

Module 9 Guided Lab - Creatin

vpcs | VPC Console

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

Services

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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

Security

Network ACLs

Your VPCs (1/2) info

Search

Actions

Create VPC

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP o
-	vpc-065ddb91a34468a1c	Available	172.31.0.0/16	-	dopt-0e
Lab VPC	vpc-0a29b6f95b164036a	Available	10.0.0.0/16	-	dopt-0e

vpc-0a29b6f95b164036a / Lab VPC

Details

Resource map

CIDRs

Flow logs

Tags

Integrations

Details

VPC ID

vpc-0a29b6f95b164036a

State

Available

DNS hostnames

Enabled

DNS resolution

Enabled

Tenancy

Default

DHCP option set

dopt-0e34fb6e1b3d7108c

Main route table

rtb-0fda6fec0655d1630

Main network ACL

acl-053b63e3a9da4cc71

CloudShell

Feedback

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Module 9 Guided Lab - Creatin

RouteTables | VPC Console

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

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Network ACLs

Route tables (4) info

Find resources by attribute or tag

Actions

Create route table

Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
Private Route Table 1	rtb-075a89bcaa25b3802	2 subnets	-	No	vpc-0a29b6f95b164036a
-	rtb-009a81eeaf3938df3	-	-	Yes	vpc-065ddb91a34468a1c
-	rtb-0fda6fec0655d1630	-	-	Yes	vpc-0a29b6f95b164036a
Public Route Table	rtb-02774c937f0bbfbef	2 subnets	-	No	vpc-0a29b6f95b164036a

Select a route table

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NatGateways | VPC Console

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

Services

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VPC dashboard

EC2 Global View

Filter by VPC:

Select a VPC

Virtual private cloud

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Peering connections

Security

Network ACLs

NAT gateways (1) info

Find resources by attribute or tag

Actions

Create NAT gateway

Name	NAT gateway ID	Connectivity...	State	State message	Primary public I...	Primary priva
-	nat-00d3c792407237e57	Public	Available	-	75.101.177.251	10.0.0.18

Select a NAT gateway

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Module 9 Guided Lab - Creatin x SecurityGroups | VPC Console x Load balancers | EC2 | us-east-1 x +

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

aws Services Search [Alt+S]

EC2 > Load balancers

Introducing resource map for Application Load Balancers
Resource map is a visual representation of the relationships between load balancer resources and provides the ability to view, explore, and troubleshoot the architecture of your load balancer. Resource map can be viewed on the load balancers detail page. Share feedback to help us improve your experience.

Give feedback X

Load balancers
Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Filter load balancers

0 load balancers selected
Select a load balancer above.

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Module 9 Guided Lab - Creatin x SecurityGroups | VPC Console x Load balancer details | EC2 | us-east-1 x Target group details | EC2 | us-east-1 x SecurityGroup | EC2 | us-east-1 x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LoadBalancerloadBalancerArn=arn:aws:elasticloadbalancing:us-east-1:992382470307:loadbalancer/app/Inventory-LB/643...

aws Services Search [Alt+S]

EC2 Dashboard x

EC2 Global View

Events

Console-to-Code Preview

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Successfully created load balancer: Inventory-LB
It might take a few minutes for your load balancer to fully set up and route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.

EC2 > Load balancers > Inventory-LB

Inventory-LB

Give feedback X

Introducing resource map for Application Load Balancers
Resource map is a visual representation of the relationships between load balancer resources and provides the ability to view, explore, and troubleshoot the architecture of your load balancer. Resource map can be viewed on the load balancers detail page. Share feedback to help us improve your experience.

Details

Load balancer type Application	Status Provisioning	VPC vpc-0a29b6f95b164036a	IP address type IPv4
Scheme Internet-facing	Hosted zone Z35SXDOTRQ7X7K	Availability Zones subnet-01207c2517c8f1fef us-east-1a (use1-az2) subnet-01c195b0bdb78d1c3 us-east-1b (use1-az4)	Date created March 3, 2024, 17:30 (UTC+05:30)

Load balancer ARN

DNS name

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Module 9 Guided Lab - Creatin x SecurityGroups | VPC Console x Load balancers | EC2 | us-east-1 x Create Image | EC2 | us-east-1 x

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateImage:instanceId=i-0ec469e8ba842bccf

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EC2 Dashboard x EC2 Global View Events Console-to-Code Preview

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

Images AMIs AMI Catalog

Elastic Block Store Volumes Snapshots

CloudShell Feedback

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive) Any state

Instance state = running X Clear filters

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm
<input checked="" type="checkbox"/>	Web Server 1	i-0ec469e8ba842bccf	Running	t2.micro	2/2 checks passed	View

Create image Create template from instance Launch more like this

Instance: i-0ec469e8ba842bccf (Web Server 1)

Details Status and alarms New Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID i-0ec469e8ba842bccf (Web Server 1)	Public IPv4 address 44.202.118.53 open address	Private IPv4 addresses 10.0.0.71
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-44-202-118-53.compute-1.amazonaws.com open address
Hostname type IP name: ip-10-0-0-71.ec2.internal	Private IP DNS name (IPv4 only) ip-10-0-0-71.ec2.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	

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Module 9 Guided Lab - Creatin x SecurityGroups | VPC Console x Load balancers | EC2 | us-east-1 x Auto Scaling groups | EC2 | us-east-1 x Images | EC2 | us-east-1 x

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

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Images AMIs AMI Catalog

Elastic Block Store Volumes Snapshots Lifecycle Manager

Network & Security Security Groups Elastic IPs Placement Groups Key Pairs Network Interfaces

Load Balancing Load Balancers Target Groups Trust Stores New

Auto Scaling Auto Scaling Groups

EC2 > Auto Scaling groups

Auto Scaling groups (0) Info

Launch configurations Launch templates Actions Create Auto Scaling group

Search your Auto Scaling groups

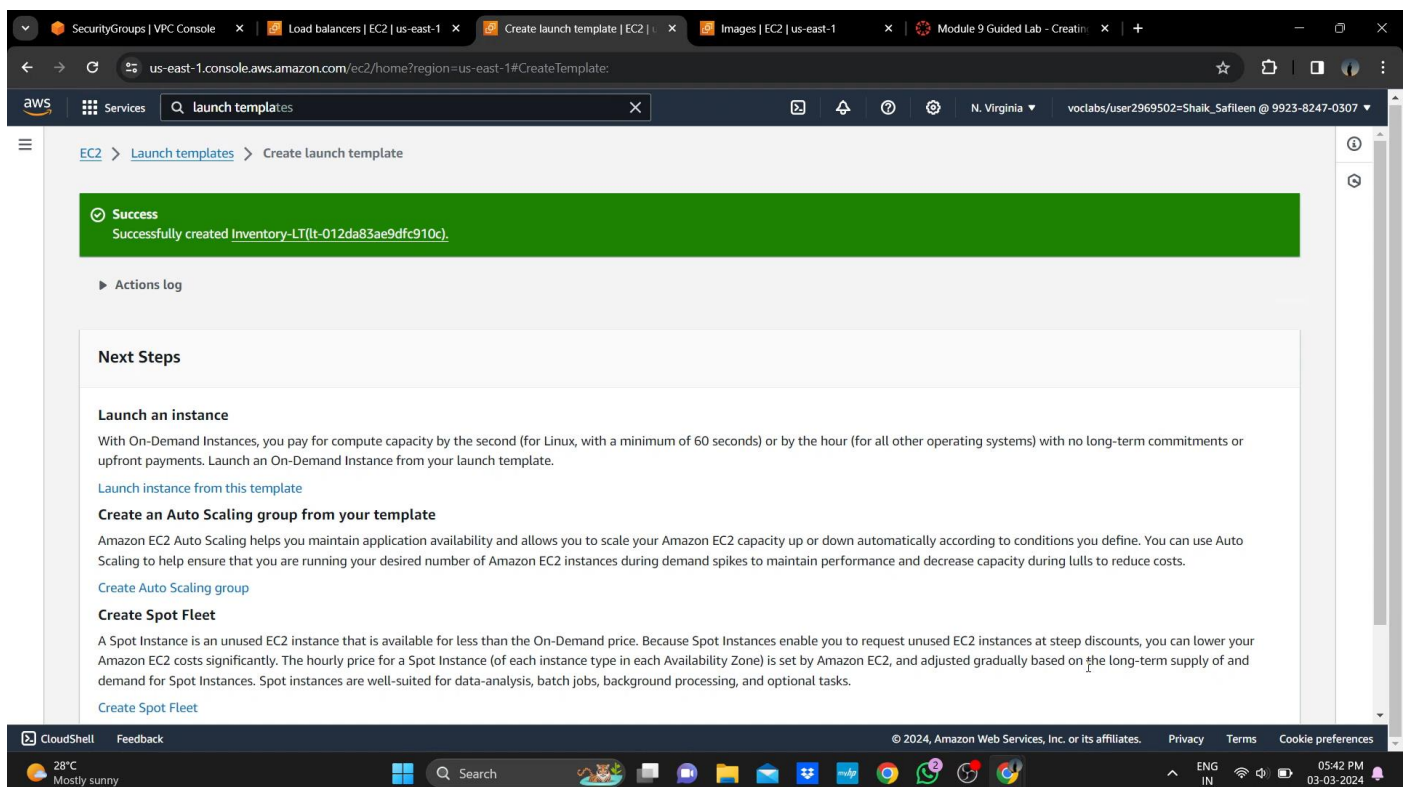
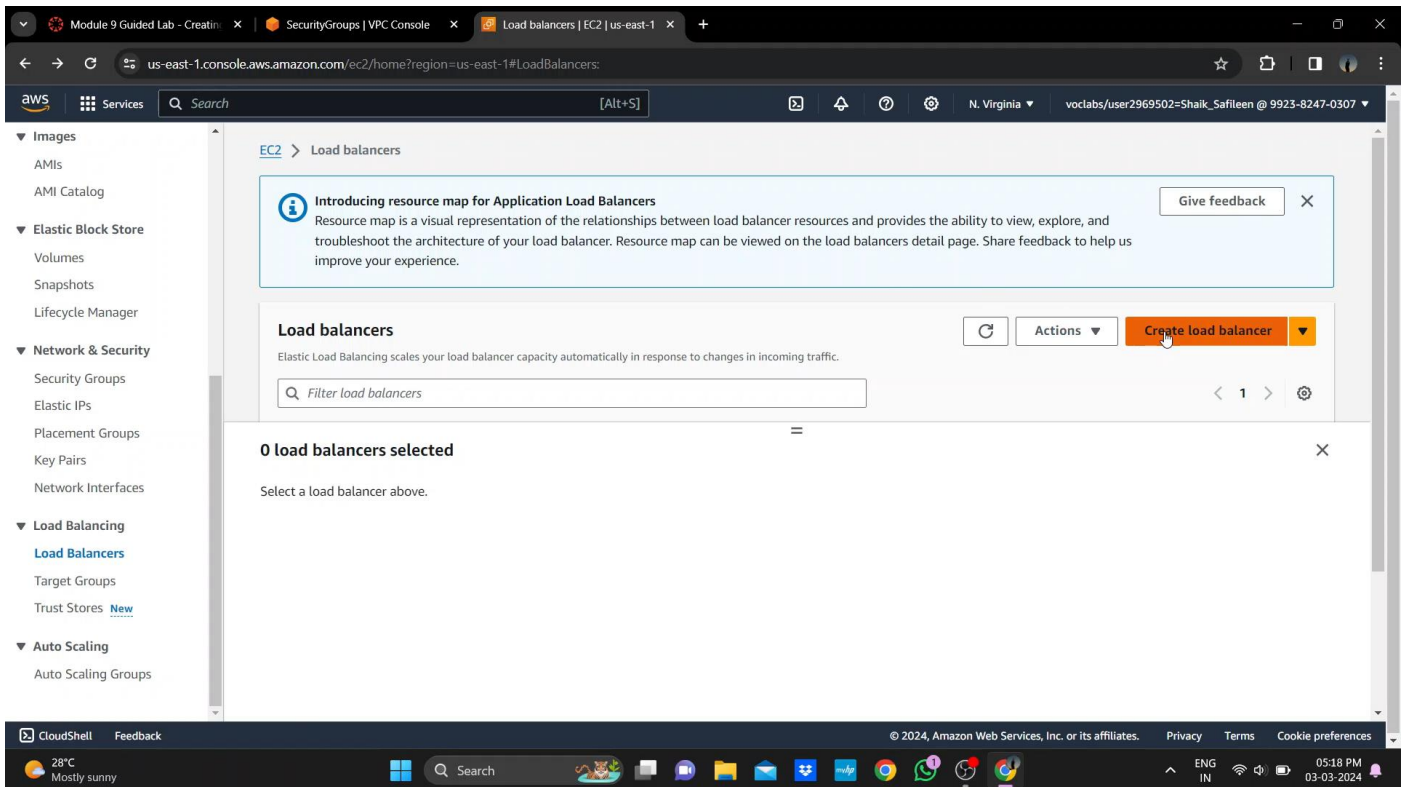
<input type="checkbox"/>	Name	Launch template/configuration	Instances	Status	Desired capacity	Min
--------------------------	------	-------------------------------	-----------	--------	------------------	-----

0 Auto Scaling groups selected

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SecurityGroups | VPC Console

SecurityGroups | EC2 | us-east-1

Auto Scaling groups | EC2 | us-east-1

Images | EC2 | us-east-1

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

Services

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EC2 Dashboard

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Inbound security group rules successfully modified on security group (sg-03317553031ccf1e4 | Inventory-App)

Details

Security Groups (7) Info

Find resources by attribute or tag

	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	-	sg-01cd2825f6cf09a24	Inventory- LB	vpc-0a29b6f95b164036a	Enable wel
<input type="checkbox"/>	-	sg-0829c317f1357eb5e	Inventory-LB	vpc-0a29b6f95b164036a	Enable wel
<input type="checkbox"/>	-	sg-023d8e4e3a12db30d	default	vpc-065ddb91a34468a1c	default VP
<input type="checkbox"/>	Inventory-App	sg-03317553031ccf1e4	Inventory-App	vpc-0a29b6f95b164036a	Enable acco

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SecurityGroups | VPC Console

SecurityGroups | EC2 | us-east-1

Auto Scaling groups | EC2 | us-east-1

Images | EC2 | us-east-1

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

Services

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Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

Load Balancing

Load Balancers

Target Groups

Trust Stores

New

Auto Scaling

Auto Scaling Groups

Inbound security group rules successfully modified on security group (sg-0c23098e5c8a2759a | Inventory-DB)

Details

Security Groups (7) Info

Find resources by attribute or tag

	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	Inventory-DB	sg-0c23098e5c8a2759a	Inventory-DB	vpc-0a29b6f95b164036a	Enable acco
<input type="checkbox"/>	-	sg-01cd2825f6cf09a24	Inventory- LB	vpc-0a29b6f95b164036a	Enable wel
<input type="checkbox"/>	-	sg-0829c317f1357eb5e	Inventory-LB	vpc-0a29b6f95b164036a	Enable wel
<input type="checkbox"/>	-	sg-023d8e4e3a12db30d	default	vpc-065ddb91a34468a1c	default VP

CloudShell

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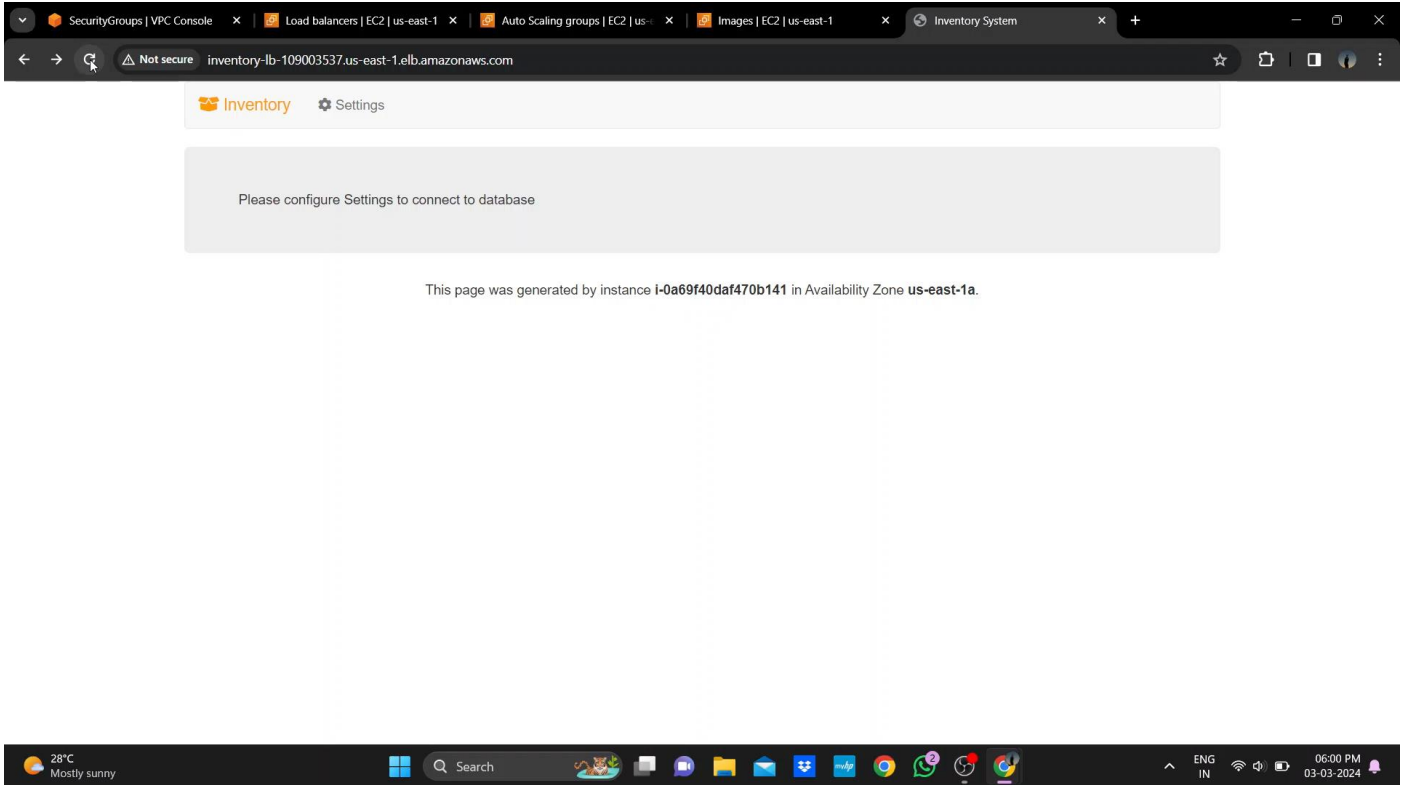
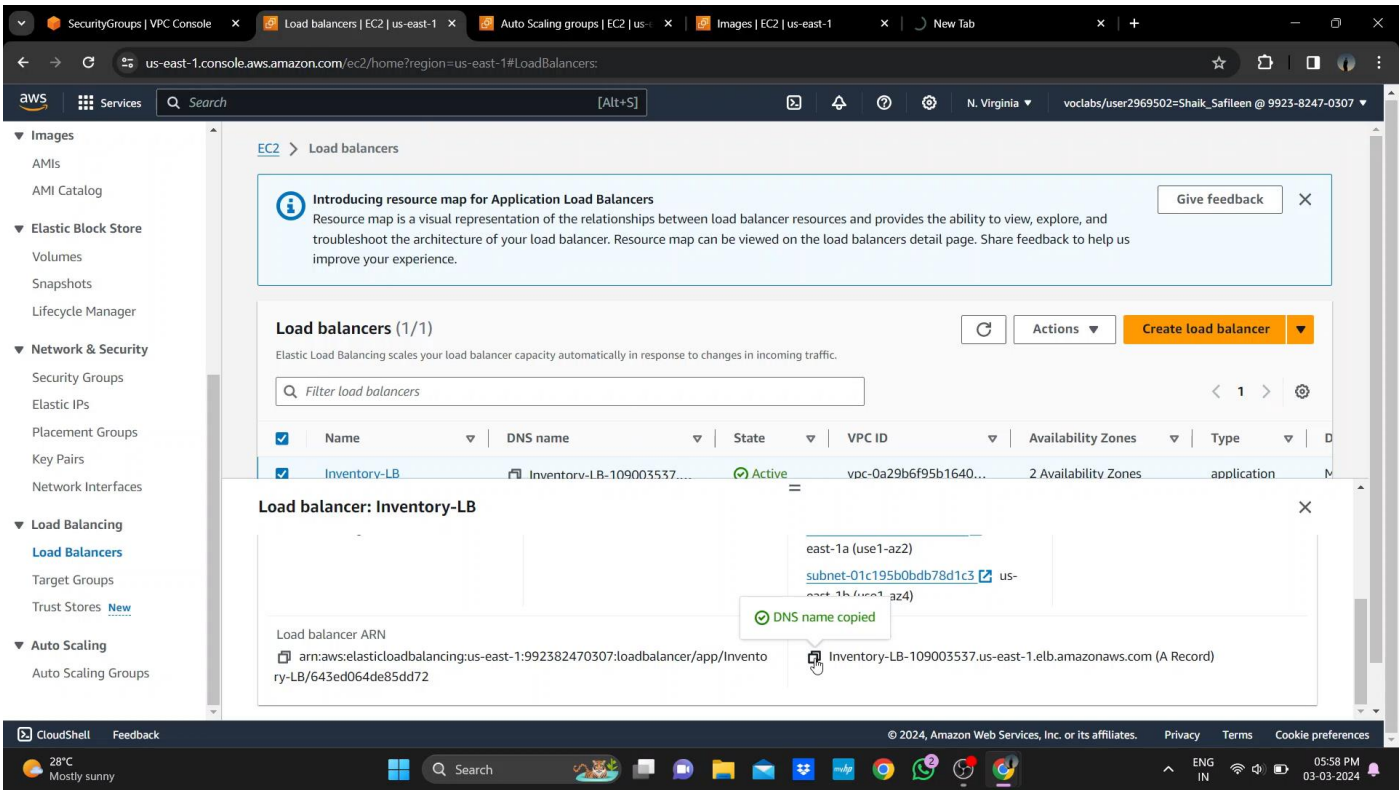
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Search

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

Instances (1/3) Info

Find Instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status
Inventory-App	i-05a51bc9990d1c7ae	Running	t2.micro	2/2 checks passed
Inventory-App	i-0a69f40daf470b141	Running	t2.micro	2/2 checks passed
Web Server 1	i-0ec469e8ba842bccf	Running	t2.micro	2/2 checks passed

Instance: i-05a51bc9990d1c7ae (Inventory-App)

Details | Status and alarms New | Monitoring | Security | Networking | Storage | Tags

Instance summary Info

Instance ID	i-05a51bc9990d1c7ae (Inventory-App)	Public IPv4 address	-	Private IPv4 addresses	10.0.4.227
IPv6 address	-	Instance state	Running	Public IPv4 DNS	-
Hostname type	-	Private IP DNS name (IPv4 only)	ip-10-0-4-227.ec2.internal	Elastic IP addresses	-
IP name	ip-10-0-4-227.ec2.internal	Instance type	t2.micro	AWS Compute Optimizer finding	-
Answer private resource DNS name	-	VPC ID	-		
Auto-assigned IP address	-				

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

Successfully terminated i-05a51bc9990d1c7ae

Instances (1/3) Info

Find Instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
Inventory-App	i-05a51bc9990d1c7ae	Running	t2.micro	2/2 checks passed	View alarms
Inventory-App	i-0a69f40daf470b141	Running	t2.micro	2/2 checks passed	View alarms
Web Server 1	i-0ec469e8ba842bccf	Running	t2.micro	2/2 checks passed	View alarms

Instance: i-05a51bc9990d1c7ae (Inventory-App)

Details | Status and alarms New | Monitoring | Security | Networking | Storage | Tags

Instance summary Info

Instance ID	i-05a51bc9990d1c7ae (Inventory-App)	Public IPv4 address	-	Private IPv4 addresses	10.0.4.227
IPv6 address	-	Instance state	Running	Public IPv4 DNS	-
Hostname type	-	Private IP DNS name (IPv4 only)	ip-10-0-4-227.ec2.internal	Elastic IP addresses	-
IP name	ip-10-0-4-227.ec2.internal	Instance type	t2.micro	AWS Compute Optimizer finding	-
Answer private resource DNS name	-	VPC ID	-		
Auto-assigned IP address	-				