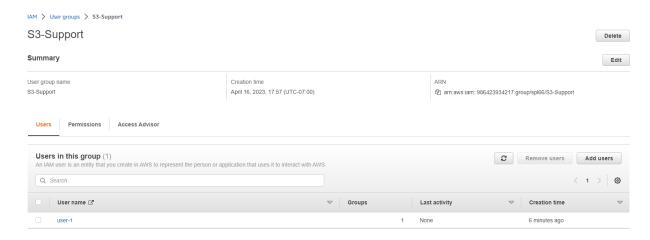
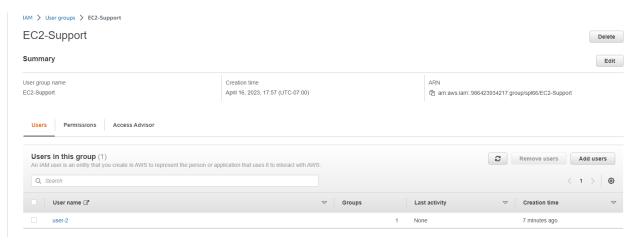
## Lab 1 AWS

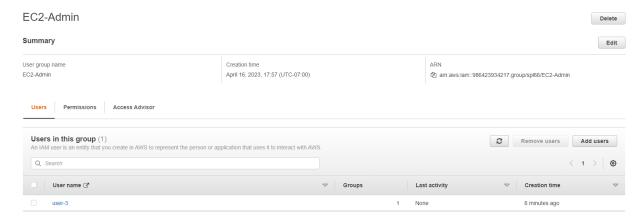
## Add user-1 to the S3-Support Group



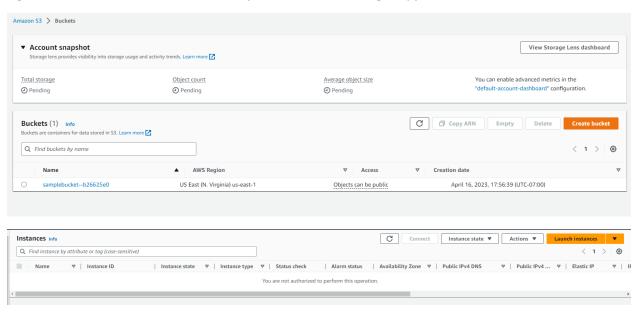
# Add user-2 to the EC2-Support Group



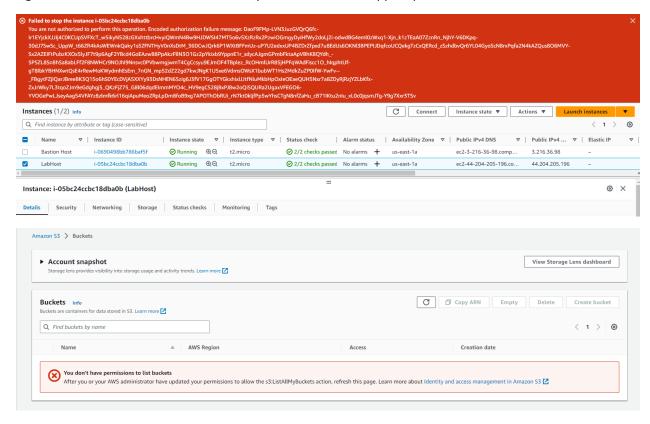
## Add user-3 to the EC2-Admin Group



## sign-in as user-1, who has been hired as your Amazon S3 storage support staff.



sign-in as user-2, who has been hired as your Amazon EC2 support person.

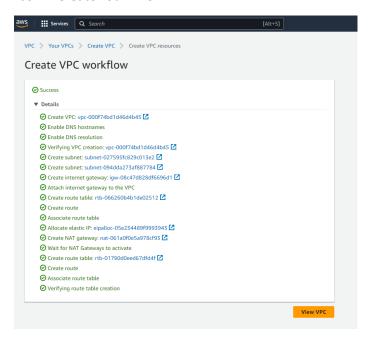


sign-in as user-3, who has been hired as your Amazon EC2 administrator.

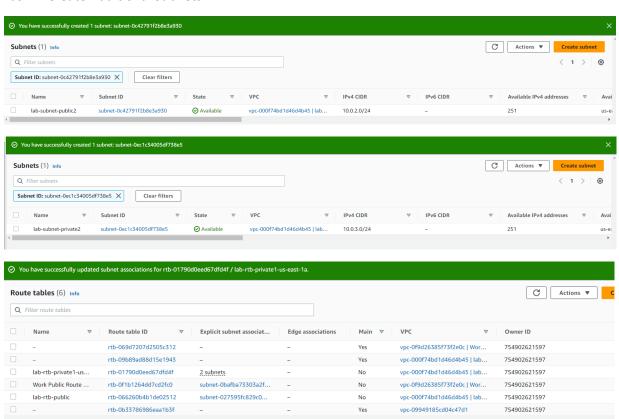


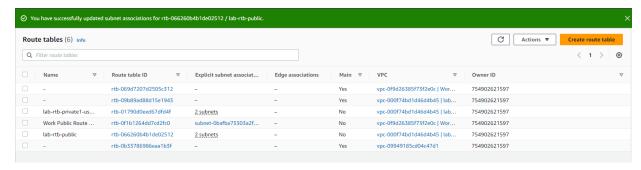


Task 1: Create Your VPC

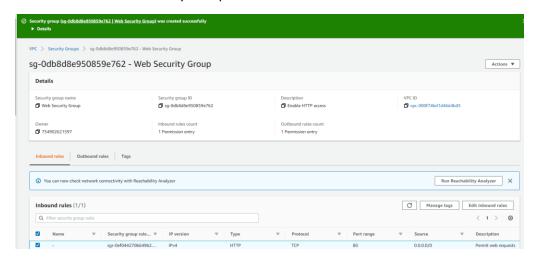


### Task 2: Create Additional Subnets

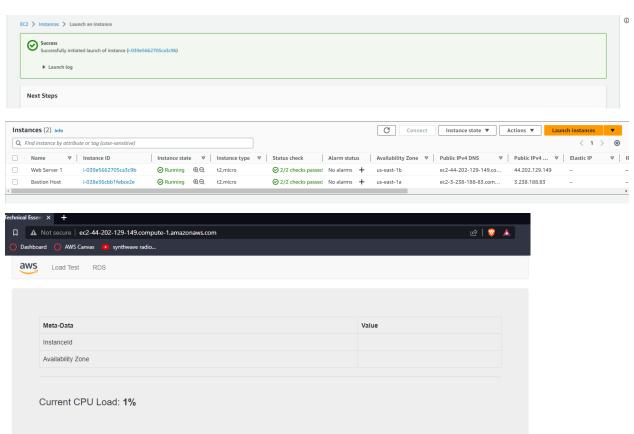




Task 3: Create a VPC Security Group



Task 4: Launch a Web Server Instance



# End Lab

×

Region: us-east-1

Lab ID: arn:aws:cloudformation:us-east-

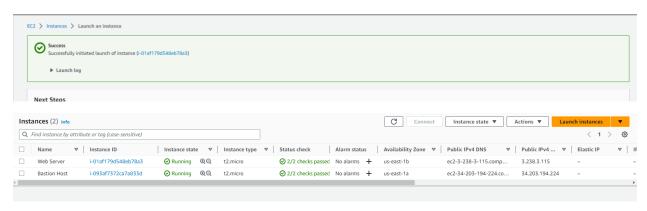
1:754902621597:stack/c79767a166591913991872t1w754902621597/a3aba5b0-e25b-11ed-a8ca-

125e315dc717

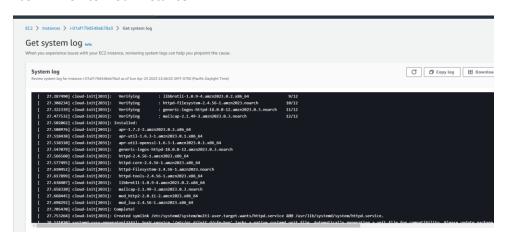
Creation Time: 2023-04-23T21:51:13-0700

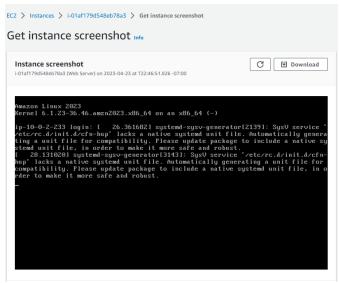
You may close this message box now. Lab resources are terminating ...

#### Task 1: Launch Your Amazon EC2 Instance



#### Task 2: Monitor Your Instance



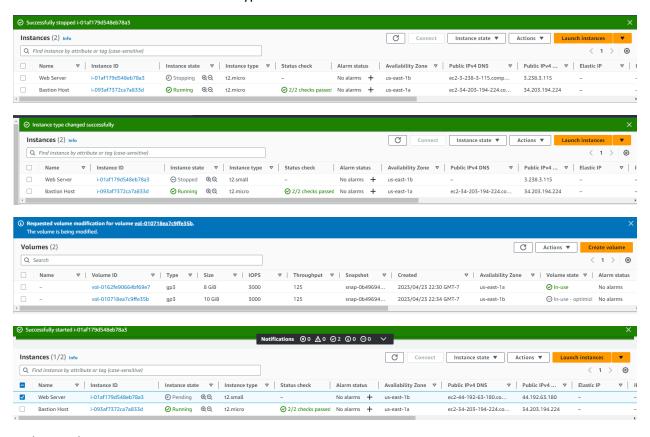


Task 3: Update Your Security Group and Access the Web Server

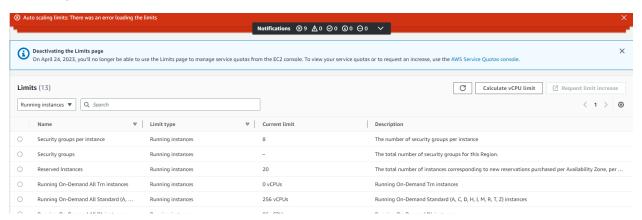


Hello From Your Web Server!

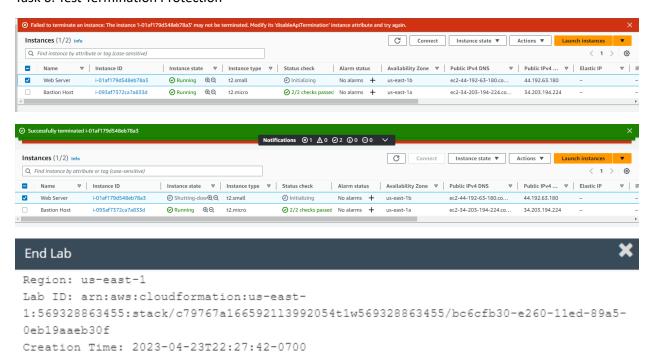
Task 4: Resize Your Instance: Instance Type and EBS Volume



Task 5: Explore EC2 Limits



#### Task 6: Test Termination Protection

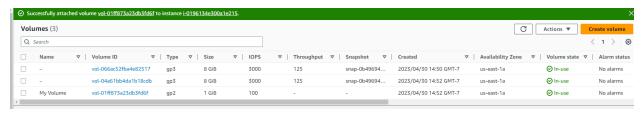


You may close this message box now. Lab resources are terminating ...

Task 1: Create a New EBS Volume



Task 2: Attach the Volume to an Instance



Task 3: Connect to Your Amazon EC2 Instance

Task 4: Create and Configure Your File System

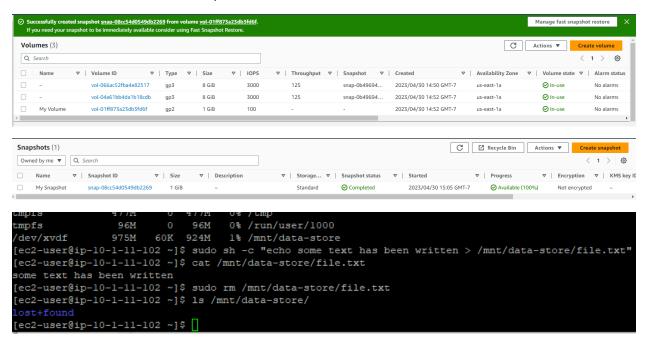
```
    ec2-user@ip-10-1-11-102:∼

                                                                                                                                                                                                                                                               ×
       Authenticating with public key "imported-openssh-key"
                 #_
####
                                            Amazon Linux 2023
              \_####\
                                            https://aws.amazon.com/linux/amazon-linux-2023
__m/'

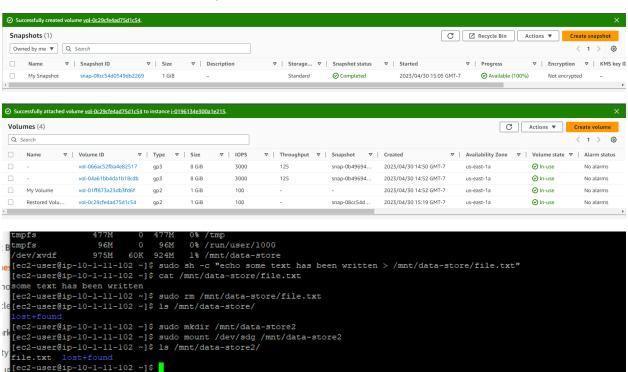
[ec2-user@ip-10-1-11-102 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on devtmpfs 4.0M 0 4.0M 0% /dev / tmpfs 477M 0 477M 0% /dev/shm tmpfs 191M 2.8M 188M 2% /run / dev/xvdal 8.0G 1.5G 6.5G 19% / tmpfs 477M 0 477M 0% /tmp tmpfs 96M 0 96M 0% /run/user/1000 [ec2-user@ip-10-1-11-102 ~]$ sudo mkfs -t ext3 /dev/sdf mk2fs 1 46.5 (30.Dec-2021)
  mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: flb5761e-16f2-4657-a140-125034196539
Superblock backups stored on blocks:
Allocating group tables: done
Writing inode tables: done
 Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done
 [ec2-user@ip-10-1-11-102 ~]$ sudo mkdir /mnt/data-store
[ec2-user@ip-10-1-11-102 ~]$ sudo mount /dev/sdf /mnt/data-store
[ec2-user@ip-10-1-11-102 ~]$ cat /etc/fstab
  JUID=d0c265c4-6eal-4060-b815-520elc2aae05
 UUID=606C-CF35
                                            /boot/efi
                                                                             vfat
                                                                                               defaults, noatime, uid=0, gid=0, umask
  =0077,shortname=winnt,x-systemd.automount 0 2
 [ec2-user@ip-10-1-11-102 ~]$ df =h
df: '=h': No such file or directory
[ec2-user@ip-10-1-11-102 ~]$ df -h
[ec2-user@ip-10-1-11-102 ~]$ df -h
Filesystem Size Used Avail Use% Mounted on
devtmpfs 4.0M 0 4.0M 0% /dev
tmpfs 477M 0 477M 0% /dev/shm
tmpfs 191M 2.8M 188M 2% /run
/dev/xvdal 8.0G 1.5G 6.5G 19% /
tmpfs 477M 0 477M 0% /tmp
tmpfs 96M 0 96M 0% /run/user/1000
/dev/xvdf 975M 60K 924M 1% /mnt/data-store
[ec2-user@ip-10-1-11-102 ~]$ sudo sh -c "echo some text has been written > /mnt/data-store/file.txt"
some text has been written
   ome text has been written
 [ec2-user@ip-10-1-11-102 ~]$
```

Task 5: Create an Amazon EBS Snapshot



#### Task 6: Restore the Amazon EBS Snapshot



# **End Lab**

×

Region: us-east-1

Lab ID: arn:aws:cloudformation:us-east-

1:275989223821:stack/c79767a166592714031407t1w275989223821/dda735a0-e7a0-11ed-a9f2-

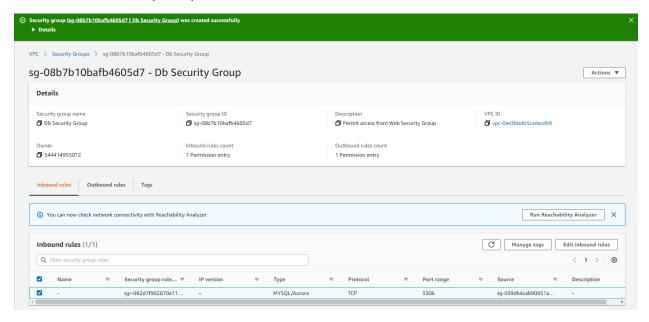
12662ecb3025

Creation Time: 2023-04-30T14:49:21-0700

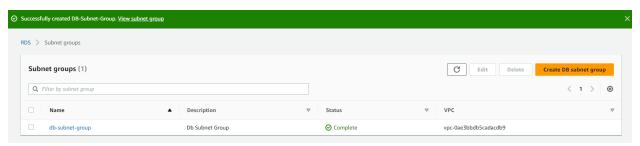
You may close this message box now. Lab resources are terminating  $\dots$ 

Lab 5

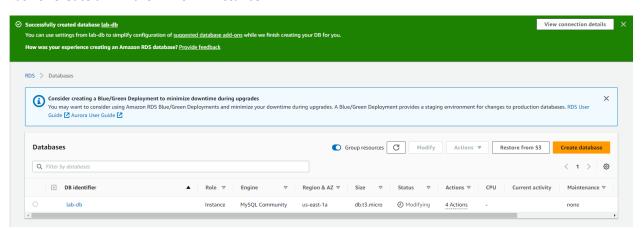
## Task 1: Create a Security Group for the RDS DB Instance



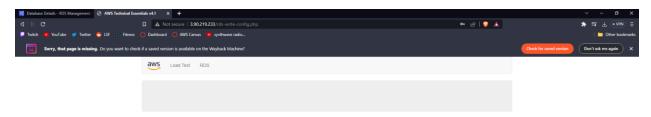
## Task 2: Create a DB Subnet Group

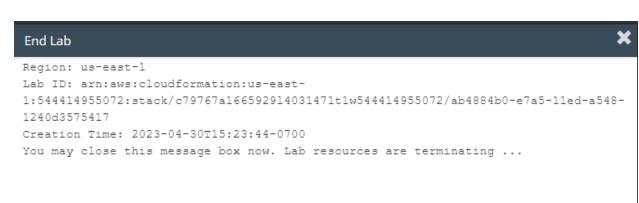


#### Task 3: Create an Amazon RDS DB Instance



#### Task 4: Interact with Your Database

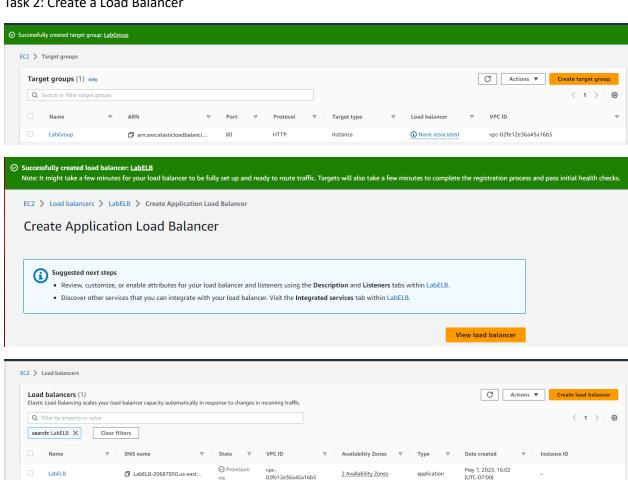




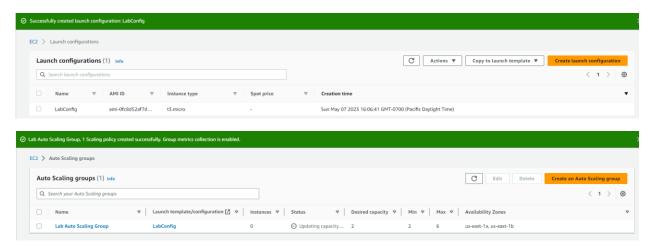
## Task 1: Create an AMI for Auto Scaling



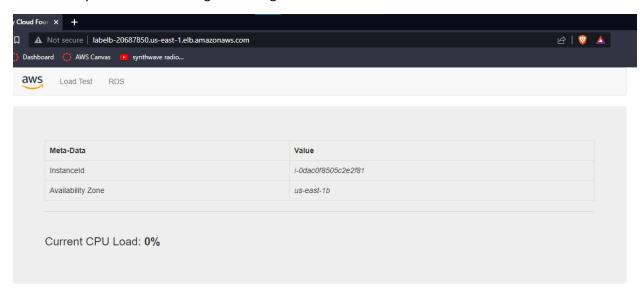
#### Task 2: Create a Load Balancer



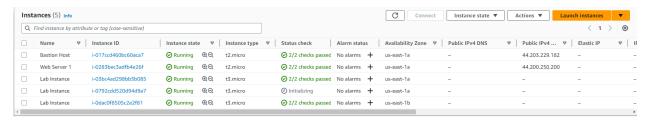
Task 3: Create a Launch Configuration and an Auto Scaling Group



# Task 4: Verify that Load Balancing is Working



#### Task 5: Test Auto Scaling



Task 6: Terminate Web Server 1

