1. Screenshot of your VPC (VPC information, Resource Map)



2. Screenshot of the Route Table

b-033ebd456734e0b6b

# rtb-033ebd456734e0b6b / route-table1

Actions ▼

## Details  Info

| | | | |
|---|---|---|---|
| **Route table ID**<br>🗐 rtb-033ebd456734e0b6b | **Main**<br>🗐 No | **Explicit subnet associations**<br>subnet-070729a3d01cad334 / public-subnet | **Edge associations**<br>– |
| **VPC**<br>vpc-03c4f36c16b8d49e4 \| vpc | **Owner ID**<br>🗐 103619411293 | | |

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

### Routes (2)

Both ▼    Edit routes

🔍 Filter routes

< 1 > ⚙

| Destination ▽ | Target ▽ | Status ▽ | Propagated ▽ |
|---|---|---|---|
| 0.0.0.0/0 | igw-0888d567e4c926301 | ⊘ Active | No |
| 10.0.0.0/22 | local | ⊘ Active | No |

b-049523007284a3400

# rtb-049523007284a3400 / route-table2

Actions ▼

## Details  Info

| | | | |
|---|---|---|---|
| **Route table ID**<br>🗐 rtb-049523007284a3400 | **Main**<br>🗐 No | **Explicit subnet associations**<br>subnet-0cf42a92f0a99deb8 / private-subnet | **Edge associations**<br>– |
| **VPC**<br>vpc-03c4f36c16b8d49e4 \| vpc | **Owner ID**<br>🗐 103619411293 | | |

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

### Routes (2)

Both ▼    Edit routes

🔍 Filter routes

< 1 > ⚙

| Destination ▽ | Target ▽ | Status ▽ | Propagated ▽ |
|---|---|---|---|
| 0.0.0.0/0 | nat-0a1096c0fbb05082e | ⊘ Active | No |
| 10.0.0.0/22 | local | ⊘ Active | No |

3.  Screenshot of subnets.

## subnet-070729a3d01cad334 / public-subnet

Actions ▼

### Details

**Subnet ID**
subnet-070729a3d01cad334

**IPv4 CIDR**
10.0.0.0/24

**Availability Zone**
us-east-1e

**Route table**
rtb-033ebd456734e0b6b | route-table1

**Auto-assign IPv6 address**
No

**IPv4 CIDR reservations**
–

**Resource name DNS A record**
Disabled

**Subnet ARN**
arn:aws:ec2:us-east-1:103619411293:subnet/subnet-070729a3d01cad334

**Available IPv4 addresses**
249

**Availability Zone ID**
use1-az3

**Network ACL**
acl-016d9debef9247b0f

**Auto-assign customer-owned IPv4 address**
No

**IPv6 CIDR reservations**
–

**Resource name DNS AAAA record**
Disabled

**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-03c4f36c16b8d49e4 | vpc

**Auto-assign public IPv4 address**
No

**Outpost ID**
–

**Hostname type**
IP name

**Owner**
103619411293

## subnet-0cf42a92f0a99deb8 / private-subnet

Actions ▼

### Details

**Subnet ID**
subnet-0cf42a92f0a99deb8

**IPv4 CIDR**
10.0.2.0/23

**Availability Zone**
us-east-1e

**Route table**
rtb-049523007284a3400 | route-table2

**Auto-assign IPv6 address**
No

**IPv4 CIDR reservations**
–

**Resource name DNS A record**
Disabled

**Subnet ARN**
arn:aws:ec2:us-east-1:103619411293:subnet/subnet-0cf42a92f0a99deb8

**Available IPv4 addresses**
506

**Availability Zone ID**
use1-az3

**Network ACL**
acl-016d9debef9247b0f

**Auto-assign customer-owned IPv4 address**
No

**IPv6 CIDR reservations**
–

**Resource name DNS AAAA record**
Disabled

**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**
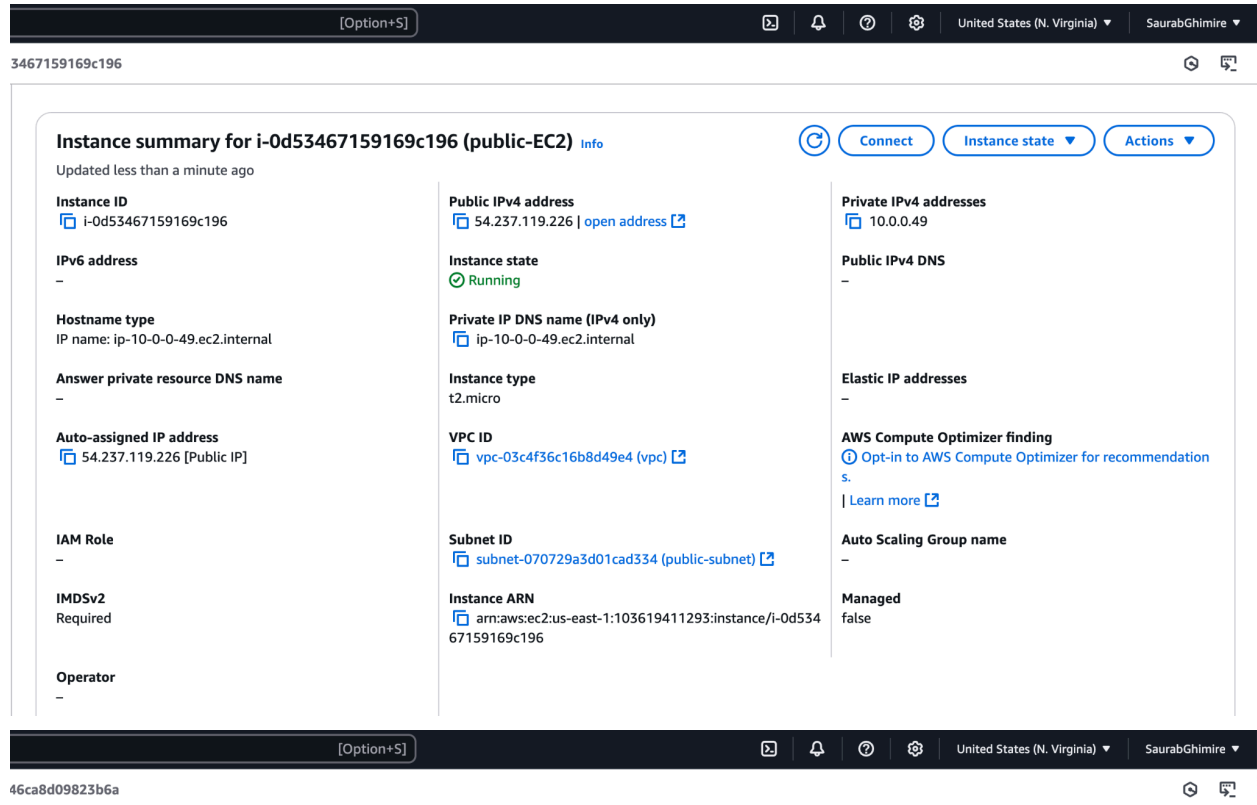vpc-03c4f36c16b8d49e4 | vpc

**Auto-assign public IPv4 address**
No

**Outpost ID**
–

**Hostname type**
IP name

**Owner**
103619411293

4.  Screenshot of your EC2 instances.

## Instance summary for i-0d53467159169c196 (public-EC2) Info

Updated less than a minute ago

🔄 Connect | Instance state ▼ | Actions ▼

**Instance ID**
🗗 i-0d53467159169c196

**Public IPv4 address**
🗗 54.237.119.226 | open address ↗

**Private IPv4 addresses**
🗗 10.0.0.49

**IPv6 address**
–

**Instance state**
⊘ Running

**Public IPv4 DNS**
–

**Hostname type**
IP name: ip-10-0-0-49.ec2.internal

**Private IP DNS name (IPv4 only)**
🗗 ip-10-0-0-49.ec2.internal

**Answer private resource DNS name**
–

**Instance type**
t2.micro

**Elastic IP addresses**
–

**Auto-assigned IP address**
🗗 54.237.119.226 [Public IP]

**VPC ID**
🗗 vpc-03c4f36c16b8d49e4 (vpc) ↗

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

**IAM Role**
–

**Subnet ID**
🗗 subnet-070729a3d01cad334 (public-subnet) ↗

**Auto Scaling Group name**
–

**IMDSv2**
Required

**Instance ARN**
🗗 arn:aws:ec2:us-east-1:103619411293:instance/i-0d53467159169c196

**Managed**
false

**Operator**
–

## Instance summary for i-09846ca8d09823b6a (private-EC2) Info

Updated less than a minute ago

🔄 Connect | Instance state ▼ | Actions ▼

**Instance ID**
🗗 i-09846ca8d09823b6a

**Public IPv4 address**
–

**Private IPv4 addresses**
🗗 10.0.2.39

**IPv6 address**
–

**Instance state**
⊘ Running

**Public IPv4 DNS**
–

**Hostname type**
IP name: ip-10-0-2-39.ec2.internal

**Private IP DNS name (IPv4 only)**
🗗 ip-10-0-2-39.ec2.internal

**Answer private resource DNS name**
–

**Instance type**
t2.micro

**Elastic IP addresses**
–

**Auto-assigned IP address**
–

**VPC ID**
🗗 vpc-03c4f36c16b8d49e4 (vpc) ↗

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

**IAM Role**
–

**Subnet ID**
🗗 subnet-0cf42a92f0a99deb8 (private-subnet) ↗

**Auto Scaling Group name**
–

**IMDSv2**
Required

**Instance ARN**
🗗 arn:aws:ec2:us-east-1:103619411293:instance/i-09846ca8d09823b6a

**Managed**
false

**Operator**
–

5. Screenshot of your security group of each instance.

**sg-02d79761e2833b6e0 - launch-wizard-2**

Actions ▼

## Details

**Security group name**
launch-wizard-2

**Security group ID**
sg-02d79761e2833b6e0

**Description**
launch-wizard-2 created 2025-04-04T16:44:04.830Z

**VPC ID**
vpc-03c4f36c16b8d49e4

**Owner**
103619411293

**Inbound rules count**
2 Permission entries

**Outbound rules count**
1 Permission entry

**Inbound rules**  Outbound rules  Sharing – *new*  VPC associations – *new*  Tags

### Inbound rules (2)

Manage tags   Edit inbound rules

Search

< 1 >

| | Name | Security group rule ID | IP version | Type | Protocol | Port range |
|---|---|---|---|---|---|---|
| | – | sgr-092f4a97af5595b7a | IPv4 | SSH | TCP | 22 |
| | – | sgr-0a38d587d717734cc | IPv4 | HTTP | TCP | 80 |

**sg-091c009c631d69823 - launch-wizard-3**

Actions ▼

## Details

**Security group name**
launch-wizard-3

**Security group ID**
sg-091c009c631d69823

**Description**
launch-wizard-3 created 2025-04-04T17:09:07.433Z

**VPC ID**
vpc-03c4f36c16b8d49e4

**Owner**
103619411293

**Inbound rules count**
2 Permission entries

**Outbound rules count**
1 Permission entry

**Inbound rules**  Outbound rules  Sharing – *new*  VPC associations – *new*  Tags

### Inbound rules (2)

Manage tags   Edit inbound rules

Search

< 1 >

| | Name | Security group rule ID | IP version | Type | Protocol | Port range |
|---|---|---|---|---|---|---|
| | – | sgr-02142a11bfdd63217 | IPv4 | SSH | TCP | 22 |
| | – | sgr-0d0f222ecebe24b79 | IPv4 | HTTP | TCP | 80 |

6. Screenshot of a successful SSH session from the public instance to the private instance.

```
Downloads ssh -i public-ec2.pem ec2-user@54.237.119.226
     ,       #_
   ~\_  ####_           Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___    https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
     ~~._.   _/
        _/ _/
       _/m/'
Last login: Fri Apr  4 18:21:31 2025 from 205.221.160.10
[ec2-user@ip-10-0-0-49 ~]$ ssh -i ec2-private.pem ec2-user@10.0.2.39
     ,       #_
   ~\_  ####_           Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___    https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
     ~~._.   _/
        _/ _/
       _/m/'
Last login: Fri Apr  4 18:21:35 2025 from 10.0.0.49
[ec2-user@ip-10-0-2-39 ~]$ ping google.com
PING google.com (142.251.16.139) 56(84) bytes of data.
^C
--- google.com ping statistics ---
4 packets transmitted, 0 received, 100% packet loss, time 3148ms

[ec2-user@ip-10-0-2-39 ~]$ ping google.com
PING google.com (192.178.155.102) 56(84) bytes of data.
64 bytes from yuiadrs-in-f102.1e100.net (192.178.155.102): icmp_seq=1 ttl=55 time=2.52 ms
64 bytes from yuiadrs-in-f102.1e100.net (192.178.155.102): icmp_seq=2 ttl=55 time=2.37 ms
64 bytes from yuiadrs-in-f102.1e100.net (192.178.155.102): icmp_seq=3 ttl=55 time=2.36 ms
64 bytes from yuiadrs-in-f102.1e100.net (192.178.155.102): icmp_seq=4 ttl=55 time=2.26 ms
^C
--- google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3004ms
rtt min/avg/max/mdev = 2.260/2.378/2.524/0.094 ms
[ec2-user@ip-10-0-2-39 ~]$ exit
logout
Connection to 10.0.2.39 closed.
[ec2-user@ip-10-0-0-49 ~]$ curl http://10.0.2.39
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>
```

7. Screenshot of a web page served from the public instance and the private instance.