

## Task 4

## 1-Create VPC with public and private subnets

-VPC

VPC

>

Your VPCs

>

vpc-00b0b1efbb5968237

vpc-00b0b1efbb5968237 / lec3-vpc

Actions

Details

Info

VPC ID

vpc-00b0b1efbb5968237

Tenancy

Default

Default VPC

No

Network Address Usage metrics

Disabled

State

Available

DHCP option set

dopt-0c7aa65913755a586

IPv4 CIDR

10.0.0.0/16

Route 53 Resolver DNS Firewall rule groups

-

DNS hostnames

Disabled

Main route table

rtb-0a6ca7610411d9c29

IPv6 pool

-

Owner ID

34362032911

DNS resolution

Enabled

Main network ACL

acl-07a8627b18b1487f0

IPv6 CIDR (Network border group)

-

Resource map

CIDRs

Flow logs

Tags

Integrations

Resource map

Info

VPC

Show details

Your AWS virtual network

lec3-vpc

Subnets (0)

Subnets within this VPC

Route tables (1)

Route network traffic to resources

rtb-0a6ca7610411d9c29

Network connections (0)

Connections to other networks

-Public subnet

Subnets (1/1) [Info](#)

Subnet ID : subnet-0722e2f9337c150ca

Clear filters

Last updated less than a minute ago

Actions

Create subnet

<input checked="" type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	IPv6 CIDR association
<input checked="" type="checkbox"/>	lec3-public-subnet	<a href="#">subnet-0722e2f9337c150ca</a>	Available	<a href="#">vpc-00b0b1efbb5968237</a>   <a href="#">lec3-vpc</a>	10.0.1.0/24	-	-

subnet-0722e2f9337c150ca / lec3-public-subnet

Details

Flow logs

Route table

Network ACL

CIDR reservations

Sharing

Tags

Details

Subnet ID

☐ subnet-0722e2f9337c150ca

Available IPv4 addresses

☐ 251

Availability Zone ID

☐ use1-az6

Network ACL

-

Auto-assign customer-owned IPv4 address

No

IPv6 CIDR reservations

-

Resource name DNS AAAA record

Disabled

Subnet ARN

☐ arn:aws:ec2:us-east-1:034362032911:subnet/subnet-0722e2f9337c150ca

IPv6 CIDR

-

Network border group

☐ us-east-1

Default subnet

No

Customer-owned IPv4 pool

-

IPv6-only

No

State

Available

IPv4 CIDR association ID

-

VPC

[vpc-00b0b1efbb5968237](#) | [lec3-vpc](#)

Auto-assign public IPv4 address

No

Outpost ID

-

Hostname type

IP name

IPv4 CIDR

☐ 10.0.1.0/24

Availability Zone

☐ us-east-1a

Route table

-

Auto-assign IPv6 address

No

IPv4 CIDR reservations

-

Resource name DNS A record

Disabled

# Task 4

## -Private subnet

Subnets (1/1) Info

Last updated less than a minute ago

Actions

Create subnet

Find resources by attribute or tag

Subnet ID : subnet-09b923d2657aec13c

Clear filters

<input checked="" type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	IPv6 CIDR association
<input checked="" type="checkbox"/>	lec3-private-subnet	subnet-09b923d2657aec13c	Available	vpc-00b0b1efbb5968237   lec3...	10.0.2.0/24	-	-

subnet-09b923d2657aec13c / lec3-private-subnet

Details | Flow logs | Route table | Network ACL | CIDR reservations | Sharing | Tags

Details

Subnet ID

subnet-09b923d2657aec13c

Available IPv4 addresses

251

Availability Zone ID

use1-az6

Network ACL

-

Auto-assign customer-owned IPv4 address

No

IPv6 CIDR reservations

-

Resource name DNS AAAA record

-

Subnet ARN

arn:aws:ec2:us-east-1:034362032911:subnet/subnet-09b923d2657aec13c

IPv6 CIDR

-

Network border group

us-east-1

Default subnet

No

Customer-owned IPv4 pool

-

IPv6-only

No

State

Available

IPv6 CIDR association ID

-

VPC

vpc-00b0b1efbb5968237 | lec3-vpc

Auto-assign public IPv4 address

No

Outpost ID

-

Hostname type

IP name

Owner

-

IPv4 CIDR

10.0.2.0/24

Availability Zone

us-east-1a

Route table

-

Auto-assign IPv6 address

No

IPv4 CIDR reservations

-

Resource name DNS A record

Disabled

2-Create igw then attach it with public subnet

3-Create NAT gateway then attach it with private subnet via route table

vpc-00b0b1efbb5968237 / lec3-vpc

Details | Resource map | CIDRs | Flow logs | Tags | Integrations

Resource map Info

VPC

Show details

Your AWS virtual network

lec3-vpc

Subnets (2)

Subnets within this VPC

us-east-1a

lec3-public-subnet

lec3-private-subnet

Route tables (2)

Route network traffic to resources

rtb-0a6ca7610411d9c29

lec3-routtable

Network connections (2)

Connections to other networks

lec3-igw

lec3-nat-gtw

# Task 4

## 4-Create ec2 instance inside public subnet

Instances (1/3) Info

Last updated less than a minute ago

Refresh

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
<input checked="" type="checkbox"/>	lec3-pinstance	i-040e7f3dc45532822	Running	t2.micro	2/2 checks passec	View alarms +	us-east-1a	-	3.88.4.64
<input type="checkbox"/>	privatte-ec2	i-0781912f62314dad1	Running	t2.micro	2/2 checks passec	View alarms +	us-east-1b	-	-
<input type="checkbox"/>	public-ec2	i-096aab7433c342800	Running	t2.micro	2/2 checks passec	View alarms +	us-east-1b	-	18.215.126.23

i-040e7f3dc45532822 (lec3-pinstance)

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

Instance summary Info

Instance ID  
i-040e7f3dc45532822 (lec3-pinstance)

IPv6 address  
-

Hostname type  
IP name: ip-10-0-1-183.ec2.internal

Answer private resource DNS name  
-

Auto-assigned IP address  
3.88.4.64 [Public IP]

IAM Role  
No roles attached to Instance profile: lec3-access-s3

IMDSv2  
Required

Public IPv4 address  
3.88.4.64 | open address

Instance state  
Running

Private IP DNS name (IPv4 only)  
ip-10-0-1-183.ec2.internal

Instance type  
t2.micro

VPC ID  
vpc-00b0b1efbb5968237 (lec3-vpc)

Subnet ID  
subnet-0722e2f9337c150ca (lec3-public-subnet)

Instance ARN  
arn:aws:ec2:us-east-1:034362032911:instance/i-040e7f3dc45532822

Private IPv4 addresses  
10.0.1.183

Public IPv4 DNS  
-

Elastic IP addresses  
-

AWS Compute Optimizer finding  
Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Auto Scaling Group name  
-

## 3-Create s3 bucket

General purpose buckets (2) Info

All AWS Regions

Refresh

Copy ARN

Empty

Delete

Create bucket

Find buckets by name

	Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/>	lec3-bucket	US East (N. Virginia) us-east-1	View analyzer for us-east-1	August 25, 2024, 12:08:24 (UTC+03:00)
<input type="radio"/>	myyfirsttbuckett	US East (N. Virginia) us-east-1	View analyzer for us-east-1	August 25, 2024, 09:34:00 (UTC+03:00)

# Task 4

## 6- Create IAM role to access s3 bucket and give this role to ec2

AM > Roles > lec3-access-s3

lec3-access-s3

Info

Delete

Allows EC2 Instances to call AWS services on your behalf.

Summary

Edit

Creation date

August 25, 2024, 12:11 (UTC+03:00)

ARN

arn:aws:iam::034362032911:role/lec3-access-s3

Instance profile ARN

arn:aws:iam::034362032911:instance-profile/lec3-access-s3

Last activity

37 minutes ago

Maximum session duration

1 hour

Permissions

Trust relationships

Tags

Access Advisor

Revoke sessions

Permissions policies (2)

Info

Simulate

Remove

Add permissions

You can attach up to 10 managed policies.

Search

Filter by Type

All types

< 1 >

Policy name	Type	Attached entities
<div>AmazonS3FullAccess</div>	AWS managed	2
<div>AmazonS3ReadOnlyAccess</div>	AWS managed	1

Permissions boundary

(not set)

Attached entities

Roles

lec3-access-s3

Role-s3

2

1

Attached entities

Roles

lec3-access-s3

## Task 4

7-Now using terminal upload file after you access the ec2 instance

[illegible]

[Amazon S3](#) > [Buckets](#) > [lec3-bucket](#)

## lec3-bucket [Info](#)

[Objects](#) | [Properties](#) | [Permissions](#) | [Metrics](#) | [Management](#) | [Access Points](#)

**Objects (2)** [Info](#)

Refresh

Copy S3 URI

Copy S3 URI

Download

Open

Delete

Actions

Create folder

Upload



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](#)

<

1

>

Settings

<input type="checkbox"/>	Name ▲	Type ▼	Last modified ▼	Size ▼	Storage class ▼
<input type="checkbox"/>	 <a href="#">lec3-testt.odt</a>	odt	August 25, 2024, 14:18:02 (UTC+03:00)	9.3 KB	Standard
<input type="checkbox"/>	 <a href="#">test2.odt</a>	odt	August 25, 2024, 14:34:10 (UTC+03:00)	9.3 KB	Standard