

From Local **API** to **Cloud Deployment:**



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Aspiring Data Analyst | API & Cloud
Enthusiast



AWS EC2 Instance

aws

Search

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EC2

Instances

i-0e8e6a2cf382fe7cd

EC2

<

Dashboard

AWS Global View

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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

Lifecycle Manager

Instance summary for i-0e8e6a2cf382fe7cd (Photo-store-api-env)

Info

Updated less than a minute ago

Instance ID

i-0e8e6a2cf382fe7cd

IPv6 address

—

Hostname type

IP name: ip-18.eu-north-1.compute.internal

Answer private resource DNS name

—

Auto-assigned IP address

—

IAM Role

aws-elasticbeanstalk-ec2-role

IMDSv2

—

Public IPv4 address

—

open address

Instance state

Running

Private IP DNS name (IPv4 only)

—

Instance type

t3.micro

VPC ID

vpc-0b8f94ff7382e1415

Subnet ID

subnet-01f001c649e224434

Instance ARN

arn:aws:ec2:eu-north-1:123456789012:instance/i-0e8e6a2cf382fe7cd

CloudShell

Feedback

RDS Security Groups

aws

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⚙

Europe (Stockholm)

☰

Aurora and RDS

>

Databases

>

photo-store-db

no proxies

You don't have any proxies

Create proxy

Security group rules (6)

Q

Filter by Security group rules

Security group	Type	Rule
default (sg-0da61a609f3b3024c)	CIDR/IP - Inbound	
default (sg-0da61a609f3b3024c)	EC2 Security Group - Inbound	sg-0da61a609f3b3024c
default (sg-0da61a609f3b3024c)	CIDR/IP - Outbound	
rds-ec2-2 (sg-0c0ef663f56424754)	EC2 Security Group - Inbound	sg-07b60f769bdf6c2a1
rds-ec2-2 (sg-0c0ef663f56424754)	EC2 Security Group - Inbound	sg-0851b210d95d714a8
rds-ec2-3 (sg-02b8d54086b826d3d)	EC2 Security Group - Inbound	sg-00cd41898caf43025

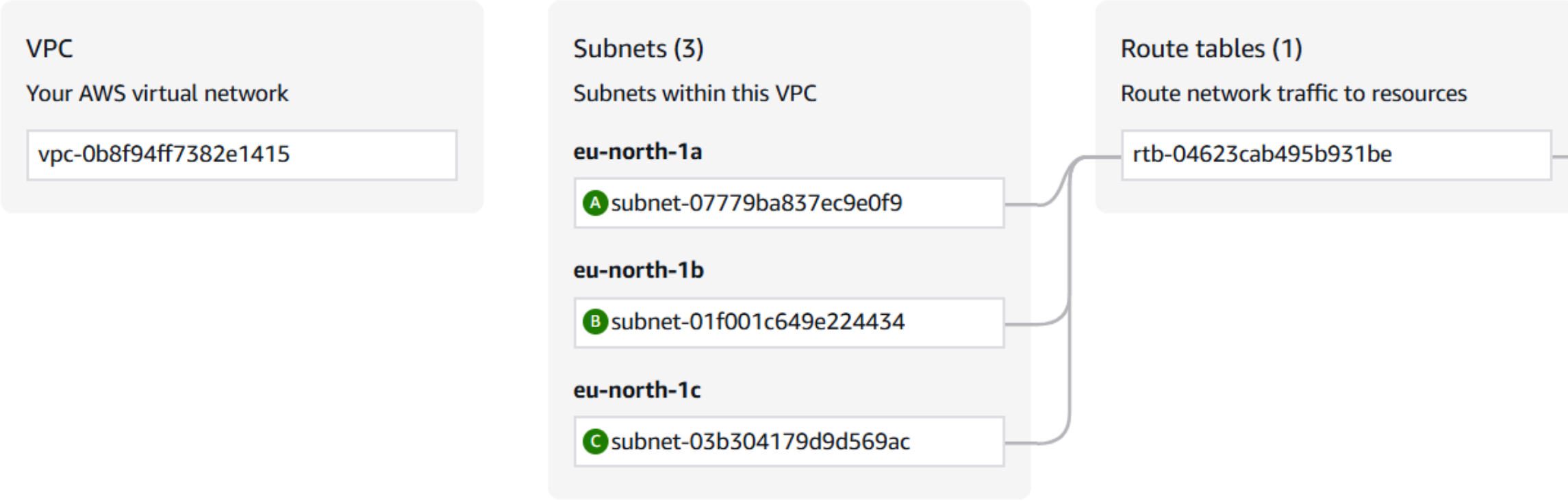
AWS VPC Resource

Main network ACL IPv6 CIDR (Network border group) –	Default VPC No Network Address Usage metrics Disabled	IPv4 CIDR Route 53 Resolver DNS Firewall rule group –
--	--	---

- Resource map
- CIDRs
- Flow logs
- Tags
- Integrations

Resource map

Info



AWS IAM Rules

Roles (6) [Info](#)

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assigned to users, groups, or service-linked roles.

<input type="checkbox"/>	Role name	▲	Trusted entities
<input type="checkbox"/>	aws-elasticbeanstalk-ec2-role		AWS Service: ec2
<input type="checkbox"/>	aws-elasticbeanstalk-service-role		AWS Service: elasticbeanstalk
<input type="checkbox"/>	AWSServiceRoleForAutoScaling		AWS Service: autoscaling (Service-Linked Role)
<input type="checkbox"/>	AWSServiceRoleForRDS		AWS Service: rds (Service-Linked Role)
<input type="checkbox"/>	AWSServiceRoleForSupport		AWS Service: support (Service-Linked Role)
<input type="checkbox"/>	AWSServiceRoleForTrustedAdvisor		AWS Service: trustedadvisor (Service-Linked Role)

Roles Anywhere [Info](#)

Authenticate your non AWS workloads and securely provide access to AWS services.



Access AWS from your non AWS workloads

Operate your non AWS workloads using the same authentication and authorization that you use for AWS.



X.509 Standard

Use your own existing PKI infrastructure or use [AWS Certificate Manager](#) to create and manage your own PKI infrastructure.

AWS EB Environment

aws

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[Elastic Beanstalk](#) > [Environments](#) > Photo-store-api-env

Photo-store-api-env

Info

Environment overview

Health

✔ Ok

Domain

Photo-store-api-env.eba-rbssntqv.eu-north-1.elasticbeanstalk.com

Environment ID

e-mkiyidaytu

Application name

photo-store-api

Events

Health

Logs

Monitoring

Alarms

Managed updates

Tags

EB Environment Variables

[Alt+S]

Europe (Stockholm)

> Photo-store-api-env > Configuration

Log streaming

Disabled

Rotate logs

Disabled

Proxy server

nginx

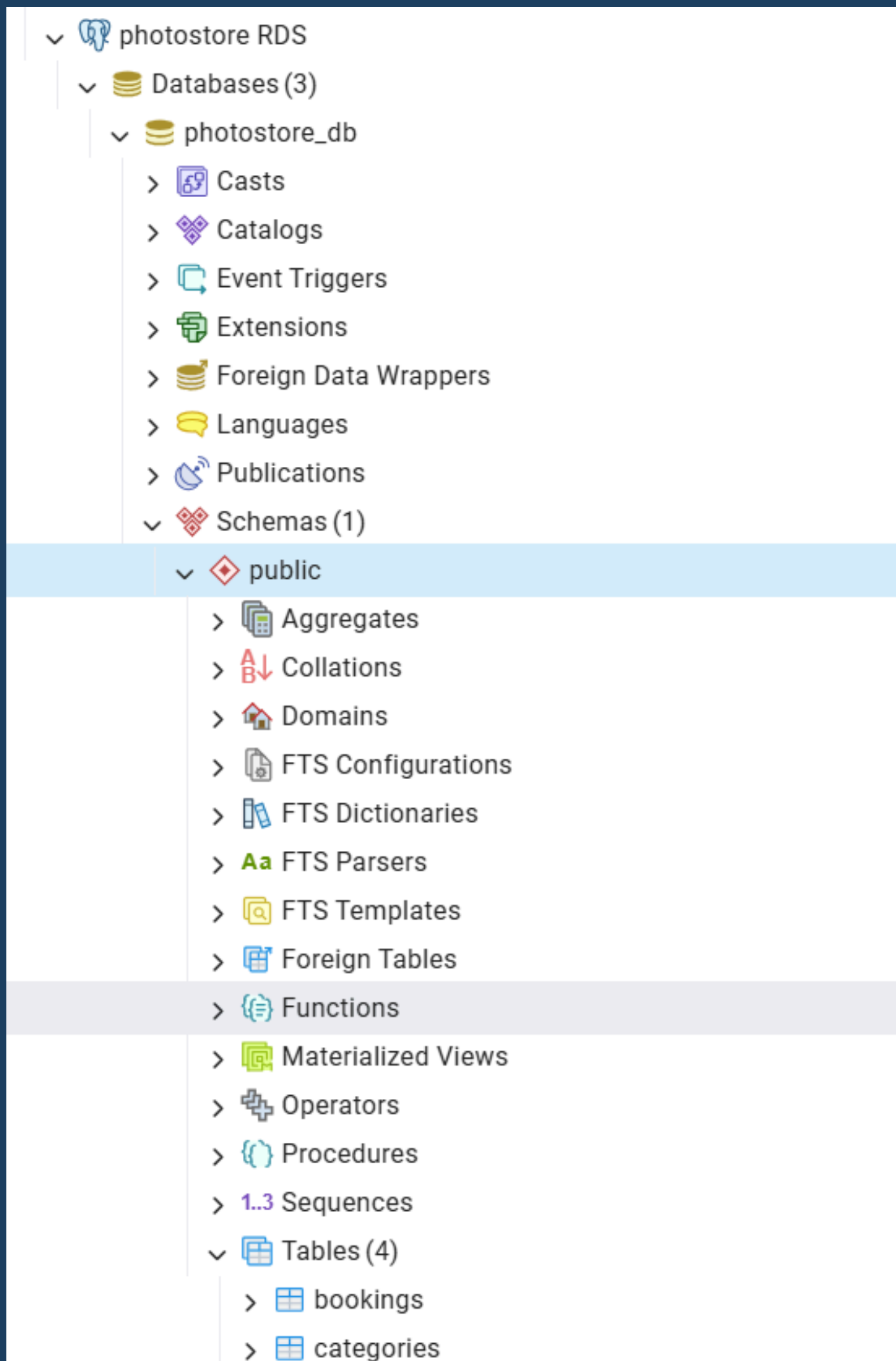
Update level

minor

▼ Key	▲ Value
DB_HOST	photo-store-db.c1064syucsh0.eu-north-1.rds.amazonaws.com
DB_NAME	photostore_db
DB_PASS	
DB_PORT	5432
DB_USER	photostoreapi
JWT_SECRET	
PORT	8080

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RDS DB connected to pgAdmin4



EB_Endpoint/auth/login

HTTP

RDS Photostore Lab B / Login Admin

Save

Share

POST

http://photo-store-api-env.eba-rbsntqv.eu-north-1.elasticbeanstalk.com/auth/login

Send

Params

Authorization

Headers (9)

Body

Scripts

Settings

Cookies

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JSON

Schema

Beautify

```
1 {
2   "email": "milon8910@gmail.com",
3   "password": "12345678"
4 }
```

Body

Cookies

Headers (7)

Test Results

200 OK • 834 ms • 397 B • Save Response

JSON

Preview

Visualize

```
1 {
2   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im91dG85MTA0IiwiaWF0IjoxNjU0MjM0MDAkbkdPeqViiM5mPI7a53Qc4K6RlPdy0aeAD8wsFMp1tU4"
3 }
```

EB_Endpoint/services

HTTP

RDS Photostore Lab B / Create Service

Save

▼

Share

🔗

POST

▼

http://photo-store-api-env.eba-rbssntqv.eu-north-1.elasticbeanstalk.com/services

Send

▼

Params

Authorization

Headers (10)

Body ●

Scripts

Settings

Cookies

Headers

👁 9 hidden

	Key	Value	Description	⋮	Bulk Edit	Presets ▼
<input checked="" type="checkbox"/>	Authorization	Bearer {{admin_token}}				
	Key	Value	Description			

Body

Cookies

Headers (7)

Test Results

🕒

201 Created

• 361 ms • 338 B • 🌐

📄 e.g. Save Response

⋮

{{

JSON

▼

▶ Preview

🖼 Visualize

▼

🔧

☰

🔍

📄

🔗

1

{

2

"id": 12,

3

"name": "Image Editing",

4

"description": "Advanced editing package",

5

"price": "80.00",

6

"category_id": 2

7

}

EB_Endpoint/bookings

HTTP

RDS Photostore Lab B / Create Booking

Save

▼

Share

POST

▼

http://photo-store-api-env.eba-rbssntqv.eu-north-1.elasticbeanstalk.com/bookings

Send

▼

Params

Authorization

Headers (10)

Body ●

Scripts

Settings

Cookies

Headers

9 hidden

	Key	Value	Description	...	Bulk Edit	Presets ▼
<input checked="" type="checkbox"/>	Authorization	Bearer {{customer_token}}				
	Key	Value	Description			

Body

Cookies

Headers (7)

Test Results

↺

201 Created

• 418 ms • 329 B •

Save Response

...

{{}}

JSON

▼

▶ Preview

Visualize

▼

≡

≡

🔍

```
1  {
2    "status": "pending",
3    "id": 16,
4    "user_id": 2,
5    "service_id": 1,
6    "booking_date": "2025-09-27T09:00:00.000Z"
7  }
```

List Bookings

HTTP

RDS Photostore Lab B / List Bookings

Save

Share

GET

http://photo-store-api-env.eba-rbssntqv.eu-north-1.elasticbeanstalk.com/bookings

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

Headers

7 hidden

	Key	Value	Description	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Authorization	Bearer {{admin_token}}				

Body

Cookies

Headers (7)

Test Results

200 OK • 776 ms • 1.43 KB • Save Response

JSON

Preview

Visualize

1

[

2

{

3

"id": 9,

4

"booking_date": "2025-09-25T10:00:00.000Z",

5

"status": "completed",

6

"user_id": 1,

7

"service_id": 1,

8

"user": {

9

"id": 1,

10

"name": "milon",

11

"email": "milon8910@gmail.com"

12

},

13

"service": {

14

"id": 1,

15

"name": "Basic Home Cleaning"

16

}

17

},

18

{

19

"id": 10,

20

"booking_date": "2025-09-26T14:30:00.000Z",

21

"status": "pending",



Thank You
For Reading This