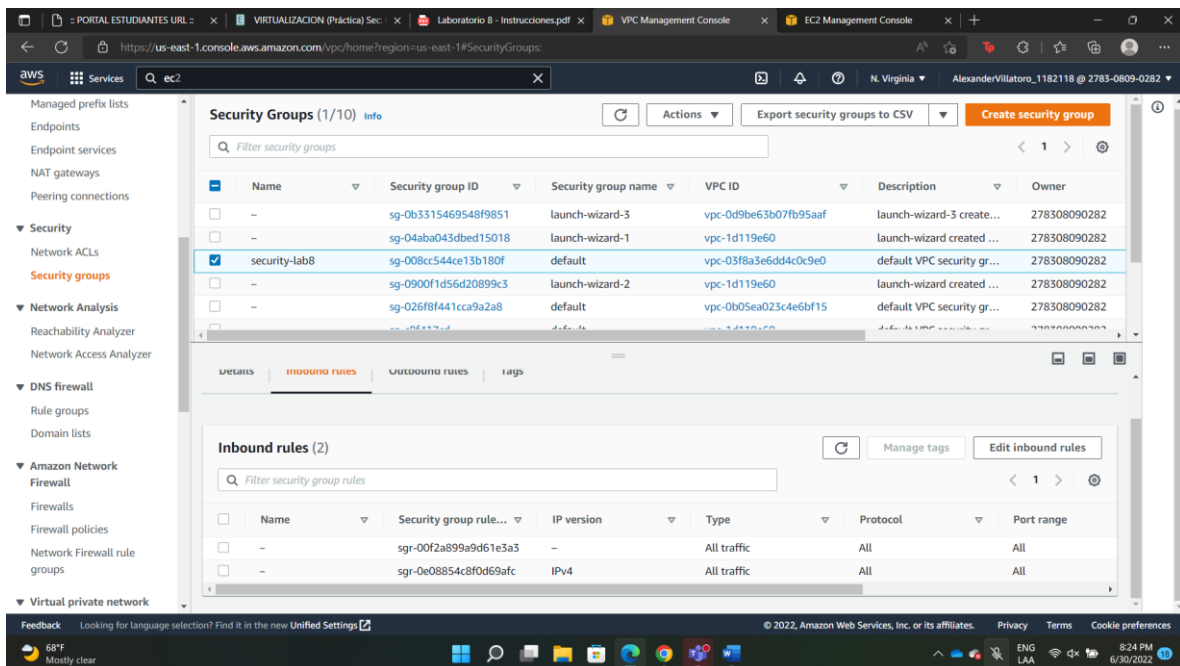


Nombre: Alexander Villatoro
Carné: 1182118

Laboratorio 8

Parte Única:

1. Crear una nueva VPC con 2 subnets, cada subnet en una AVZ diferente y con acceso a internet. Configurar sitio web en cada instancia.
 - a. Permitir todo el tráfico en el Security Group.



- b. Screenshot de la VPC creada y demostrando las Subnets en AVZ diferentes.

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VPC Management Console

EC2 Management Console

https://us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#VpcDetails:vpcid=vpc-03f8a3e6dd4c0c9e0

Services

ec2

N. Virginia

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New VPC Experience

Tell us what you think

VPC dashboard

EC2 Global View

Filter by VPC:

Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP Option Sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

vpc-03f8a3e6dd4c0c9e0

vpc-03f8a3e6dd4c0c9e0 / vpc-subnet-lab8

Actions

Details

info

VPC ID

vpc-03f8a3e6dd4c0c9e0

Tenancy

Default

Default VPC

No

Route 53 Resolver DNS Firewall rule groups

-

State

Available

DHCP options set

dopt-7d6e4507

IPv4 CIDR

172.31.0.0/16

Owner ID

278308090282

DNS hostnames

Disabled

Main route table

rtb-0a364a0e36f832bf2 / route-lab8

IPv6 pool

-

DNS resolution

Enabled

Main network ACL

acl-0f41a80e132f61d19

IPv6 CIDR (Network border group)

-

CIDRs

Flow logs

Tags

CIDRs

info

Address type

CIDR

Network Border Group

Pool

Status

Feedback

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VPC Management Console

EC2 Management Console

https://us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#SubnetDetails:subnetId=subnet-04bf20500859bdbdb

Services

ec2

N. Virginia

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New VPC Experience

Tell us what you think

VPC dashboard

EC2 Global View

Filter by VPC:

Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP Option Sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

subnet-04bf20500859bdbdb

subnet-04bf20500859bdbdb / subnet1

Actions

Details

info

Subnet ID

subnet-04bf20500859bdbdb

Available IPv4 addresses

250

Network border group

us-east-1

Default subnet

No

Customer-owned IPv4 pool

-

IPv6-only

No

DNS54

Disabled

Subnet ARN

arn:aws:ec2:us-east-1:278308090282:subnet/subnet-04bf20500859bdbdb

IPv4 CIDR

-

VPC

vpc-03f8a3e6dd4c0c9e0 | vpc-subnet-lab8

Auto-assign public IPv4 address

No

Outpost ID

-

Hostname type

IP name

Owner

-

State

Available

Availability Zone

us-east-1a

Route table

rtb-0a364a0e36f832bf2 | route-lab8

Auto-assign IPv6 address

No

IPv4 CIDR reservations

-

Resource name DNS A record

Disabled

IPv4 CIDR

172.31.0/24

Availability Zone ID

use1-az1

Network ACL

acl-0f41a80e132f61d19

Auto-assign customer-owned IPv4 address

No

IPv6 CIDR reservations

-

Resource name DNS AAAA record

Disabled

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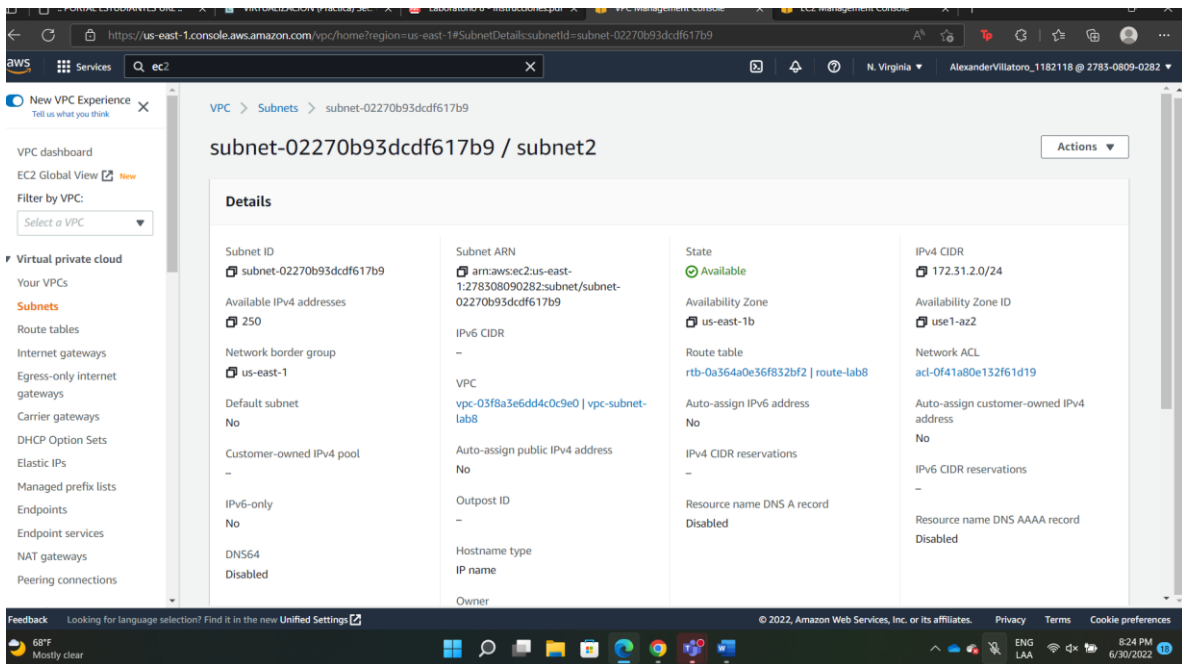
Mostly clear

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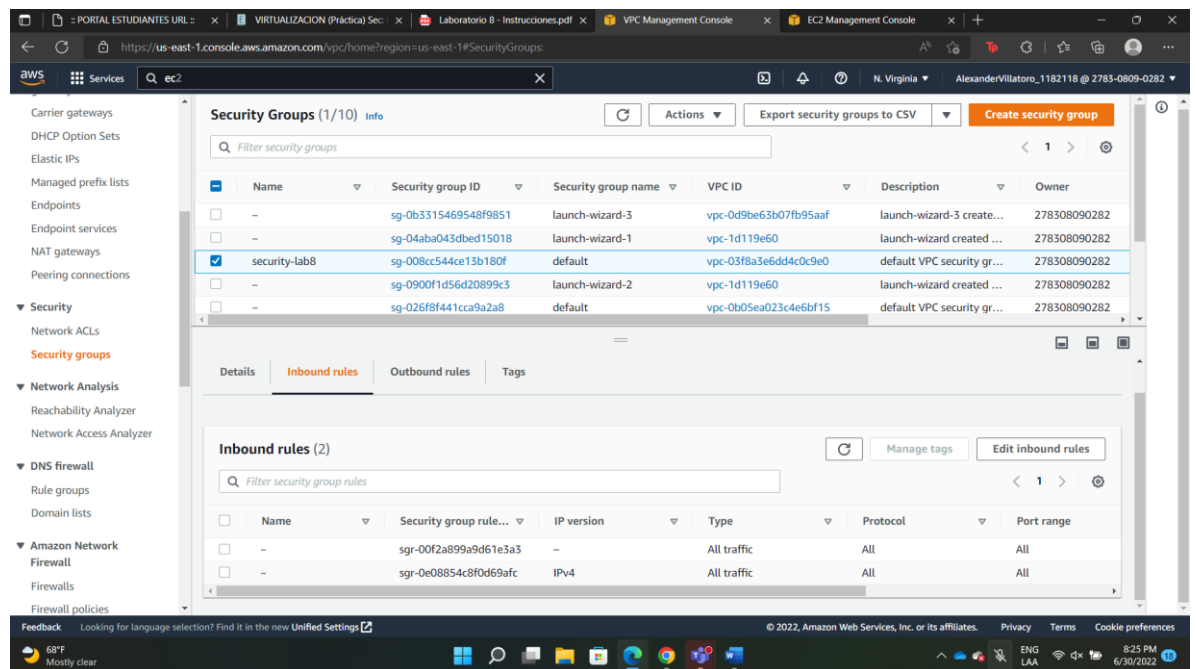
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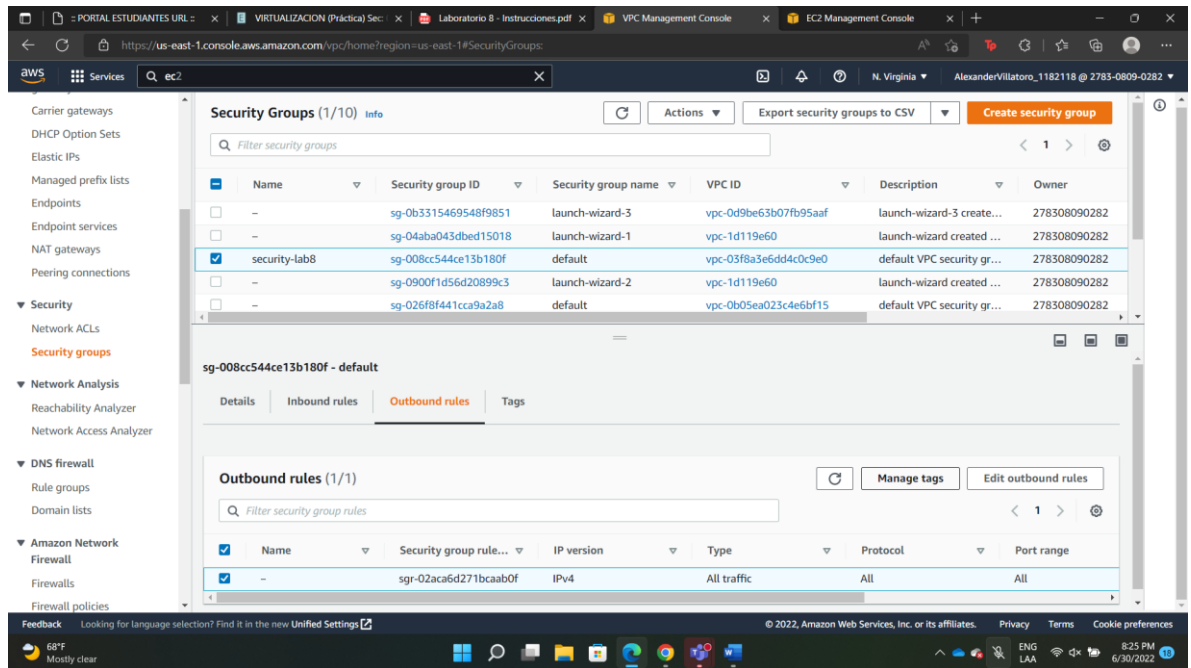
8:24 PM

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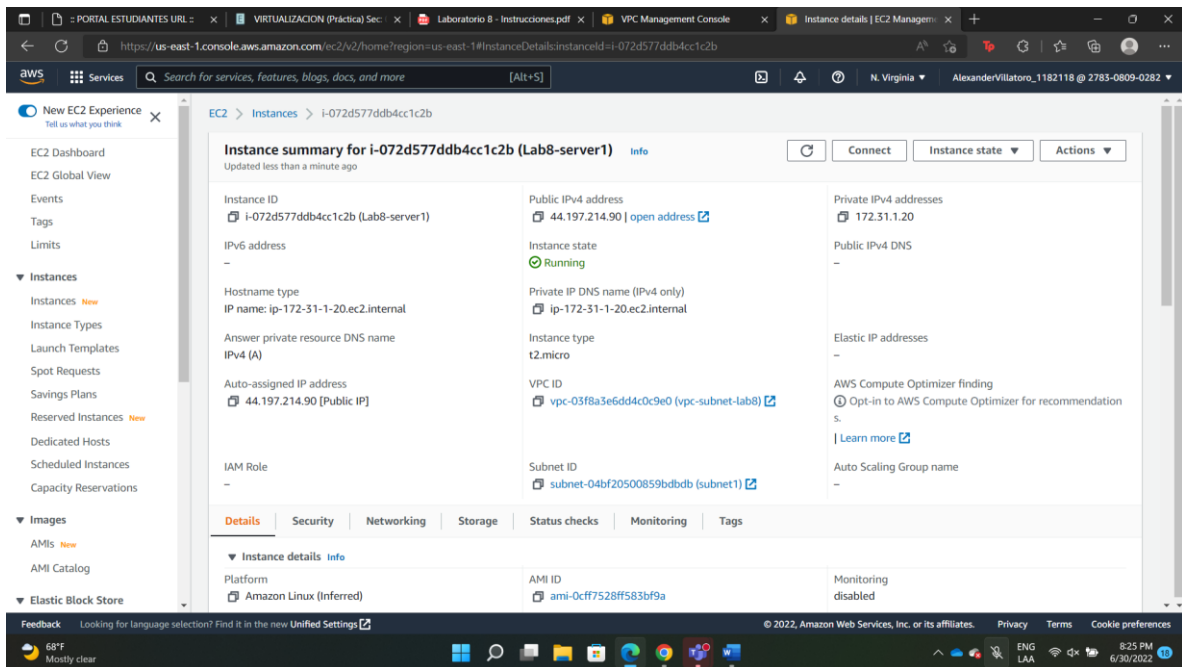
c. Screenshot de las reglas inbound y outbound del Security Group

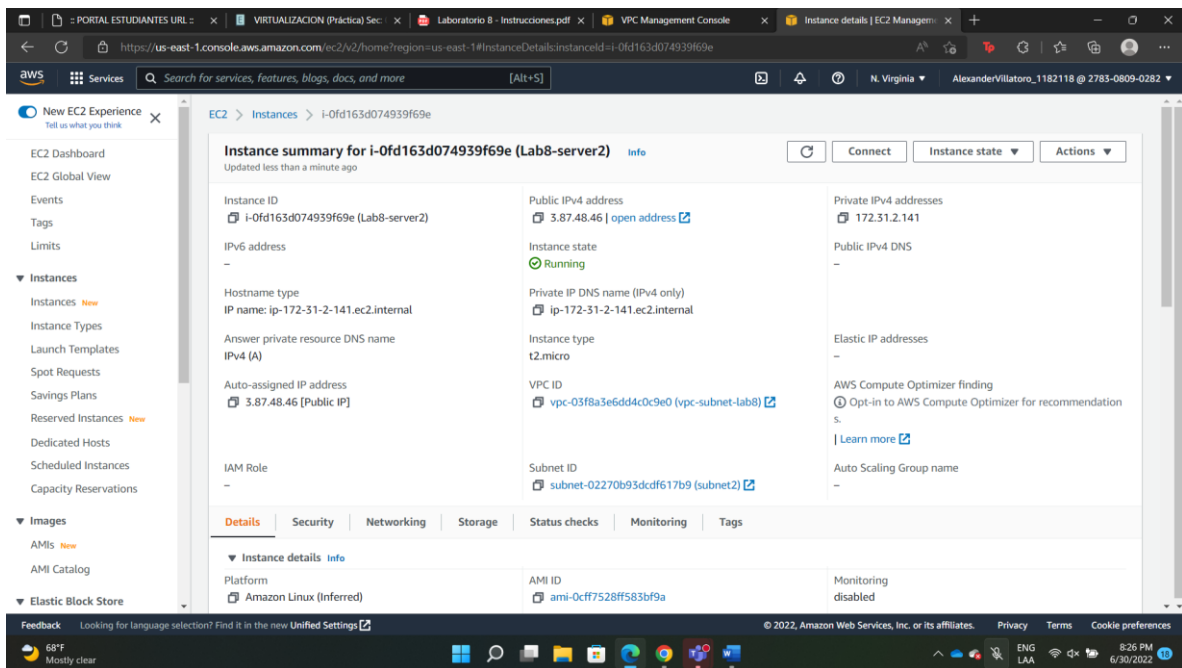




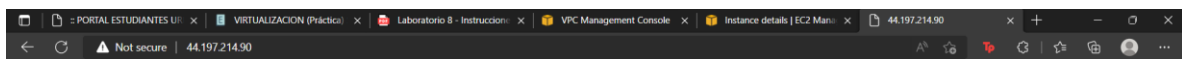
2. Crear 2 instancias EC2, cada una en Subnet diferente y con IP Publica. Utilizar el SG creado en el paso anterior.

a. Screenshot de cada EC2 y su descripción.



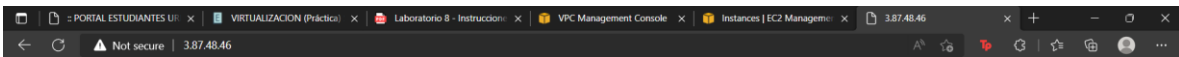


c. Screenshot del sitio web corriendo en cada instancia.



Server 1





Server 2



3. Crear un Target Group para un Load Balancer. a. Screenshot del target group creado y configurado

Successfully created target group: Laboratorio8

EC2 > Target groups

Target groups (1/1) info

Search or filter target groups

Name	ARN	Port	Protocol	Target type	Load balancer
Laboratorio8	arn:aws:elasticloadbalancing...	80	HTTP	Instance	None associated

Target group: Laboratorio8

Registered targets (2)

Filter resources by property or value

Instance ID	Name	Port	Zone	Health status	Health status details
i-0fd163d074939f69e	Lab8-server2	80	us-east-1b	unused	Target group is not configured to receive traffic from the load balancer
i-072d577ddb4cc1c2b	Lab8-server1	80	us-east-1a	unused	Target group is not configured to receive traffic from the load balancer

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Search for services, features, blogs, docs, and more

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EC2 Dashboard
EC2 Global View
Events
Tags
Limits

Instances
Instances **New**
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances **New**
Dedicated Hosts
Scheduled Instances
Capacity Reservations

Images
AMIs **New**
AMI Catalog

Elastic Block Store

Create Load Balancer Actions

Filter by tags and attributes or search by keyword

Name	DNS name	State	VPC ID	Availability Zones	Type	Create
Laboratorio8	Laboratorio8-2086962073 us...	Provisioning	vpc-03f8a3e6dd4c0c9e0	us-east-1b, us-east-1a	application	June 3

Load balancer: Laboratorio8

Description Listeners Monitoring Integrated services Tags

Basic Configuration

Name Laboratorio8

ARN [arn:aws:elasticloadbalancing:us-east-1:278308090282:loadbalancer/app/Laboratorio8/4e005ab77c9b0eca](#)

DNS name [Laboratorio8-2086962073.us-east-1.elb.amazonaws.com](#) (A Record)

State Provisioning

Type application

Scheme Internet-facing

IP address type **ipv4** [Edit IP address type](#)

VPC [vpc-03f8a3e6dd4c0c9e0](#)

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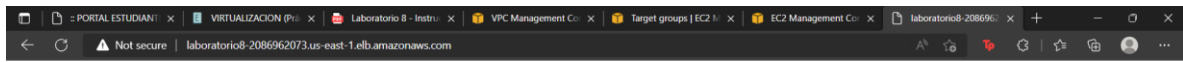
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Not secure | laboratorio8-2086962073.us-east-1.elb.amazonaws.com

Server 1

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Server 2

