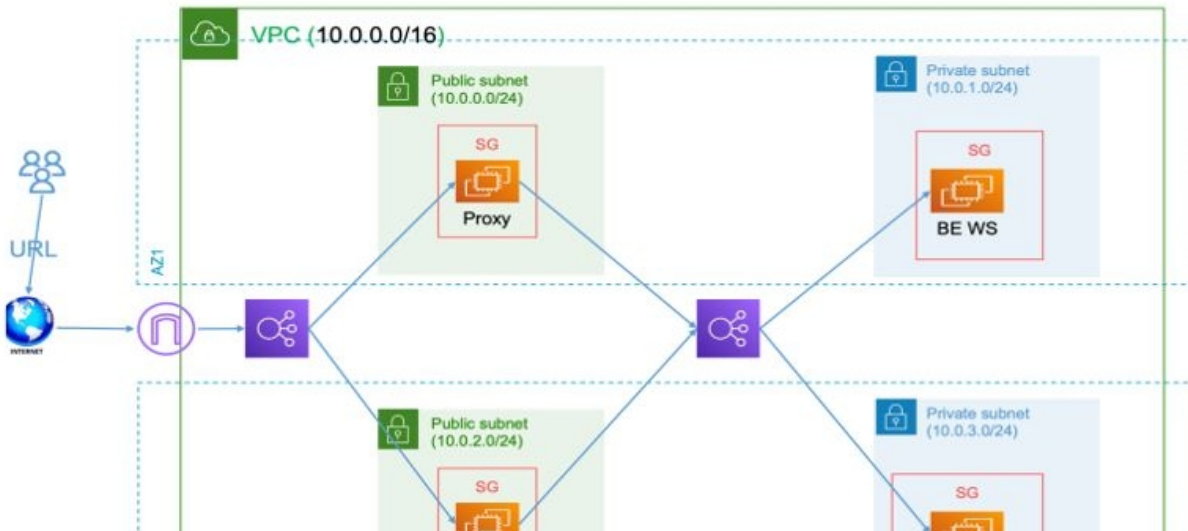


Name: Mohanad Hamada
Terraform: lab3



Load balancers | EC2 | Instances | EC2 | us-east-1 | terraform-iti-s3-buck | EC2 Instance Connect | Identifying current w | amazon web services | Install

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LoadBalancers:

Search [Alt+S]

Load balancers

Load balancers (1/2)

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#vpcs:

Account ID: 2870-4346-0305
United States (N. Virginia)
ahmed-maher-sabeq

VPC dashboard < Your VPCs

Your VPCs (2) Info

Find VPCs by attribute or tag

<input type="checkbox"/>	Name	VPC ID	State	Block Public...	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table
<input type="checkbox"/>	multi-tier-proxy-vpc	vpc-03a878db9449d36ee	Available	Off	10.0.0.0/16	-	dopt-0dfc98a27cdcea1a	rtb-0d829279ced2
<input type="checkbox"/>	-	vpc-05c32ecffdebd69ee	Available	Off	172.31.0.0/16	-	dopt-0dfc98a27cdcea1a	rtb-06616356f47c

PC

Private cloud

Subnet ID

State

VPC

Block Public...

IPv4 CIDR

subnet-00f471dfef42028af

Available

vpc-05c32ecffdebd69ee

Off

172.31.48.0/20

subnet-0738ahf58ear38f9h

Available

vpc-05c32ecffdebd69ee

Off

172.31.80.0/20

Instances | VPC Console

Instances | EC2 | us-east-1

terraform-iti-s3-buck...

EC2 Instance Connect

Identifying current w...

amazon web services

Installing or updating

404 - Not Found

Untitled document

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

Search

[Alt+S]

United States (N. Virginia)

Account ID: 2870-4346-0305

ahmed-maher-sabeq

Instances

Instances (4) Info

Last updated 5 minutes ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

Running

1

Name

Instance ID

Instance state

Instance type

Status check

Alarm status

Availability Zone

Public IPv4 DNS

Public IPv4 ...

Elastic IP

VPC Console

Instances | EC2 | us-east-1

S3 buckets | S3 | us-east-1

EC2 Instance Connect

Identifying current w...

amazon web services

Installing or updating

404 - Not Found

us-east-1.console.aws.amazon.com/s3/buckets?region=us-east-1&bucketType=general

Search

[Alt+S]

S3

Buckets

General purpose buckets

All AWS Regions

Directory buckets

General purpose buckets (1) Info

Buckets are containers for data stored in S3.

Copy ARN

Empty

Delete

Create bucket

Account

Update

Instances | EC2 | us-east-1

List tables | Amazon

EC2 Instance Connect

Identifying current w...

amazon

us-east-1.console.aws.amazon.com/dynamodbv2/home?region=us-east-1#tables

Search

[Alt+S]

Share your feedback on Amazon DynamoDB

Your feedback is an important part of helping us provide a better customer experience. Take this short survey.

Tables (1) Info

Find tables

Any tags

Name

Status

Partition key

Sort key

Indexes

terraform-state-lock-multi-tier-proxy

Active

LockID (S)

-

0

```

#_
~\  #####      Amazon Linux 2
~~\  #####\
~~\  #####|      AL2 End of Life is 2026-06-30.
~~\  #/
~~  V~' '->
    ~~~
    ~~-./
    ~~~\
    ~~~\
    ~~~\m/'

```

A newer version of Amazon Linux is available!

Amazon Linux 2023, GA and supported until 2028-03-15.
<https://aws.amazon.com/linux/amazon-linux-2023/>

```
[ec2-user@ip-10-0-1-129 ~]$ cat /etc/httpd/conf.d/proxy.conf
LoadModule proxy_module modules/mod_proxy.so
LoadModule proxy_http_module modules/mod_proxy_http.so

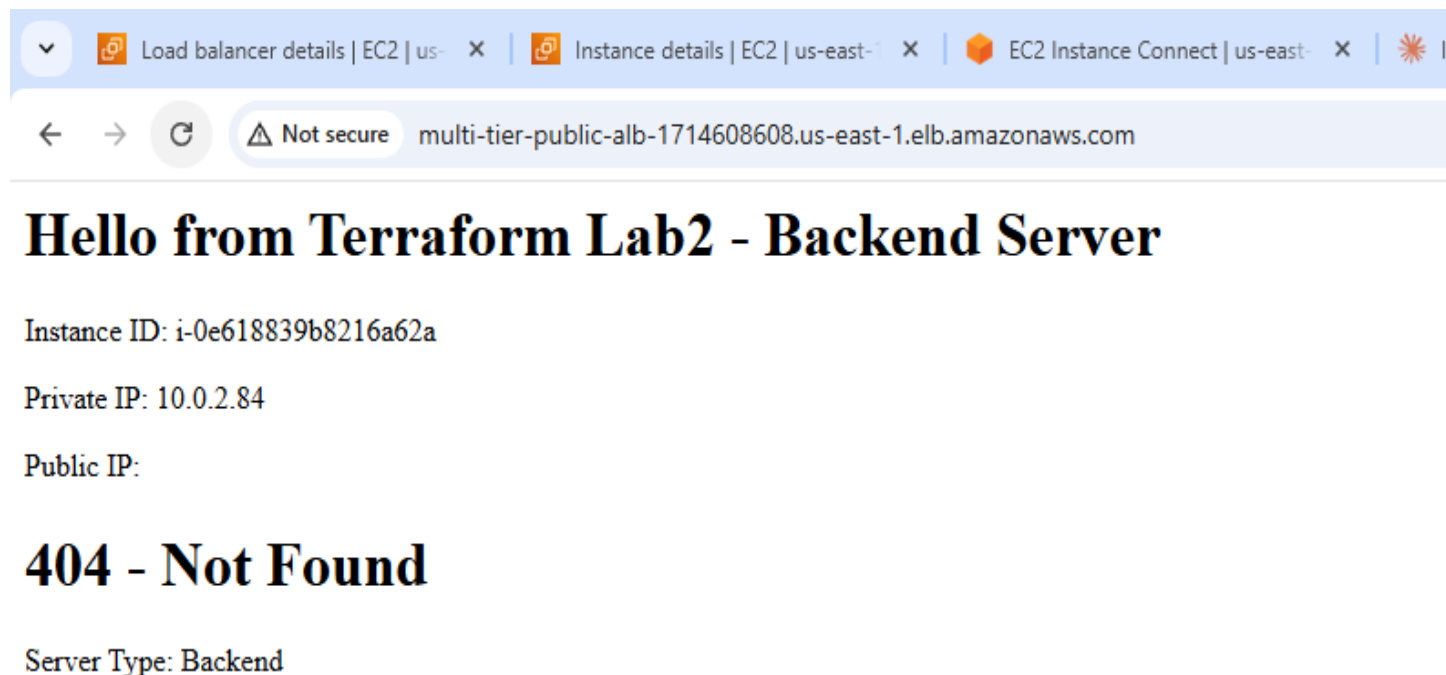
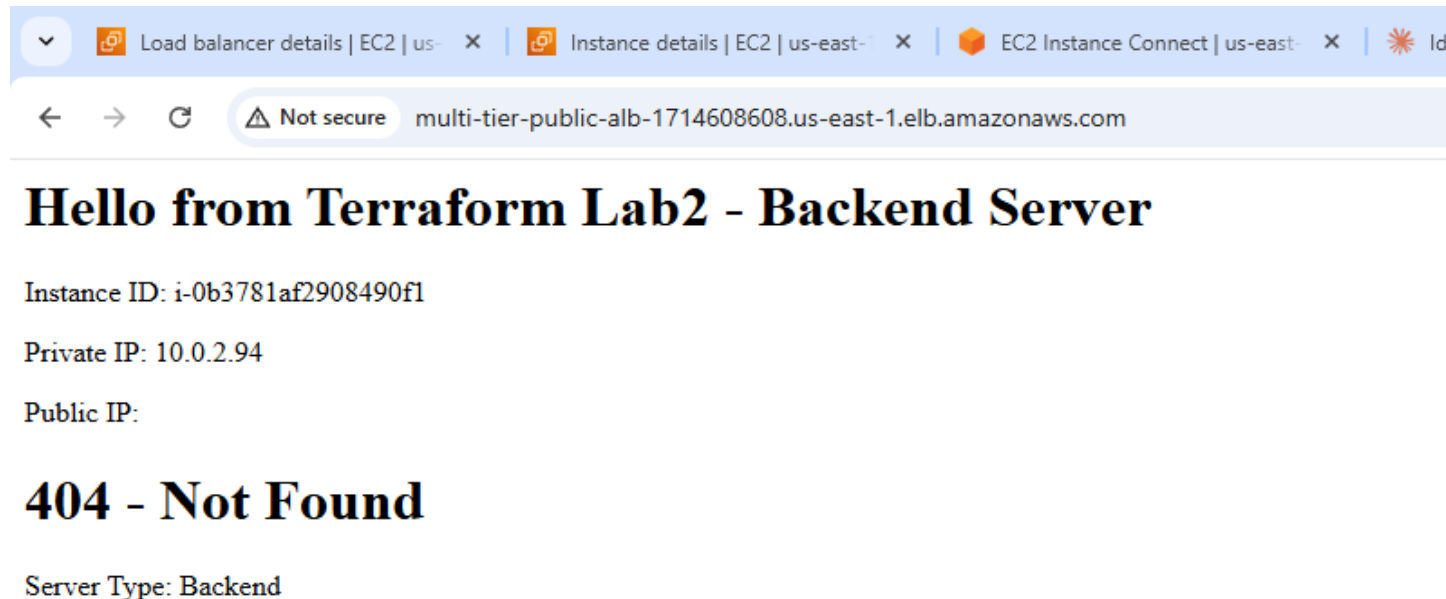
<VirtualHost *:80>
    # Health check endpoint - serve locally, don't proxy
    ProxyPass /health !

    # Proxy all other requests to private ALB
    ProxyPreserveHost On
    ProxyPass / http://internal-multi-tier-private-alb-455121708.us-east-1.elb.amazonaws.com/
    ProxyPassReverse / http://internal-multi-tier-private-alb-455121708.us-east-1.elb.amazonaws.com/
</VirtualHost>
[ec2-user@ip-10-0-1-129 ~]$
```

i-0f2daa77b669ba042 (multi-tier-proxy-proxy-1)

PublicIPs: 34,238,42,178 PrivateIPs: 10,0,1,129

Screenshot from sending an http req to the public load balancer and then it forwarding the proxy ec2 instances and then ec2 instances to private alb and then private alb to private ec2 instances.



amazon S3 > Buckets > terraform-iti-s3-bucket > env/ > dev/

dev/

Copy S3 URI

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

Show versions

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	terraform.tfstate	tfstate	September 22, 2025, 13:47:26 (UTC+03:00)	114.7 KB	Standard