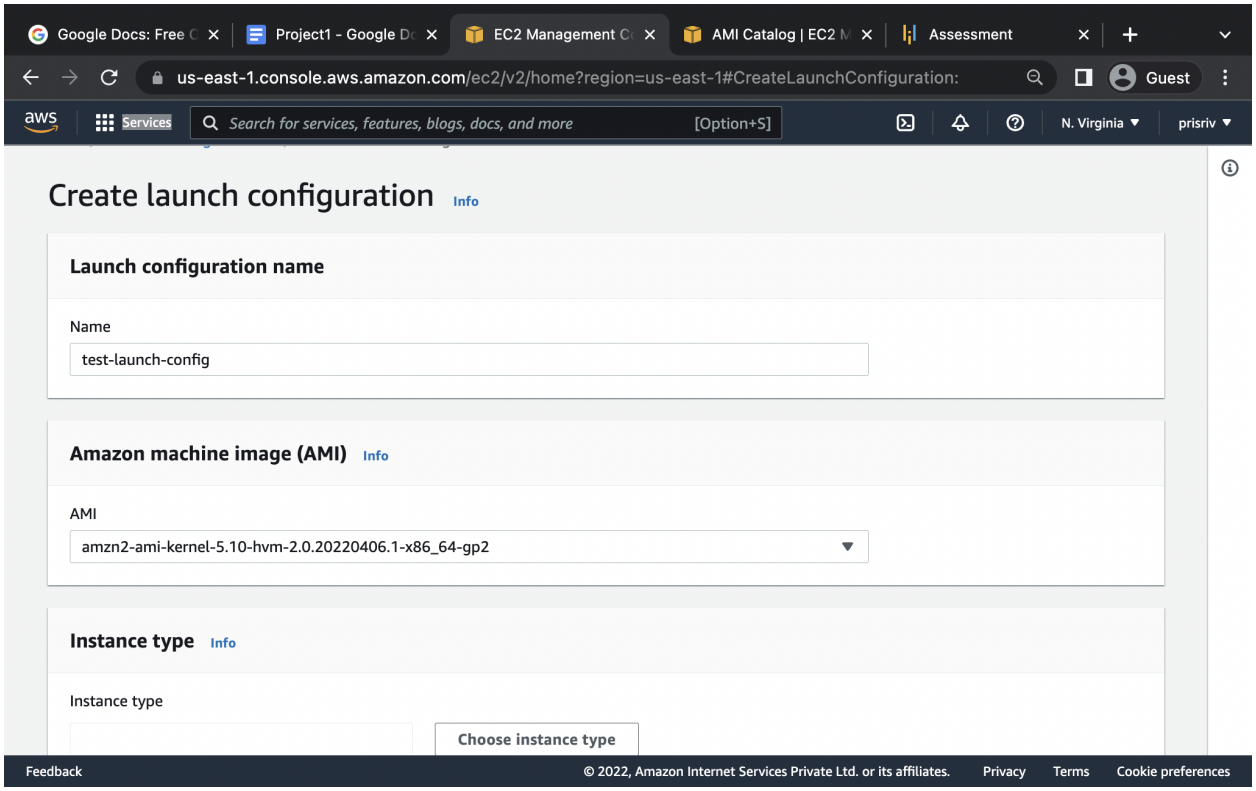
i-0a30771acec8a3aff (ec2-instance)

Public IPs: 44.202.239.213 Private IPs: 172.31.93.228

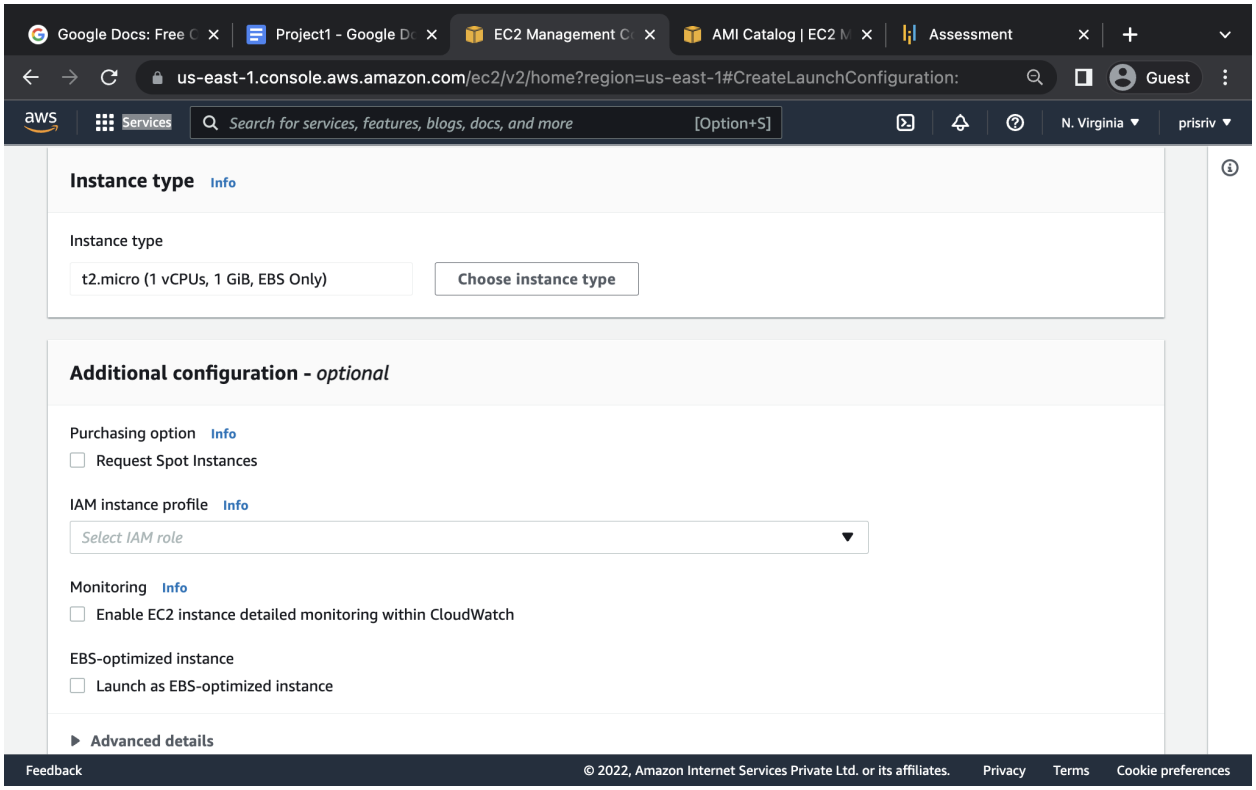
3) Create Autoscaling group:
Create launch configuration



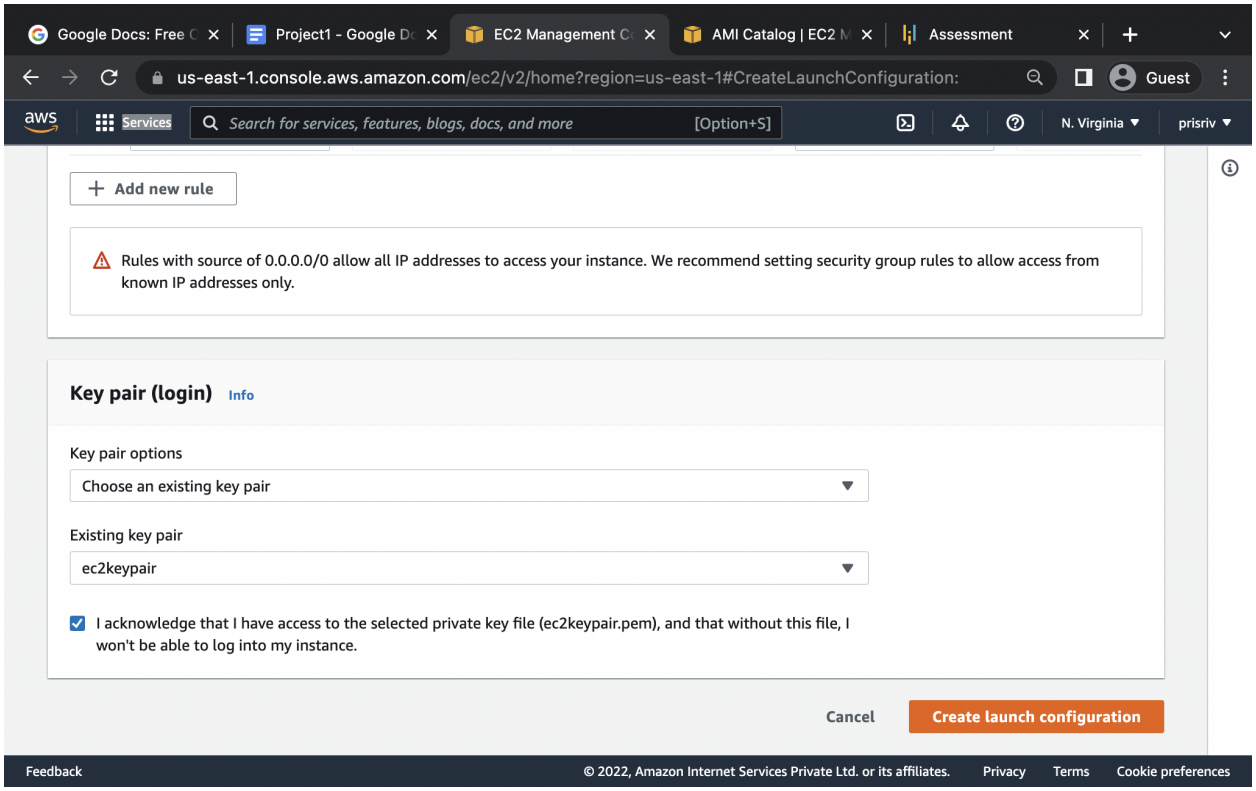
Select AMI



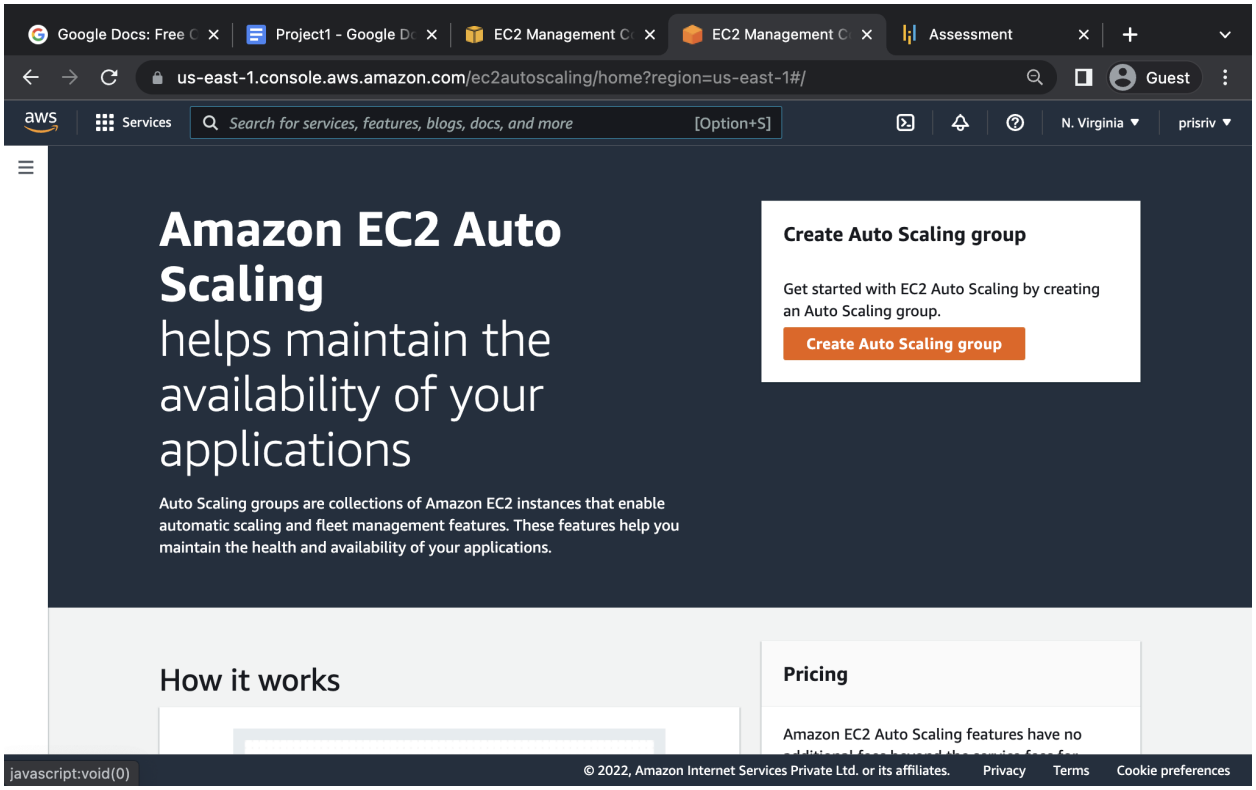
Choose t2.micro instance type

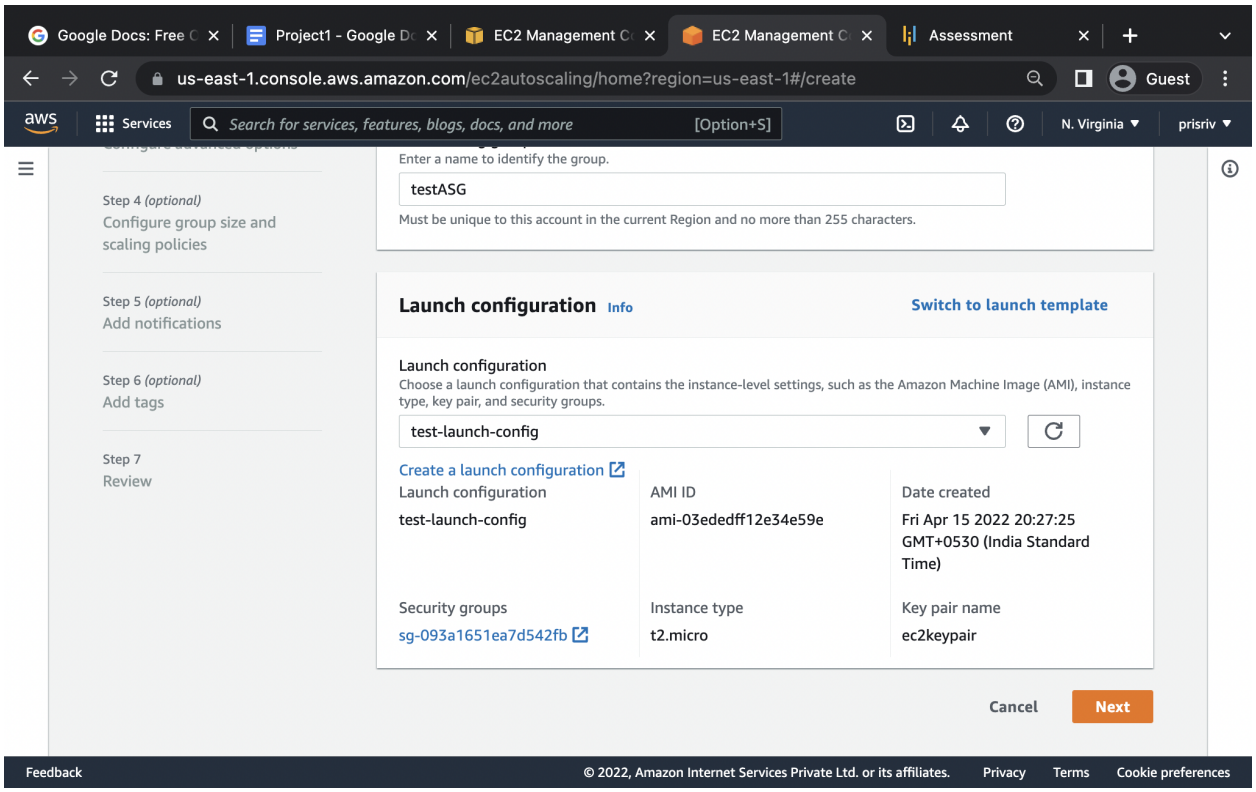


Choose keypair

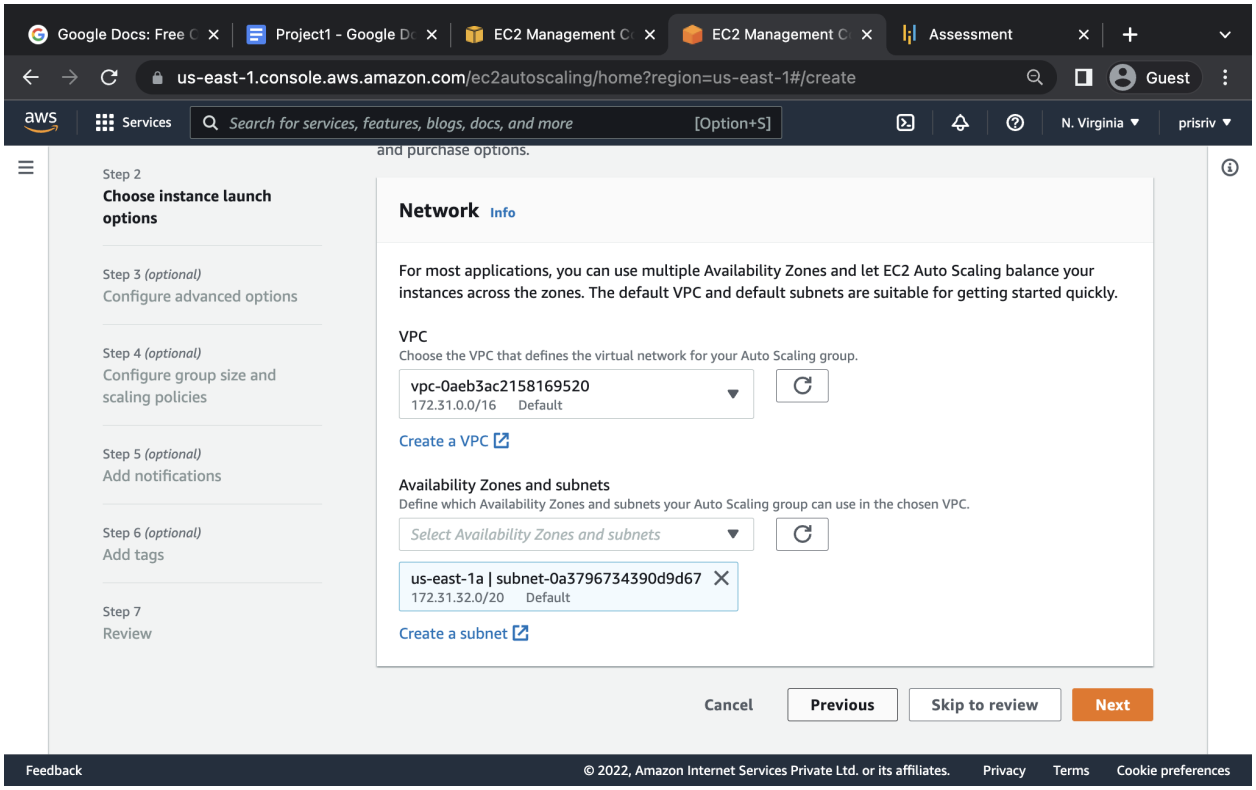


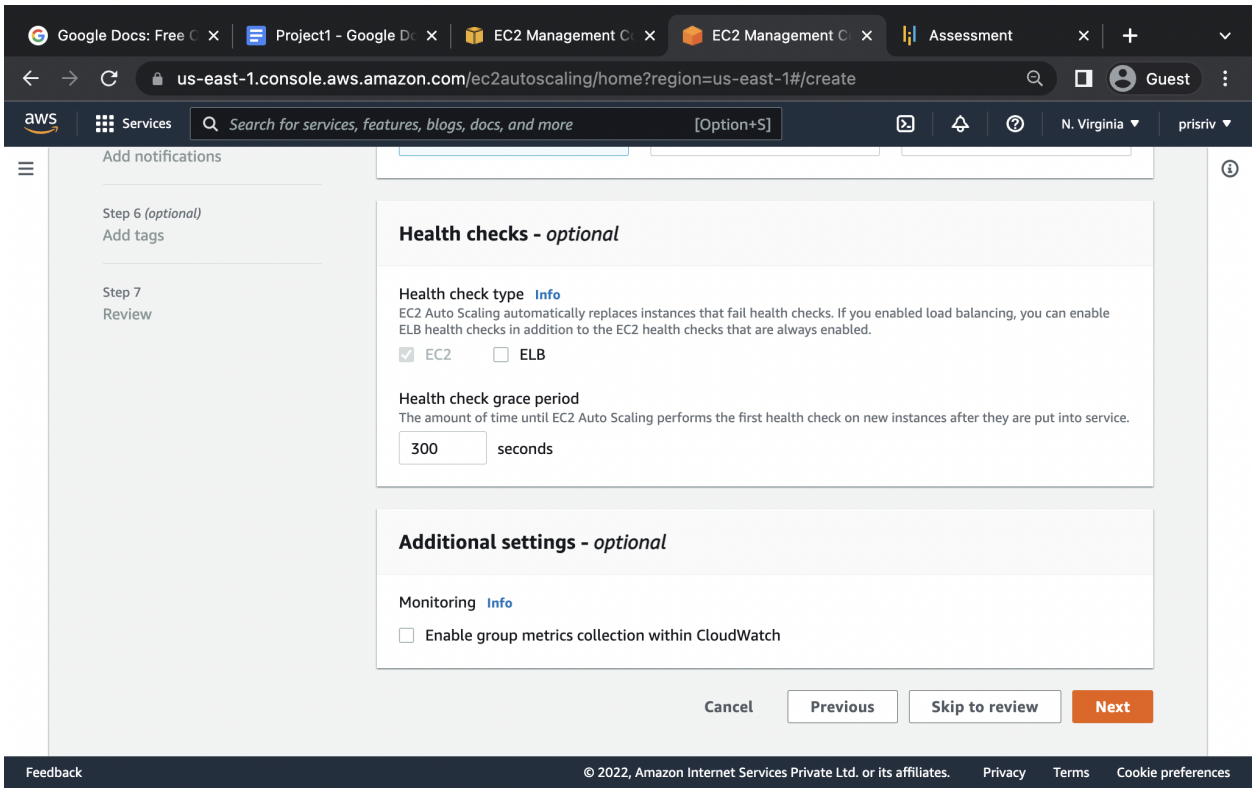
Create Auto Scaling Group



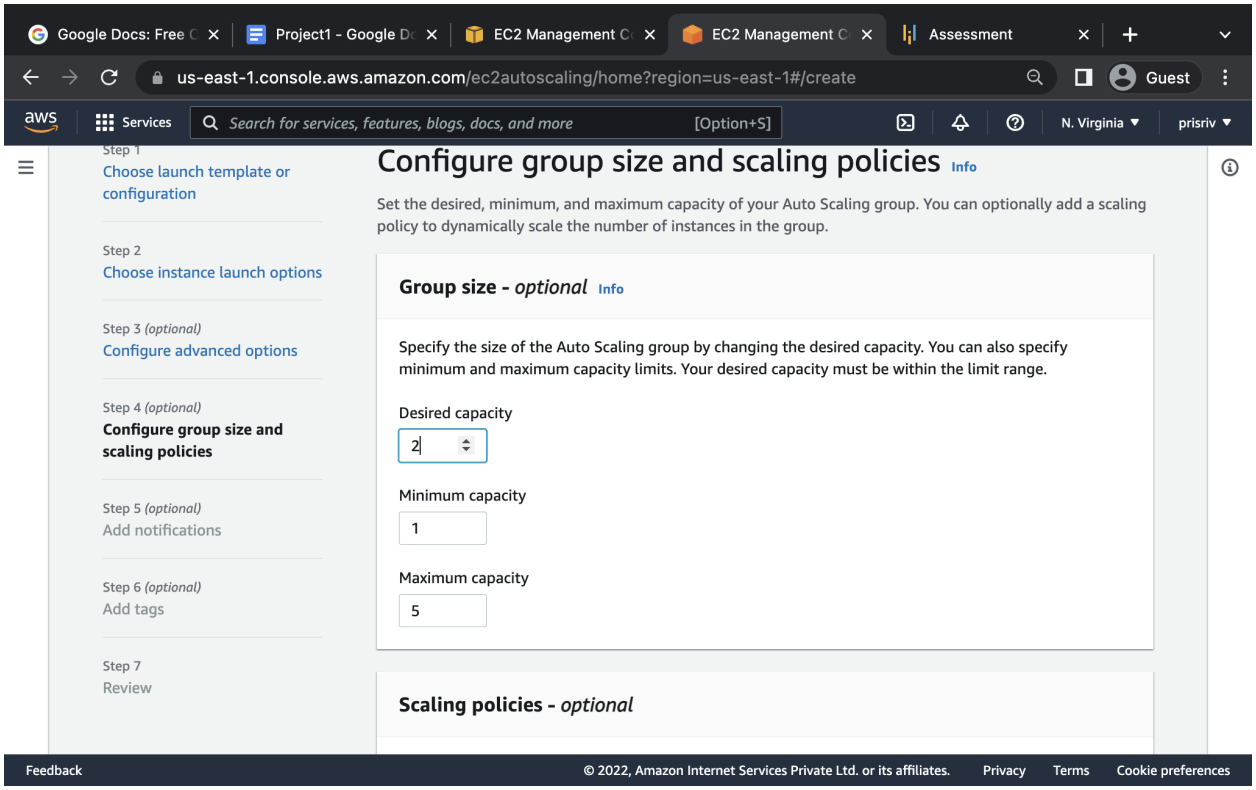


Select options

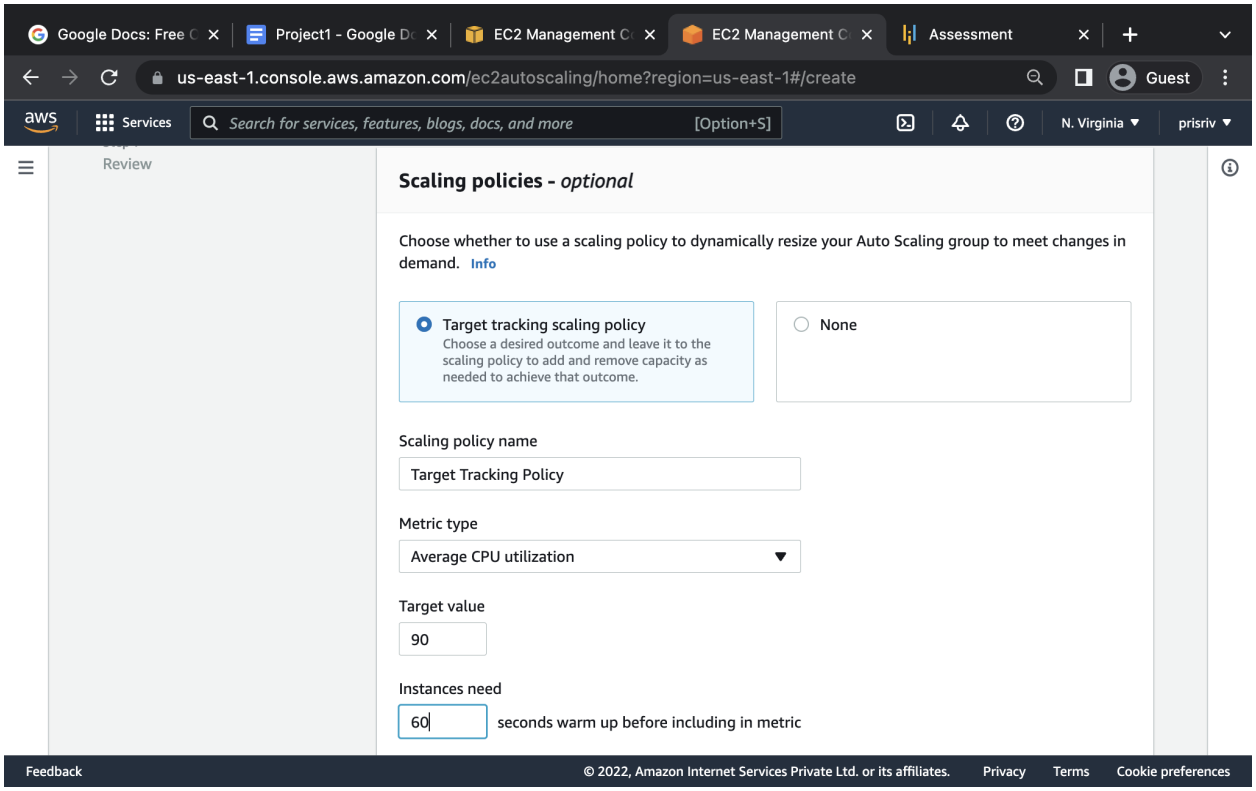


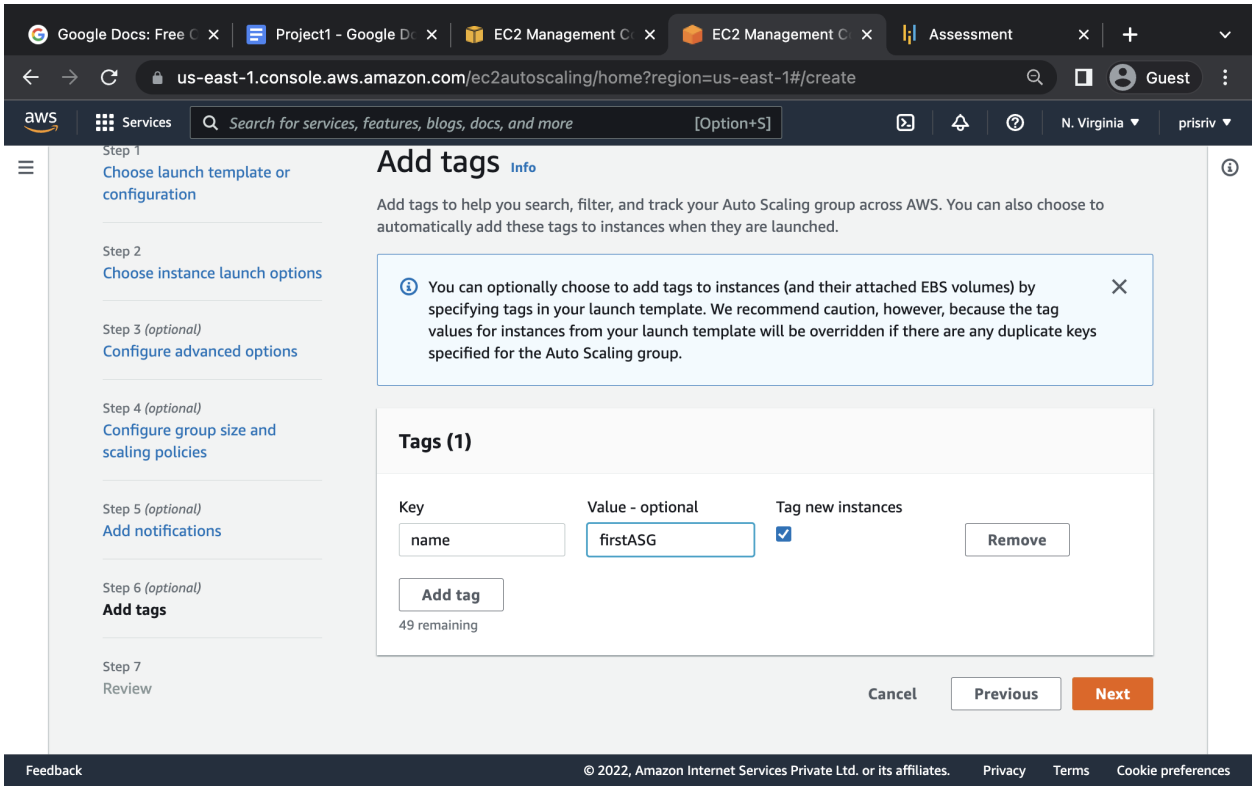


Choose group size



Select scaling policy




Google Docs: Free C
Project1 - Google Dc
EC2 Management C
EC2 Management C
Assessment
us-east-1.console.aws.amazon.com/ec2autoscaling/home?region=us-east-1#/create
Guest
aws
Services
Search for services, features, blogs, docs, and more
[Option+S]
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Step 1
Choose launch template or configuration
Step 2
Choose instance launch options
Step 3 (optional)
Configure advanced options
Step 4 (optional)
Configure group size and scaling policies
Step 5 (optional)
Add notifications
Step 6 (optional)
Add tags
Step 7
Review
Add tags Info
Add tags to help you search, filter, and track your Auto Scaling group across AWS. You can also choose to automatically add these tags to instances when they are launched.
You can optionally choose to add tags to instances (and their attached EBS volumes) by specifying tags in your launch template. We recommend caution, however, because the tag values for instances from your launch template will be overridden if there are any duplicate keys specified for the Auto Scaling group.
Tags (1)
Key
Value - optional
Tag new instances
name
firstASG
Remove
Add tag
49 remaining
Cancel
Previous
Next
Feedback
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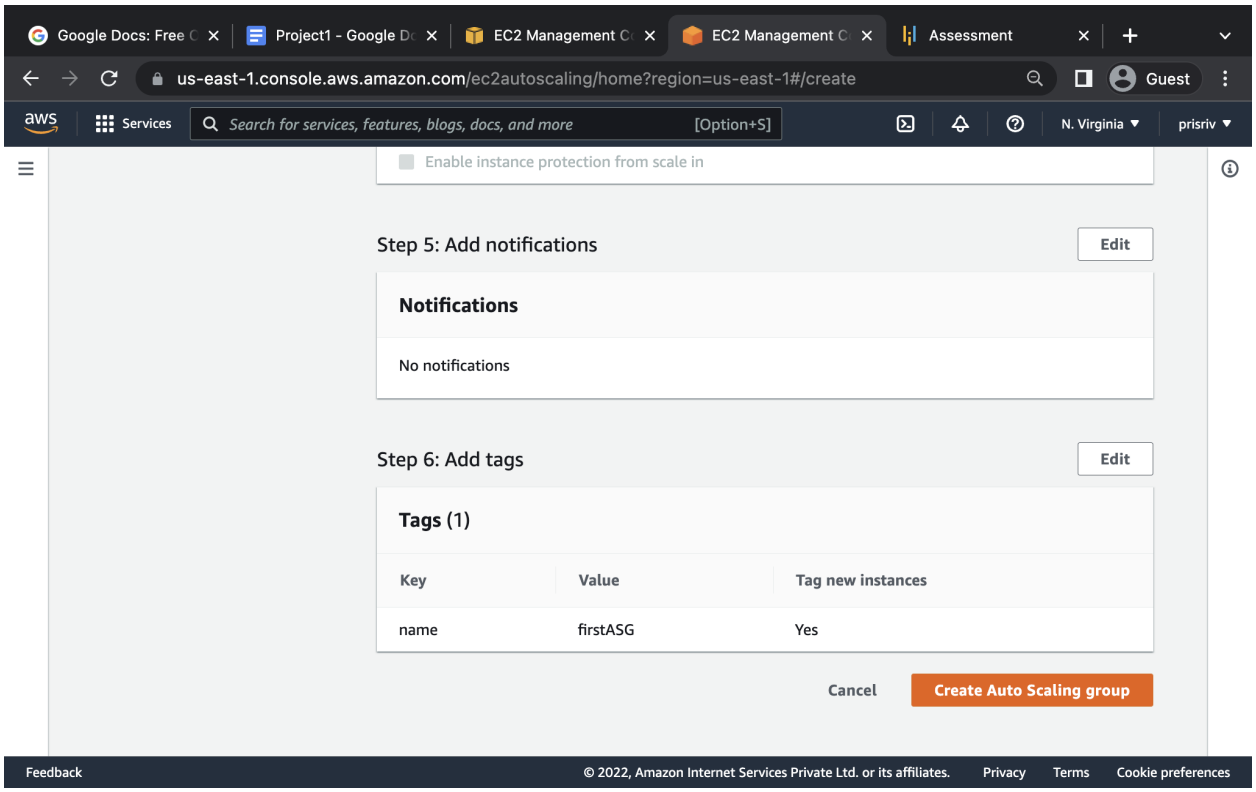
Google Docs: Free C
Project1 - Google Dc
EC2 Management C
EC2 Management C
Assessment
us-east-1.console.aws.amazon.com/ec2autoscaling/home?region=us-east-1#/create
Guest
aws
Services
Search for services, features, blogs, docs, and more
[Option+S]
N. Virginia
prisriv
Enable instance protection from scale in
Step 5: Add notifications
Edit
Notifications
No notifications
Step 6: Add tags
Edit
Tags (1)
Key
Value
Tag new instances
name
firstASG
Yes
Cancel
Create Auto Scaling group
Feedback
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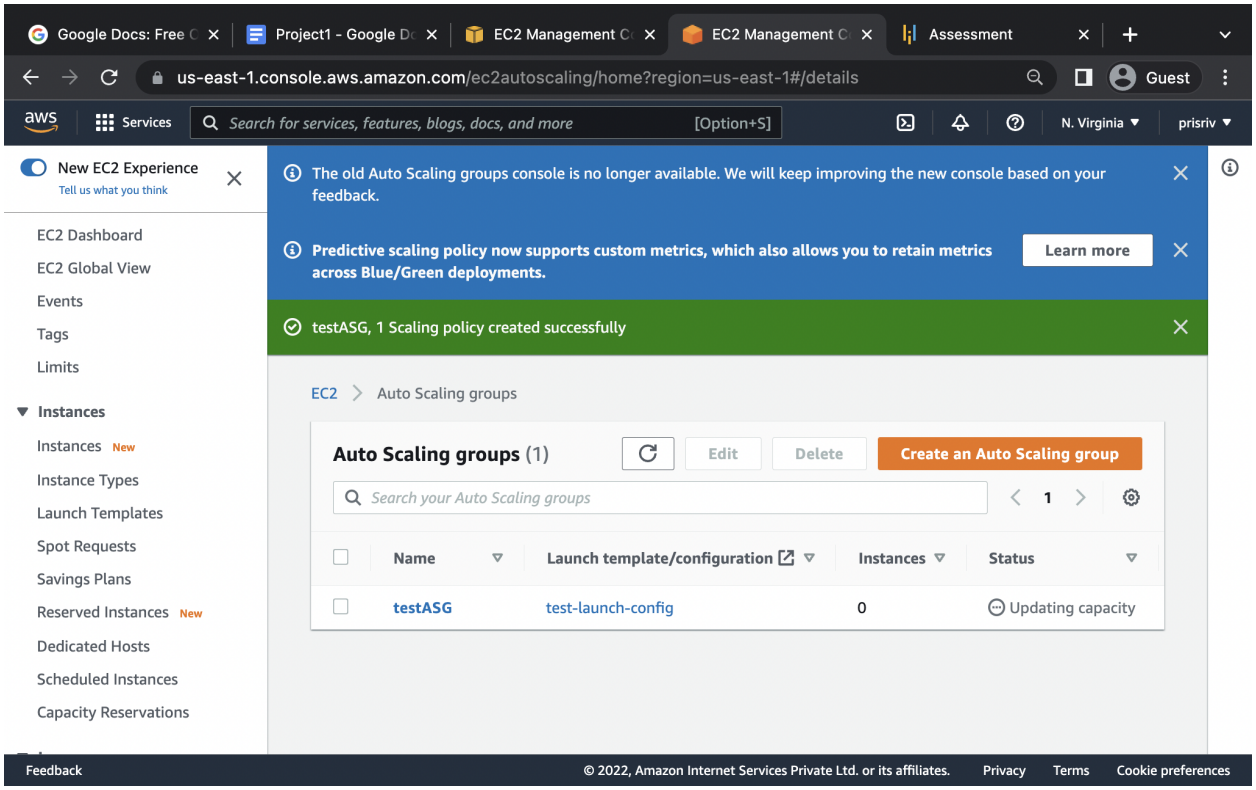

Auto scaling group created successfully