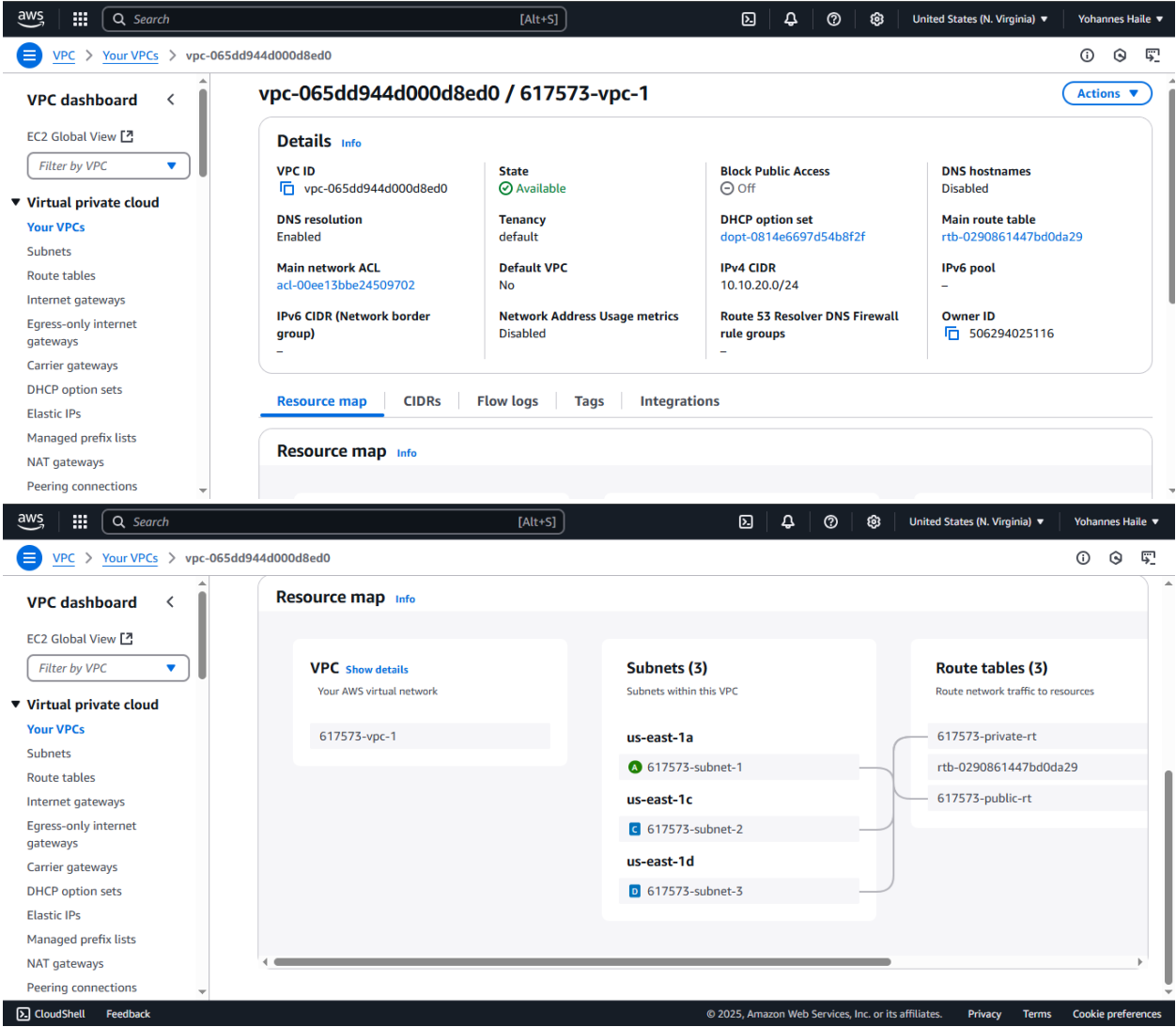


1. 1. VPC Overview



2. Route Table for Subnet 1

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VPC > Route tables > rtb-0bb9ef5991cc76987

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Info

Route table ID

rtb-0bb9ef5991cc76987

Main

No

Explicit subnet associations

subnet-047e0d5cbf287a2f5 / 617573-subnet-1

Edge associations

-

VPC

vpc-065dd944d000d8ed0 | 617573-vpc-1

Owner ID

506294025116

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (2)

Filter routes

Both

Edit routes

Destination	Target	Status	Propagated
0.0.0.0/0	igw-04a86488e4dc62dac	Active	No
10.10.20.0/24	local	Active	No

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Destination

10.10.20.0/24

Target

local

Status

Active

Propagated

No

0.0.0.0/0

X

local

X

Internet Gateway

X

igw-04a86488e4dc62dac

X

Add route

Cancel

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Info

Route table ID

rtb-0bb9ef5991cc76987

Main

No

Explicit subnet associations

subnet-047e0d5cbf287a2f5 / 617573-subnet-1

Edge associations

-

VPC

vpc-065dd944d000d8ed0 | 617573-vpc-1

Owner ID

506294025116

Routes

Subnet associations

Edge associations

Route propagation

Tags

Explicit subnet associations (1)

Find subnet association

Edit subnet associations

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
617573-subnet-1	subnet-047e0d5cbf287a2f5	10.10.20.0/28	-

Subnets without explicit associations (0)

Edit subnet associations

The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table.

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### 3. Route Table for Subnet 2

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**Details** [Info](#)

**Route table ID**  
[rtb-0749fa1db1a329669](#)

**VPC**  
[vpc-065dd944d000d8ed0](#) | [617573-vpc-1](#)

**Main**  
[No](#)

**Owner ID**  
[506294025116](#)

**Explicit subnet associations**  
[2 subnets](#)

**Edge associations**  
-

**Routes** | Subnet associations | Edge associations | Route propagation | Tags

**Routes (2)**

Filter routes

Destination	Target	Status	Propag...
0.0.0.0/0	<a href="#">nat-0b750859dbcfca226</a>	Active	No
10.10.20.0/24	local	Active	No

Both ▾ [Edit routes](#)

< 1 > ⚙

#### Edit routes

Destination	Target	Status	Propagated
10.10.20.0/24	local	Active	No
<input type="text" value="0.0.0.0/0"/>	<input type="text" value="local"/>		
	NAT Gateway	Active	No
	<input type="text" value="nat-0b750859dbcfca226"/>		

[Add route](#)

[Remove](#)

[Cancel](#) [Preview](#) [Save changes](#)

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**Route table ID**  
[rtb-0749fa1db1a329669](#)

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[vpc-065dd944d000d8ed0](#) | [617573-vpc-1](#)

**Main**  
[No](#)

**Owner ID**  
[506294025116](#)

**Explicit subnet associations**  
[2 subnets](#)

**Edge associations**  
-

**Subnet associations** | Routes | Edge associations | Route propagation | Tags

**Explicit subnet associations (2)**

Find subnet association

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
617573-subnet-2	<a href="#">subnet-0a226d43a2cfea96f</a>	10.10.20.16/28	-
617573-subnet-3	<a href="#">subnet-02c68dac34eacbc2a</a>	10.10.20.32/28	-

[Edit subnet associations](#)

**Subnets without explicit associations (0)**

[Edit subnet associations](#)

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subnet-047e0d5cbf287a2f5

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subnet-047e0d5cbf287a2f5 / 617573-subnet-1

Actions

Details

Subnet ID

subnet-047e0d5cbf287a2f5

IPv4 CIDR

10.10.20.0/28

Availability Zone

us-east-1a

Route table

rtb-0bb9ef5991cc76987 | 617573-public-rt

Auto-assign IPv6 address

No

IPv4 CIDR reservations

–

Resource name DNS A record

Disabled

Subnet ARN

arn:aws:ec2:us-east-1:506294025116:subnet/subnet-047e0d5cbf287a2f5

Available IPv4 addresses

9

Availability Zone ID

use1-az2

Network ACL

acl-00ee13bbe24509702

Auto-assign customer-owned IPv4 address

No

IPv6 CIDR reservations

–

State

Available

IPv6 CIDR

–

Network border group

us-east-1

Default subnet

No

Customer-owned IPv4 pool

–

IPv6-only

No

DNS64

Disabled

Block Public Access

Off

IPv6 CIDR association ID

–

VPC

vpc-065dd944d000d8ed0 | 617573-vpc-1

Auto-assign public IPv4 address

Yes

Outpost ID

–

Hostname type

IP name

Owner

506294025116

[https://us-east-1.console.aws.amazon.com/console/home?region=us-east-1](#)

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Route tables (1/1) Info

Last updated 1 minute ago

Actions

Create route table

Find resources by attribute or tag

Route table ID : rtb-0bb9ef5991cc76987

Clear filters

<input checked="" type="checkbox"/>	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
<input checked="" type="checkbox"/>	617573-public-rt	rtb-0bb9ef5991cc76987	subnet-047e0d5cbf287a...	-	No	vpc-

rtb-0bb9ef5991cc76987 / 617573-public-rt

Details

Routes

Subnet associations

Edge associations

Route propagation

Tags

Route table ID

rtb-0bb9ef5991cc76987

Main

No

Explicit subnet associations

subnet-047e0d5cbf287a2f5 /

Edge associations

-

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Details

Route table ID

rtb-0bb9ef5991cc76987

Main

No

Explicit subnet associations

subnet-047e0d5cbf287a2f5 / 617573-subnet-1

Edge associations

-

VPC

vpc-065dd944d000d8ed0 | 617573-vpc-1

Owner ID

506294025116

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (2)

Filter routes

Both

Edit routes

Destination	Target	Status	Propagated
0.0.0.0/0	igw-04a86488e4dc62dac	Active	No
10.10.20.0/24	local	Active	No

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Route tables

rtb-0bb9ef5991cc76987

Edit routes

Edit routes

Destination

10.10.20.0/24

Target

local

Q local

Internet Gateway

Q igw-04a86488e4dc62dac

Status

Active

Active

Propagated

No

No

Add route

Remove

Cancel

Preview

Save changes

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## 5. Subnet 2 Details



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rtb-0749fa1db1a329669 / 617573-private-rt

Details

Route table ID

rtb-0749fa1db1a329669

VPC

vpc-065dd944d000d8ed0 | 617573-vpc-1

Main

No

Owner ID

506294025116

Explicit subnet associations

2 subnets

Edge associations

-

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (2)

Filter routes

Both

Edit routes

Destination	Target	Status	Propagated
0.0.0.0/0	nat-0b750859dbfcfa226	Active	No
10.10.20.0/24	local	Active	No

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Route tables

rtb-0749fa1db1a329669

Edit routes

Edit routes

Destination

10.10.20.0/24

Target

local

Status

Active

Propagated

No

0.0.0.0/0

local

NAT Gateway

nat-0b750859dbfcfa226

Active

No

Remove

Add route

Cancel

Preview

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6. Subnet 3 Details

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VPC > Subnets > subnet-02c68dac34eaccb2a

subnets

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Carrier gateways

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Elastic IPs

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Peering connections

subnet-02c68dac34eaccb2a / 617573-subnet-3

Details

Subnet ID

subnet-02c68dac34eaccb2a

Subnet ARN

arn:aws:ec2:us-east-1:506294025116:subnet/subnet-02c68dac34eaccb2a

State

Available

Block Public Access

Off

IPv4 CIDR

10.10.20.32/28

Available IPv4 addresses

10

Network border group

us-east-1

Default subnet

No

Customer-owned IPv4 pool

-

IPv6 only

No

DNS64

Disabled

Availability Zone

us-east-1d

Availability Zone ID

use1-az1

Network ACL

acl-00ee13bbe24509702

Auto-assign IPv4 address

No

Auto-assign customer-owned IPv4 address

No

IPv4 CIDR reservations

-

IPv6 CIDR reservations

-

Resource name DNS A record

Disabled

IPv6 CIDR association ID

-

VPC

vpc-065dd944d000d8ed0 | 617573-vpc-1

Auto-assign public IPv4 address

No

Outpost ID

-

Hostname type

IP name

Owner

506294025116

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route tables

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Route tables (1/1) Info

Last updated 1 minute ago

Actions

Create route table

Find resources by attribute or tag

Route table ID : rtb-0749fa1db1a329669

Clear filters

1

Route table ID

rtb-0749fa1db1a329669

Explicit subnet associations

2 subnets

Edge associations

-

Main

No

VPC

vpc-065dd944d000d8ed0 | 617573-vpc-1

rtb-0749fa1db1a329669 / 617573-private-rt

Details

Route table ID

rtb-0749fa1db1a329669

Main

No

Explicit subnet associations

2 subnets

Edge associations

-

VPC

vpc-065dd944d000d8ed0 | 617573-vpc-1

Owner ID

506294025116

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VPC > Route tables > rtb-0749fa1db1a329669

Edit routes

Destination

10.10.20.0/24

Target

local

Status

Active

Propagated

No

0.0.0.0/0

NAT Gateway

Active

No

nat-0b750859dbcfca226

Add route

Cancel

Preview

Save changes

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## 7. Server 1 (Public EC2) Summary

**Instance summary for i-0faff10efc5d08bcf (617573-server-1)** Info

Updated less than a minute ago

<b>Instance ID</b> i-0faff10efc5d08bcf	<b>Public IPv4 address</b> 3.82.157.21   <a href="#">open address</a>	<b>Private IPv4 addresses</b> 10.10.20.8
<b>IPv6 address</b> -	<b>Instance state</b> Running	<b>Public IPv4 DNS</b> -
<b>Hostname type</b> IP name: ip-10-10-20-8.ec2.internal	<b>Private IP DNS name (IPv4 only)</b> ip-10-10-20-8.ec2.internal	<b>Elastic IP addresses</b> -
<b>Answer private resource DNS name</b> -	<b>Instance type</b> t3.micro	<b>AWS Compute Optimizer finding</b> Opt-in to AWS Compute Optimizer for recommendations. <a href="#">Learn more</a>
<b>Auto-assigned IP address</b> 3.82.157.21 [Public IP]	<b>VPC ID</b> vpc-065dd944d000d8ed0 (617573-vpc-1)	<b>Auto Scaling Group name</b> -
<b>IAM Role</b> -	<b>Subnet ID</b> subnet-047e0d5cbf287a2f5 (617573-subnet-1)	

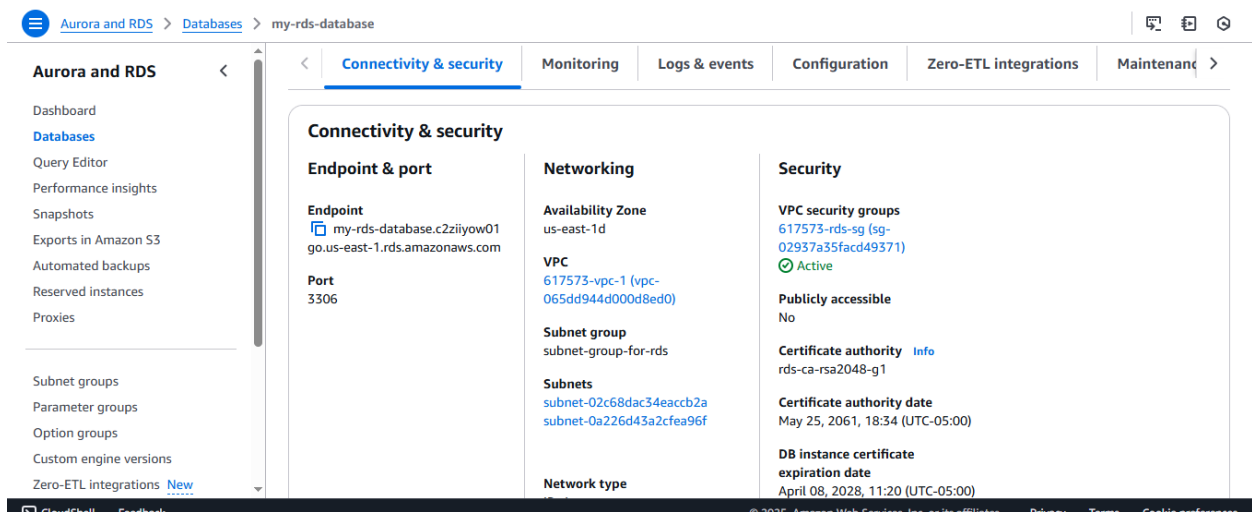
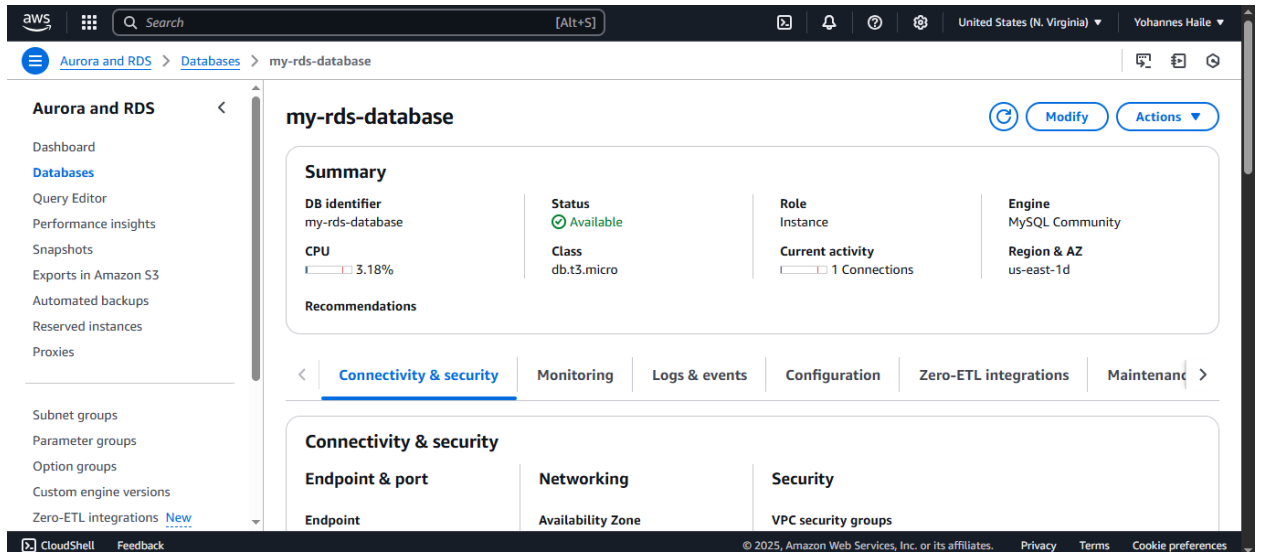
## 8. Server 2 (Private EC2) Summary

**Instance summary for i-0439951cf0326edfd (617573-server-2)** Info

Updated less than a minute ago

<b>Instance ID</b> i-0439951cf0326edfd	<b>Public IPv4 address</b> -	<b>Private IPv4 addresses</b> 10.10.20.26
<b>IPv6 address</b> -	<b>Instance state</b> Running	<b>Public IPv4 DNS</b> -
<b>Hostname type</b> IP name: ip-10-10-20-26.ec2.internal	<b>Private IP DNS name (IPv4 only)</b> ip-10-10-20-26.ec2.internal	<b>Elastic IP addresses</b> -
<b>Answer private resource DNS name</b> -	<b>Instance type</b> t3.micro	<b>AWS Compute Optimizer finding</b> Opt-in to AWS Compute Optimizer for recommendations. <a href="#">Learn more</a>
<b>Auto-assigned IP address</b> -	<b>VPC ID</b> vpc-065dd944d000d8ed0 (617573-vpc-1)	<b>Auto Scaling Group name</b> -
<b>IAM Role</b> -	<b>Subnet ID</b> subnet-0a226d43a2cfea96f (617573-subnet-2)	

## 9. RDS Summary, Connectivity & Security



## 10. RDS Security Group Inbound Rules

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AMI Catalog

sg-02937a35facd49371 - 617573-rds-sg

Details

Security group name

617573-rds-sg

Security group ID

sg-02937a35facd49371

Description

Allow MySQL access from VPC

VPC ID

vp-065dd944d000d8ed0

Owner

506294025116

Inbound rules count

1 Permission entry

Outbound rules count

1 Permission entry

Inbound rules

Outbound rules

Sharing - new

VPC associations - new

Tags

Inbound rules (1)

Search

Name

Security group rule ID

IP version

Type

Protocol

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Security Groups

sg-02937a35facd49371 - 617573-rds-sg

Edit inbound rules

Edit inbound rules

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules

Security group rule ID

Type

Protocol

Port range

Source

Description - optional

sgr-03502ea27f552ac9a

MYSQL/Aurora

TCP

3306

Cus...

10.10.20.0/24

Add rule

Cancel

Preview changes

Save rules

## 11. RDS Subnet Group

aws

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Aurora and RDS

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subnet-group-for-rds

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subnet-group-for-rds

Subnet group details

VPC ID

vpc-065dd944d000d8ed0

ARN

arn:aws:rds:us-east-1:506294025116:subgrp:subnet-group-for-rds

Supported network types

IPv4

Description

Managed by Terraform

Subnets (2)

Availability zone	Subnet name	Subnet ID	CIDR block
us-east-1c	617573-subnet-2	subnet-0a226d43a2cfea96f	10.10.20.16/28

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subnet-group-for-rds

Description

Managed by Terraform

Subnets (2)

Availability zone	Subnet name	Subnet ID	CIDR block
us-east-1c	617573-subnet-2	subnet-0a226d43a2cfea96f	10.10.20.16/28
us-east-1d	617573-subnet-3	subnet-02c68dac34eacbb2a	10.10.20.32/28

Tags (1)

Filter by Tag key

Tags	Value
Name	subnet-group-for-rds

Manage tags

## 12. List of Databases in RDS

```
ec2-user@ip-10-10-20-26:~
+-----+
| Database |
+-----+
| information_schema |
| 617573db |
| innodb |
| mysql |
| performance_schema |
| sys |
+-----+
6 rows in set (0.001 sec)

MySQL [(none)]> USE 617573db;
Database changed
MySQL [617573db]> CREATE TABLE student (
-> id INT PRIMARY KEY AUTO_INCREMENT,
-> name VARCHAR(100) NOT NULL,
-> program VARCHAR(100)
-> );
Query OK, 0 rows affected (0.030 sec)

MySQL [617573db]> INSERT INTO student (name, program) VALUES
-> ('Michael', 'MSCS'),
-> ('John', 'MBA');
Query OK, 2 rows affected (0.007 sec)
Records: 2 Duplicates: 0 Warnings: 0

MySQL [617573db]> SELECT * FROM student;
+-----+-----+-----+
| id | name | program |
+-----+-----+-----+
| 1 | Michael | MSCS |
| 2 | John | MBA |
+-----+-----+-----+
2 rows in set (0.001 sec)

MySQL [617573db]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| 617573db |
| innodb |
| mysql |
| performance_schema |
| sys |
+-----+
6 rows in set (0.001 sec)

MySQL [617573db]> |
```