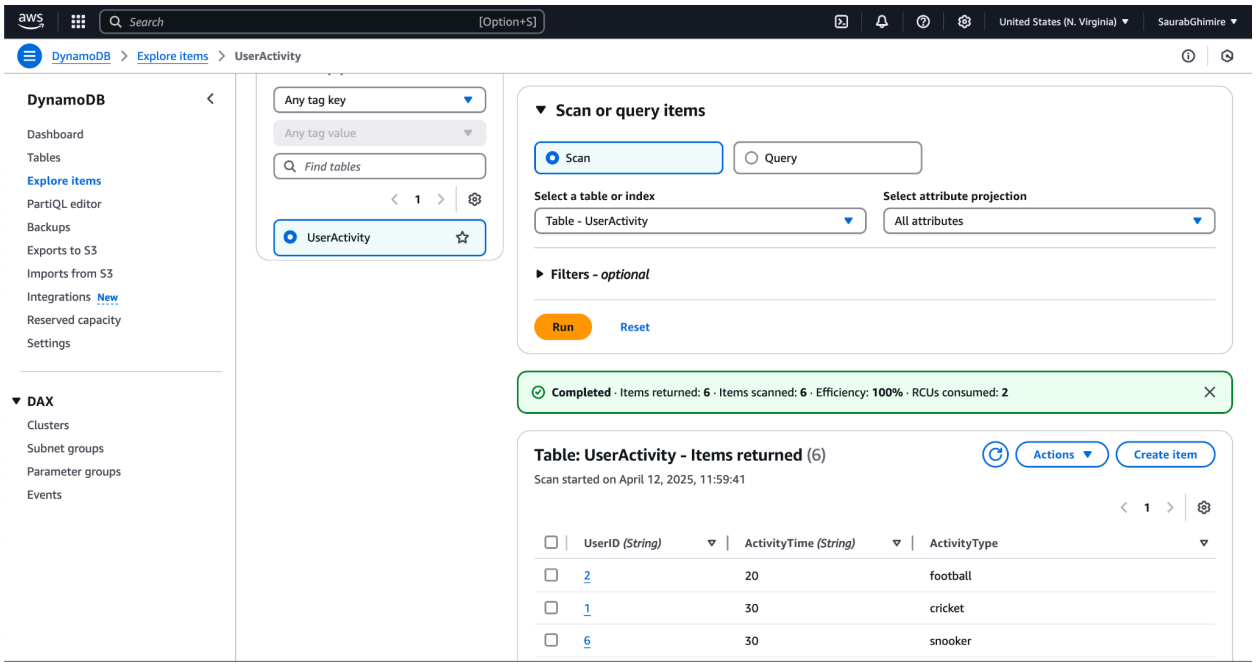
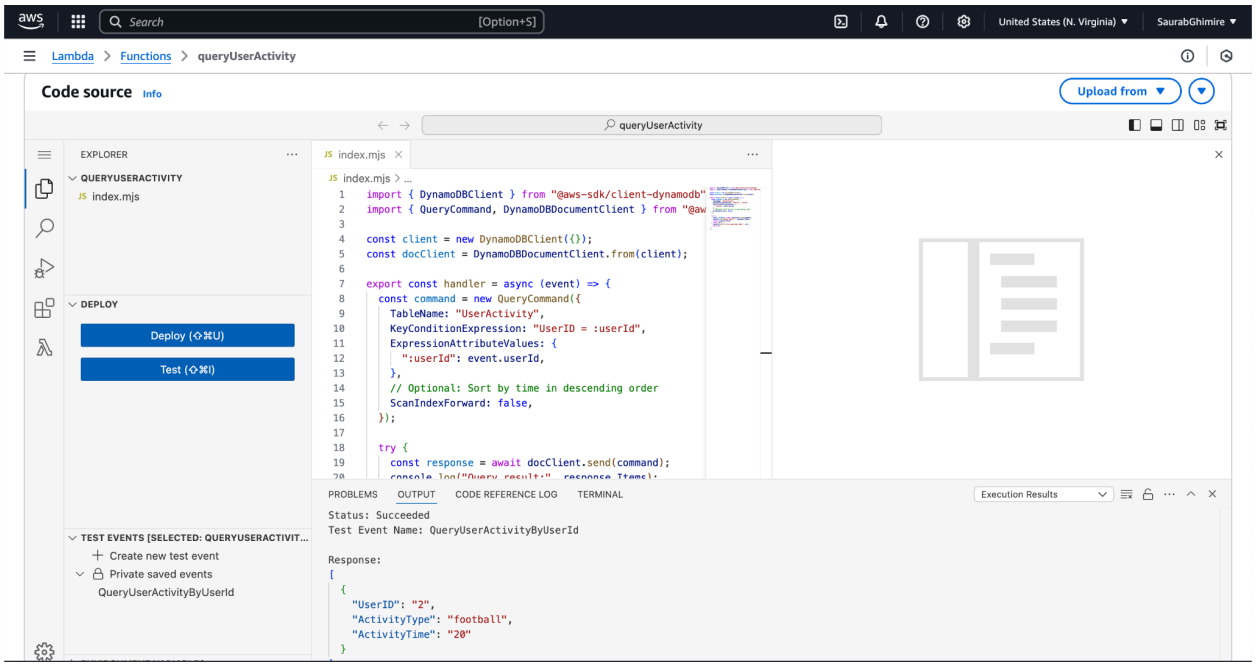
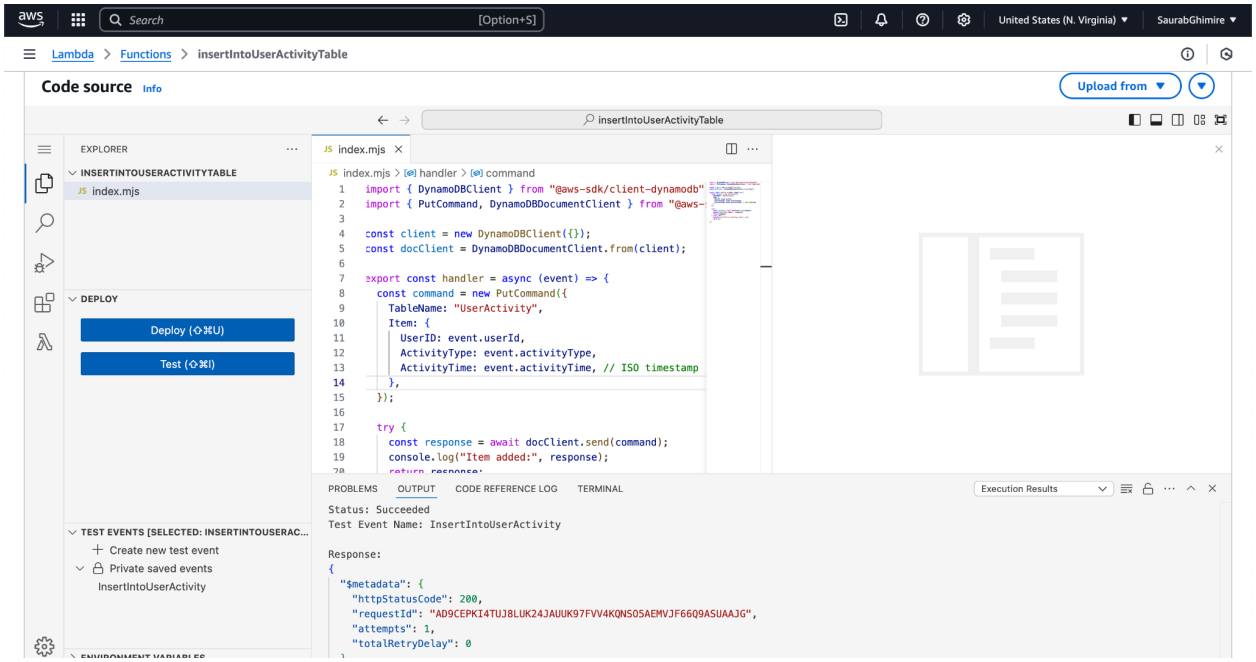
DynamoDB Table

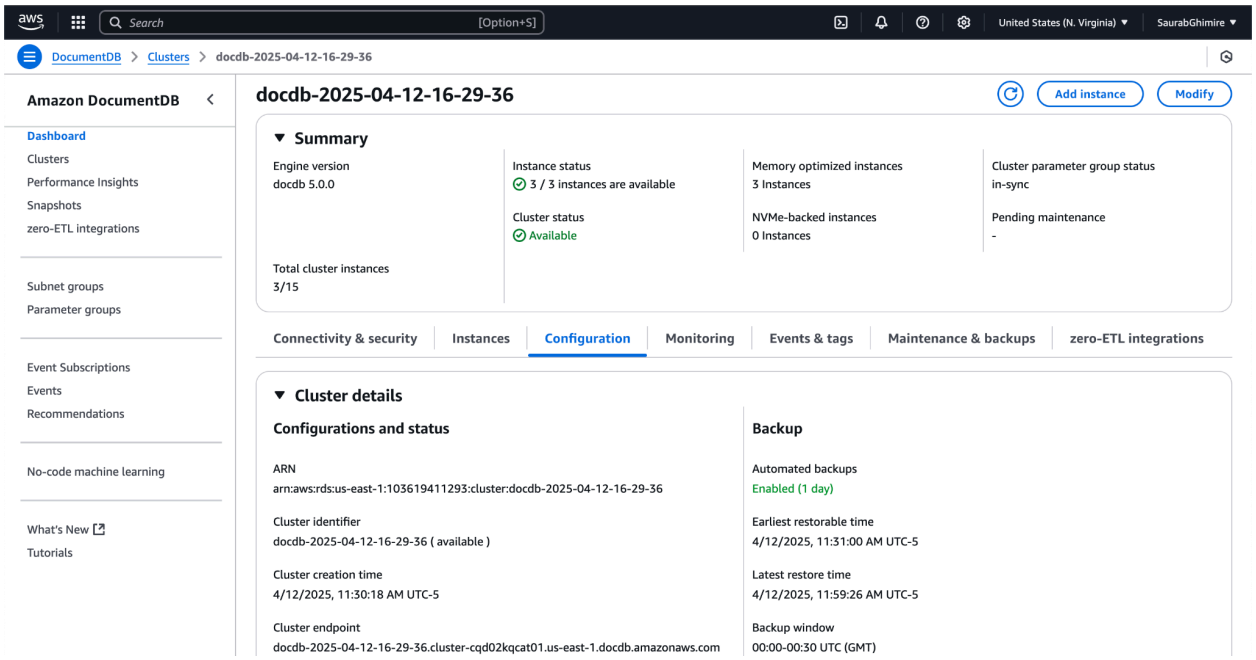


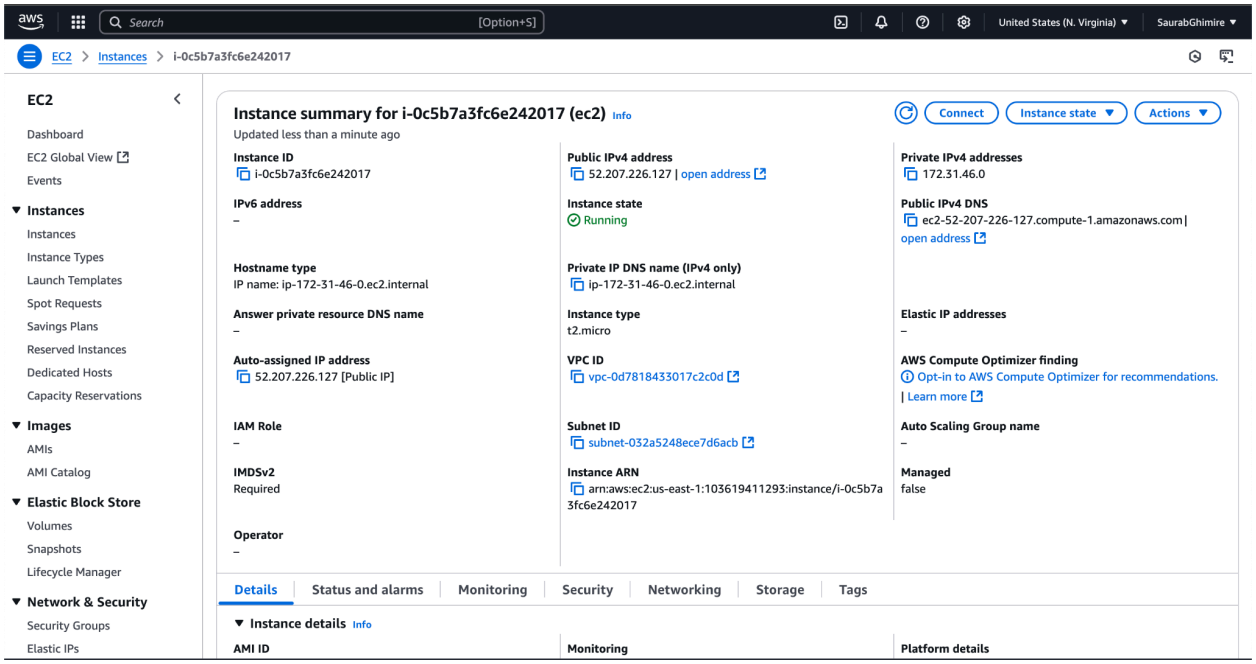
Lambda Functions to use DynamoDB





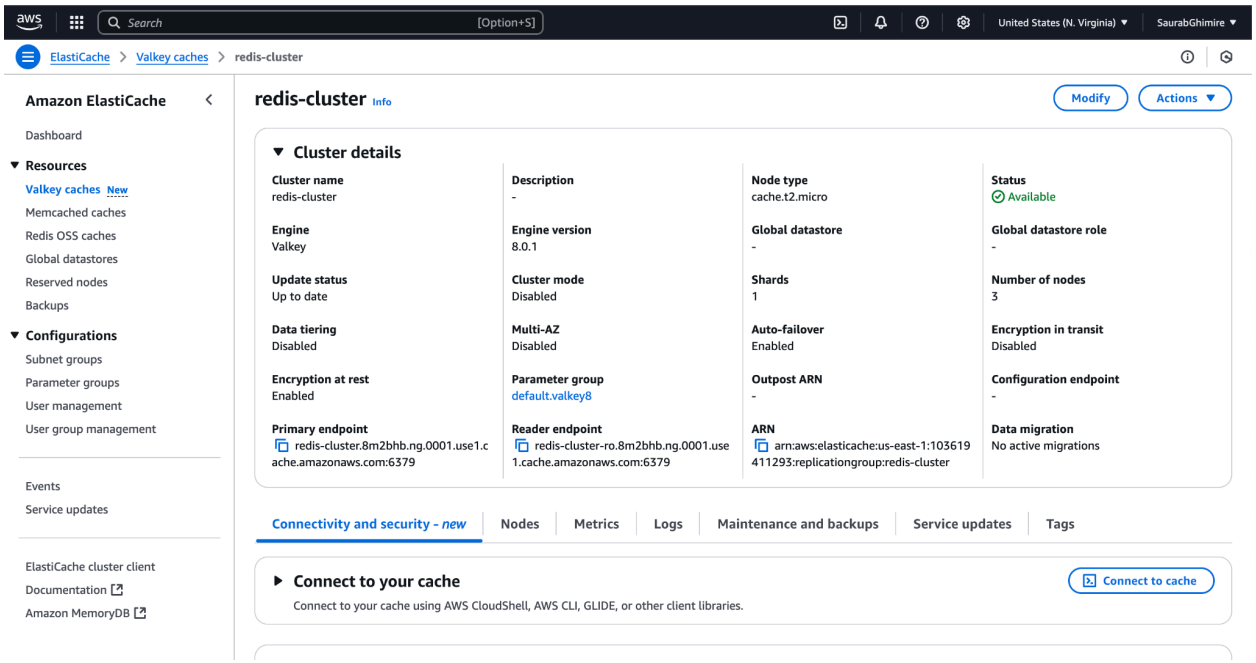
Amazon DocumentDB

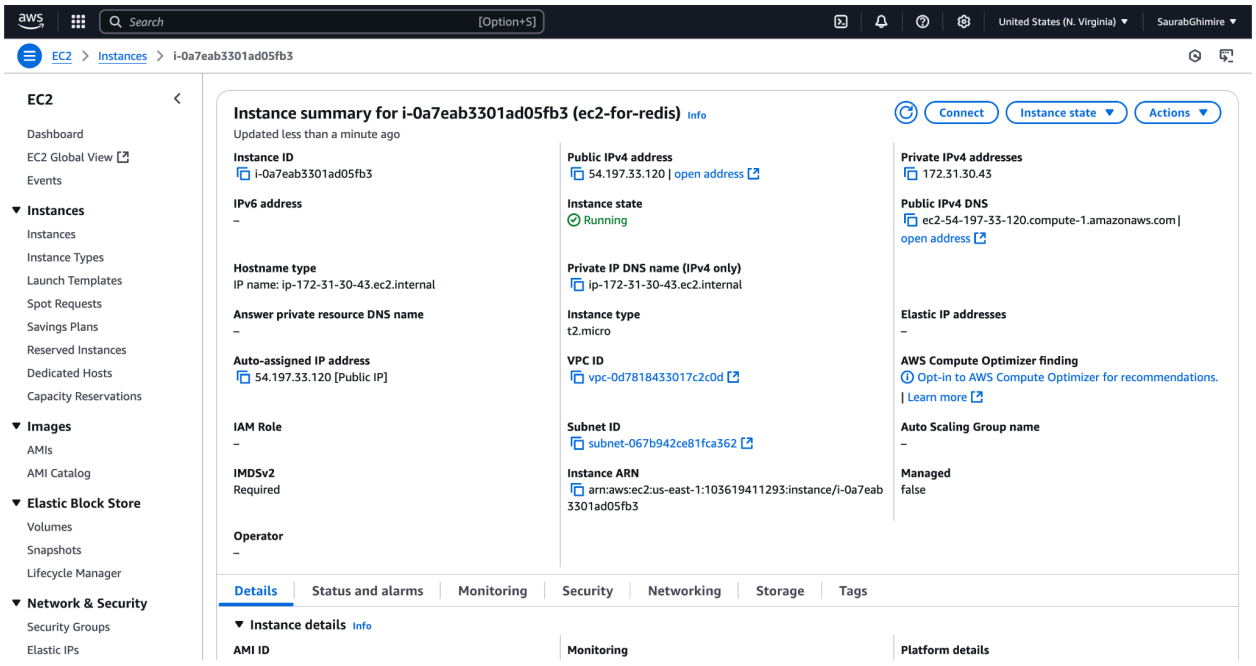





```
  nodejs-full-i18n-1:18.20.6-1.amzn2023.0.2.x86_64
  nodejs-libs-1:18.20.6-1.amzn2023.0.2.x86_64
  nodejs-npm-1:10.8.2-1.18.20.6.1.amzn2023.0.2.x86_64

Complete!
[ec2-user@ip-172-31-46-0 ~]$  git clone https://github.com/Thao-V/aws-basic-apps

Cloning into 'aws-basic-apps'...
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (15/15), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 15 (delta 2), reused 11 (delta 1), pack-reused 0 (from 0)
Receiving objects: 100% (15/15), 86.10 KiB | 17.22 MiB/s, done.
Resolving deltas: 100% (2/2), done.
[ec2-user@ip-172-31-46-0 ~]$ curl -O https://truststore.pki.rds.amazonaws.com/global/global-bundle.pem
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100  157k  100  157k    0     0  6028k      0 --:--:-- --:--:-- --:--:-- 6280k
[ec2-user@ip-172-31-46-0 ~]$ cp global-bundle.pem aws-basic-apps/node-docdb
[ec2-user@ip-172-31-46-0 ~]$ cd aws-basic-apps/node-docdb/
[ec2-user@ip-172-31-46-0 node-docdb]$ npm i

added 13 packages, and audited 14 packages in 2s

1 package is looking for funding
  run `npm fund` for details

found 0 vulnerabilities
npm notice
npm notice New major version of npm available! 10.8.2 -> 11.3.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.3.0
npm notice To update run: npm install -g npm@11.3.0
npm notice
[ec2-user@ip-172-31-46-0 node-docdb]$ nano .env
[ec2-user@ip-172-31-46-0 node-docdb]$ nano .env
[ec2-user@ip-172-31-46-0 node-docdb]$ node app.js
(node:27396) [MONGODB DRIVER] Warning: useNewUrlParser is a deprecated option: useNewUrlParser has no effect since Node.js
Driver version 4.0.0 and will be removed in the next major version
(Use `node --trace-warnings ...` to show where the warning was created)
(node:27396) [MONGODB DRIVER] Warning: useUnifiedTopology is a deprecated option: useUnifiedTopology has no effect since No
de.js Driver version 4.0.0 and will be removed in the next major version
DB connected
1  {
  acknowledged: true,
  insertedId: new ObjectId('67fa9b99718e1142aa27bb5f')
}
2  { _id: new ObjectId('67fa9b99718e1142aa27bb5f'), name: 'Thao' }
```

ElastiCache Redis





```
Address:        172.31.0.2#53

Non-authoritative answer:
redis-cluster-ro.8m2bhb.ng.0001.use1.cache.amazonaws.com       canonical name = redis-cluster-002.8m2bhb.0001.use1.cache.a
mazonaws.com.
Name:   redis-cluster-002.8m2bhb.0001.use1.cache.amazonaws.com
Address: 172.31.80.118

[ec2-user@ip-172-31-30-43 redis-stable]$ redis-cli -h redis-cluster-ro.8m2bhb.ng.0001.use1.cache.amazonaws.com -p 6379
^C[ec2-user@ip-172-31-30-43 redis-stable]$ ^C
[ec2-user@ip-172-31-30-43 redis-stable]$ ^C
[ec2-user@ip-172-31-30-43 redis-stable]$ exit
logout
Connection to 54.197.33.120 closed.
➜  Downloads ssh -i key.pem ec2-user@54.197.33.120
   ,     #_
   ~\_  ####_        Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
Last login: Sat Apr 12 16:02:49 2025 from 205.221.160.10
[ec2-user@ip-172-31-30-43 ~]$ redis-cli -h redis-cluster-ro.8m2bhb.ng.0001.use1.cache.amazonaws.com -p 6379
^C[ec2-user@ip-172-31-30-43 ~]$ redis-cli -h redis-cluster-ro.8m2bhb.ng.0001.use1.cache.amazonaws.com -p 6379
redis-cluster-ro.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379> set count 4
(error) READONLY You can't write against a read only replica.
redis-cluster-ro.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379>
[ec2-user@ip-172-31-30-43 ~]$ redis-cli -h redis-cluster-ro.8m2bhb.ng.0001.use1.cache.amazonaws.com -p 6379
redis-cluster-ro.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379> set count 4
(error) READONLY You can't write against a read only replica.
redis-cluster-ro.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379> exit
[ec2-user@ip-172-31-30-43 ~]$ redis-cli -h redis-cluster.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379 -p 6379
Could not connect to Redis at redis-cluster.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379:6379: Name or service not known
not connected>
[ec2-user@ip-172-31-30-43 ~]$ redis-cli -h redis-cluster.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379
Could not connect to Redis at redis-cluster.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379:6379: Name or service not known
not connected> exit
[ec2-user@ip-172-31-30-43 ~]$ redis-cli -h redis-cluster.8m2bhb.ng.0001.use1.cache.amazonaws.com -p 6379
redis-cluster.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379> set count 4
OK
redis-cluster.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379> get count
"4"
redis-cluster.8m2bhb.ng.0001.use1.cache.amazonaws.com:6379> exit
[ec2-user@ip-172-31-30-43 ~]$
```