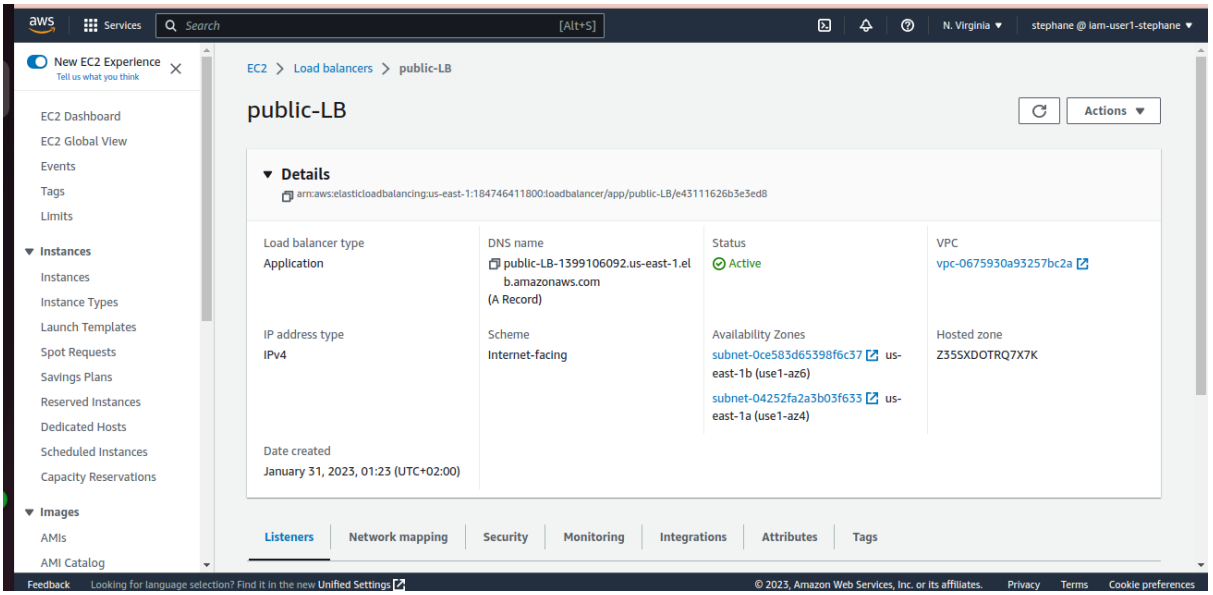
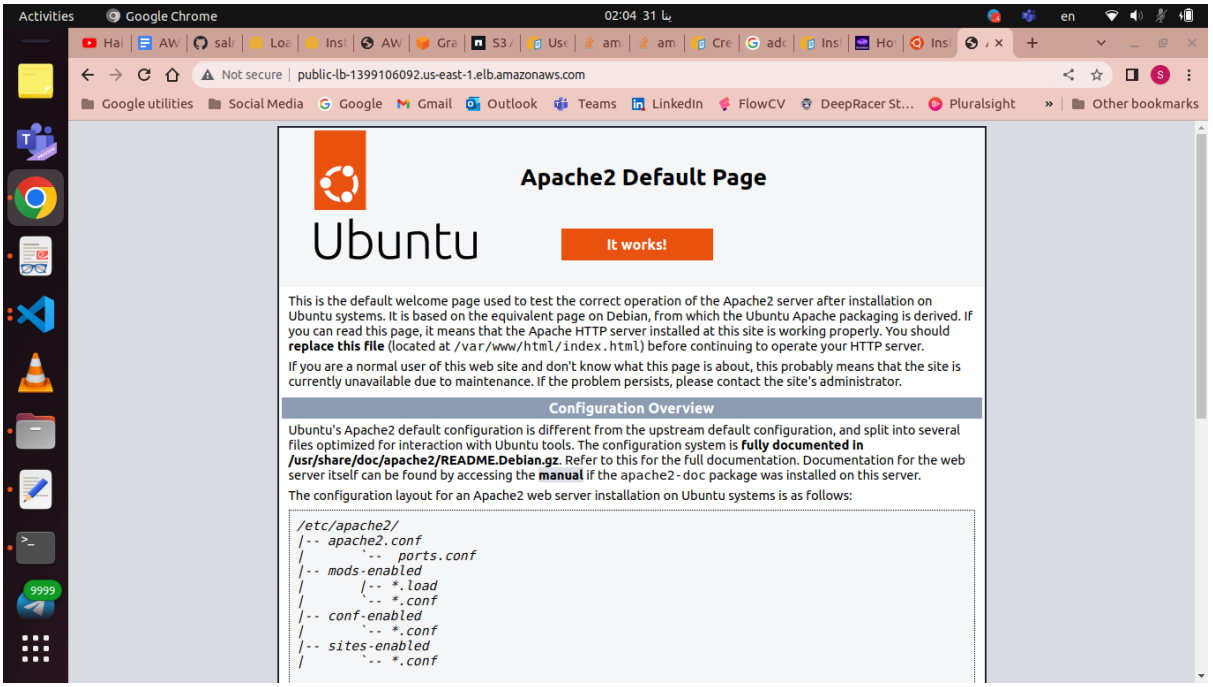
Q1:

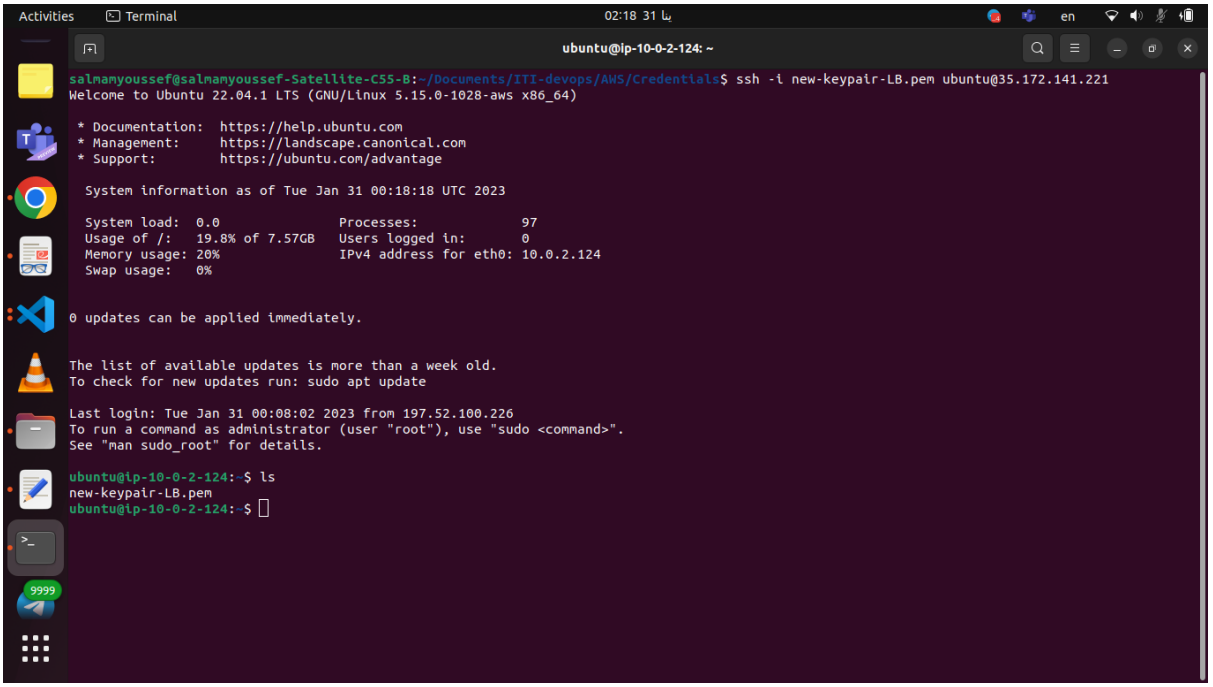


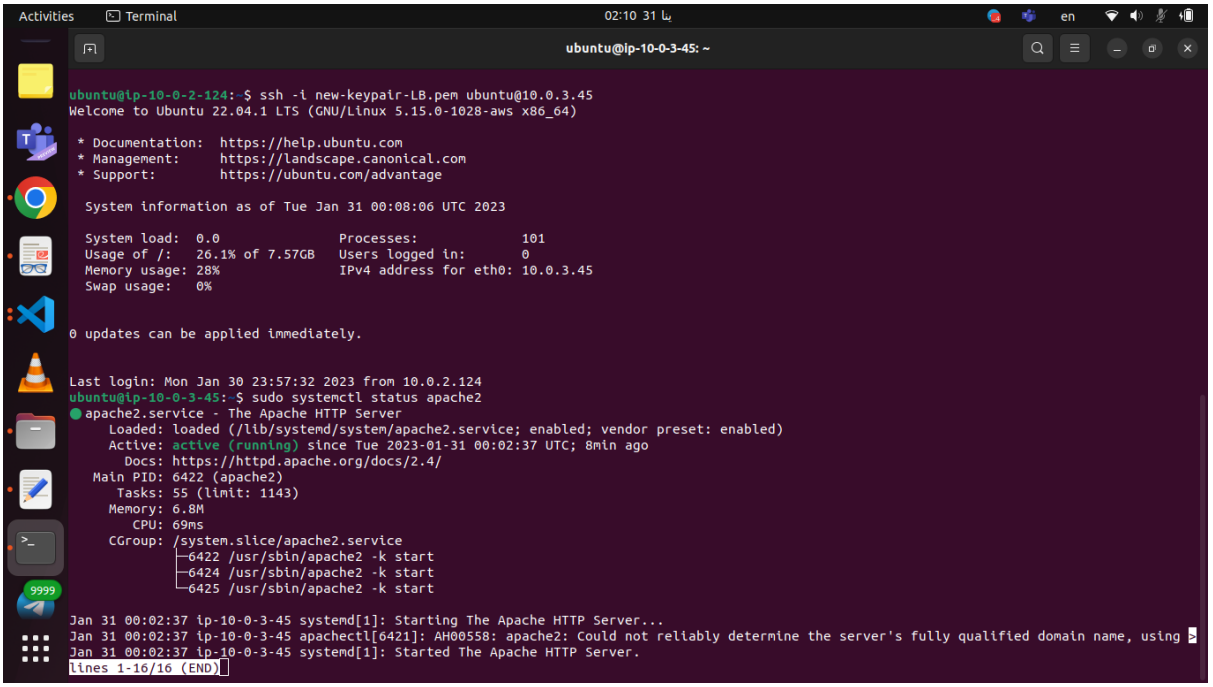


Q2:

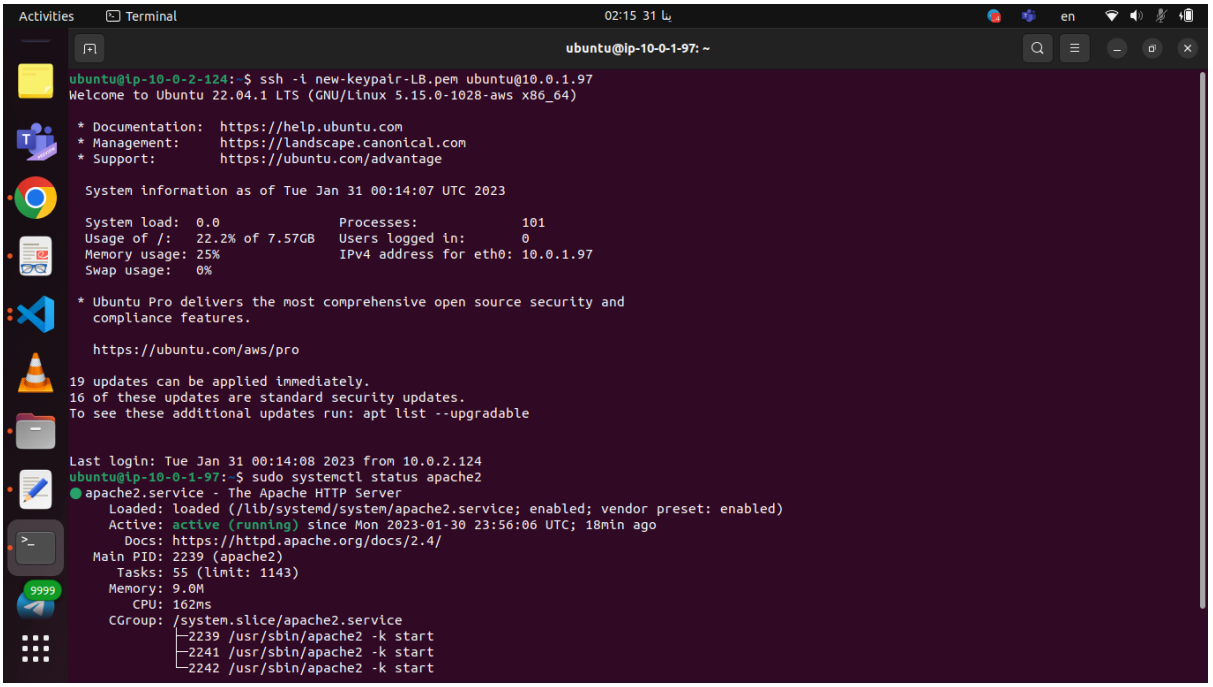
private ec2 in az b
jump host:

```
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/AWS/Credentials$ sudo scp -i new-keypair-LB.pem new-keypair-LB.pem ubuntu@3
5.172.141.221:/home/ubuntu
[sudo] password for salmamyoussef:
The authenticity of host '35.172.141.221 (35.172.141.221)' can't be established.
ED25519 key fingerprint is SHA256:b+ETRDmGeq/ZTcA8FgWu4NUQOLyQy6vpfAn4iv9C1CM.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '35.172.141.221' (ED25519) to the list of known hosts.
scp: /home/ubuntu/new-keypair-LB.pem: Permission denied
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/AWS/Credentials$ ssh -i new-keypair-LB.pem ubuntu@35.172.141.221
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1028-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Tue Jan 31 00:07:21 UTC 2023

  System load:  0.0               Processes:             95
  Usage of /:   19.8% of 7.57GB   Users logged in:       0
  Memory usage: 20%               IPv4 address for eth0: 10.0.2.124
  Swap usage:   0%


0 updates can be applied immediately.


The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Mon Jan 30 23:52:51 2023 from 197.52.100.226
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
```

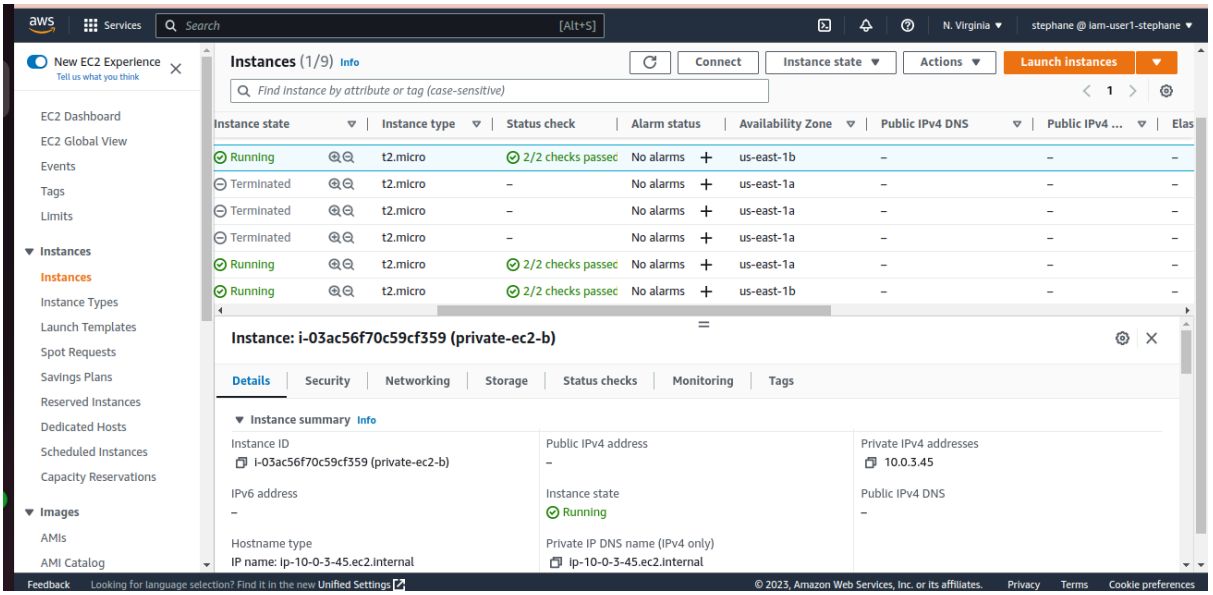


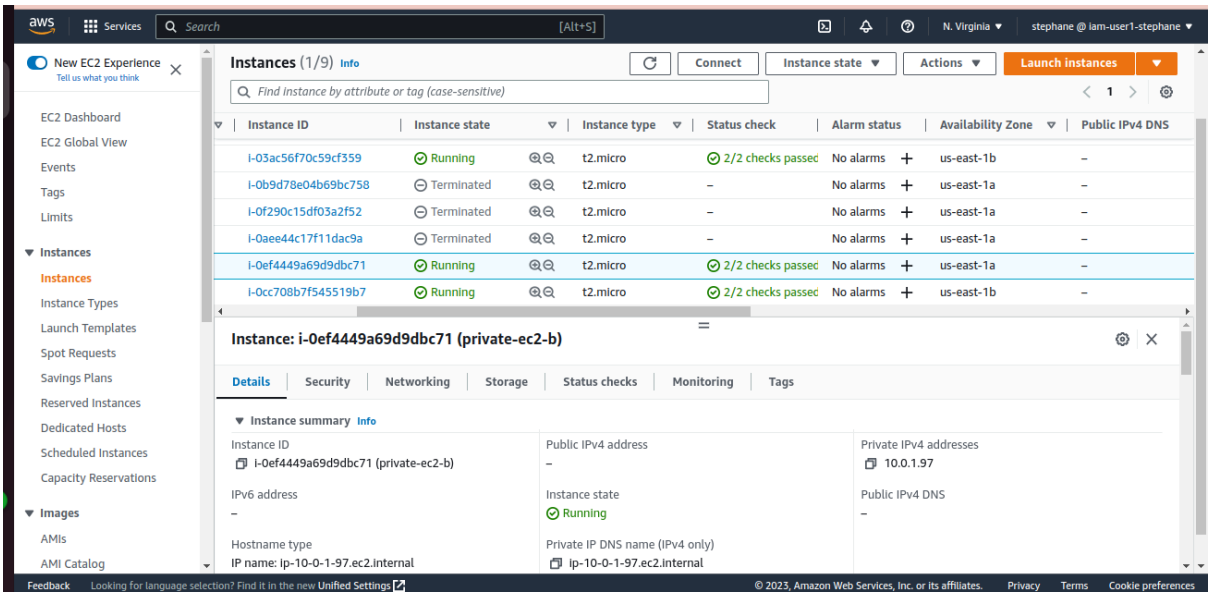


for private ec2 in az a:



Q3:


aws
Services
Search
[Alt+S]
N. Virginia
stephane @ iam-user1-stephane
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
Images
AMIs
AMI Catalog
Instances (1/9) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
Public IPv4 ...
Elas
Running t2.micro 2/2 checks passed No alarms us-east-1b
Terminated t2.micro – No alarms us-east-1a
Terminated t2.micro – No alarms us-east-1a
Terminated t2.micro – No alarms us-east-1a
Running t2.micro 2/2 checks passed No alarms us-east-1a
Running t2.micro 2/2 checks passed No alarms us-east-1b
Instance: i-03ac56f70c59cf359 (private-ec2-b)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-03ac56f70c59cf359 (private-ec2-b)
Public IPv4 address
–
Private IPv4 addresses
10.0.3.45
IPv6 address
–
Instance state
Running
Public IPv4 DNS
–
Hostname type
IP name: ip-10-0-3-45.ec2.internal
Private IP DNS name (IPv4 only)
ip-10-0-3-45.ec2.internal
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2023, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


aws
Services
Search
[Alt+S]
N. Virginia
stephane @ iam-user1-stephane
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances
Instance Types
Launch Templates
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AMI Catalog
Instances (1/9) Info
Connect
Instance state
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Launch instances
Find instance by attribute or tag (case-sensitive)
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
i-03ac56f70c59cf359 Running t2.micro 2/2 checks passed No alarms us-east-1b
i-0b9d78e04b69bc758 Terminated t2.micro – No alarms us-east-1a
i-0f290c15df03a2f52 Terminated t2.micro – No alarms us-east-1a
i-0aee44c17f11dac9a Terminated t2.micro – No alarms us-east-1a
i-0ef4449a69d9dbc71 Running t2.micro 2/2 checks passed No alarms us-east-1a
i-0cc708b7f545519b7 Running t2.micro 2/2 checks passed No alarms us-east-1b
Instance: i-0ef4449a69d9dbc71 (private-ec2-b)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-0ef4449a69d9dbc71 (private-ec2-b)
Public IPv4 address
–
Private IPv4 addresses
10.0.1.97
IPv6 address
–
Instance state
Running
Public IPv4 DNS
–
Hostname type
IP name: ip-10-0-1-97.ec2.internal
Private IP DNS name (IPv4 only)
ip-10-0-1-97.ec2.internal
Feedback
Looking for language selection? Find it in the new Unified Settings
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Privacy
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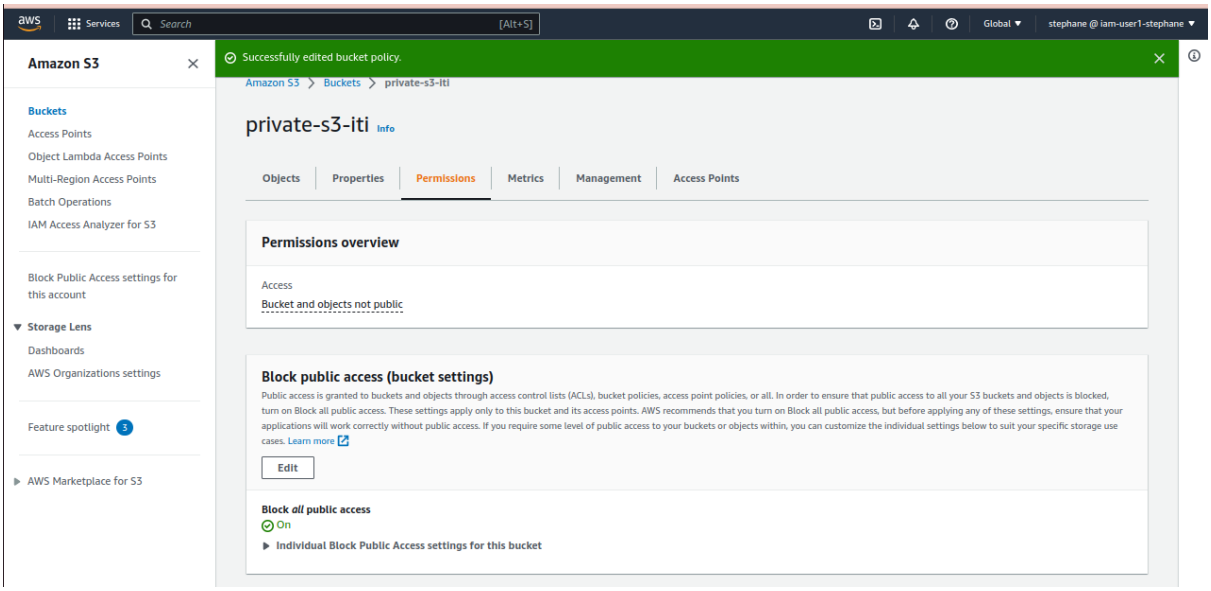
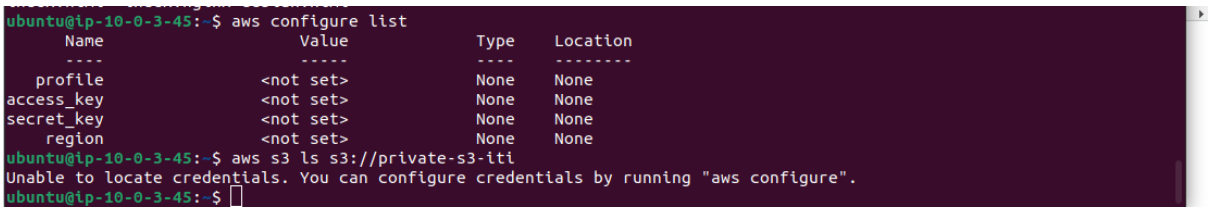
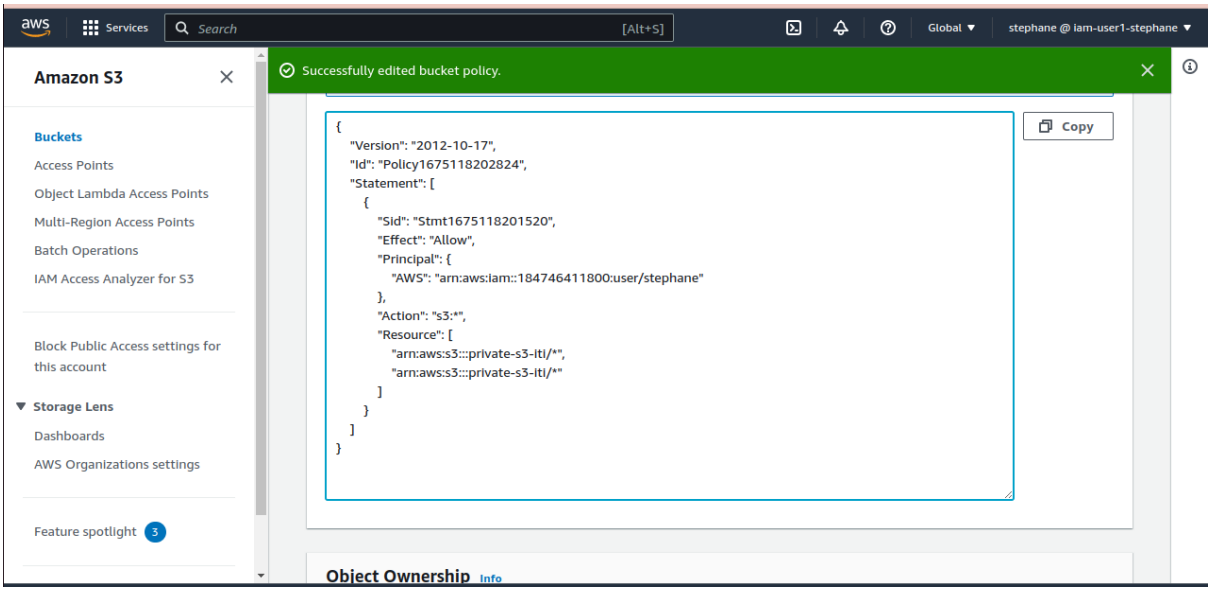
Cookie preferences

Q4:


Amazon S3
Successfully edited bucket policy.
Amazon S3 > Buckets > private-s3-iti
private-s3-iti Info
Objects
Properties
Permissions
Metrics
Management
Access Points
Permissions overview
Access
Bucket and objects not public
Block public access (bucket settings)
Edit
Block all public access
On
Individual Block Public Access settings for this bucket

Q5:


ubuntu@ip-10-0-3-45:~$ aws configure list
Name Value Type Location
profile <not set> None None
access_key <not set> None None
secret_key <not set> None None
region <not set> None None
ubuntu@ip-10-0-3-45:~$ aws s3 ls s3://private-s3-iti
Unable to locate credentials. You can configure credentials by running "aws configure".
ubuntu@ip-10-0-3-45:~$


Amazon S3
Successfully edited bucket policy.
Copy
{
"Version": "2012-10-17",
"Id": "Policy1675118202824",
"Statement": [
{
"Sid": "Stmt1675118201520",
"Effect": "Allow",
"Principal": {
"AWS": "arn:aws:iam::184746411800:user/stephane"
},
"Action": "s3:*",
"Resource": [
"arn:aws:s3:::private-s3-iti/*",
"arn:aws:s3:::private-s3-iti/*"
]
}
]
}
Object Ownership Info

```
ubuntu@ip-10-0-3-45:~$ aws s3 ls
2023-01-30 20:11:21 private-s3-iti
ubuntu@ip-10-0-3-45:~$ aws s3 ls s3://private-s3-iti
2023-01-30 20:12:53         18 index.html
```

```
ubuntu@ip-10-0-3-45:~$ sudo aws s3 cp s3://private-s3-iti/index.html /var/www/html
download: s3://private-s3-iti/index.html to ../../var/www/html/index.html
ubuntu@ip-10-0-3-45:~$ cat /var/www/html
cat: /var/www/html: Is a directory
ubuntu@ip-10-0-3-45:~$ ls /var/www/html
index.html  index.nginx-debian.html
ubuntu@ip-10-0-3-45:~$
```