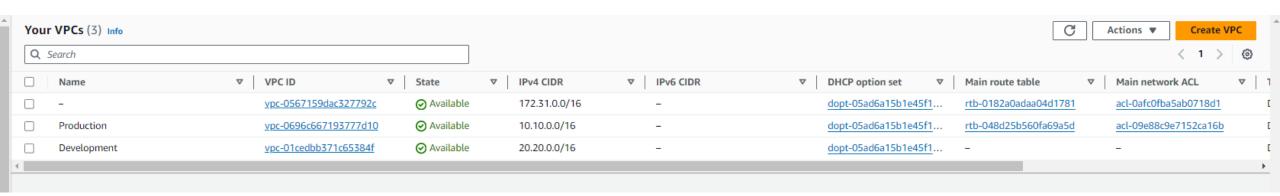
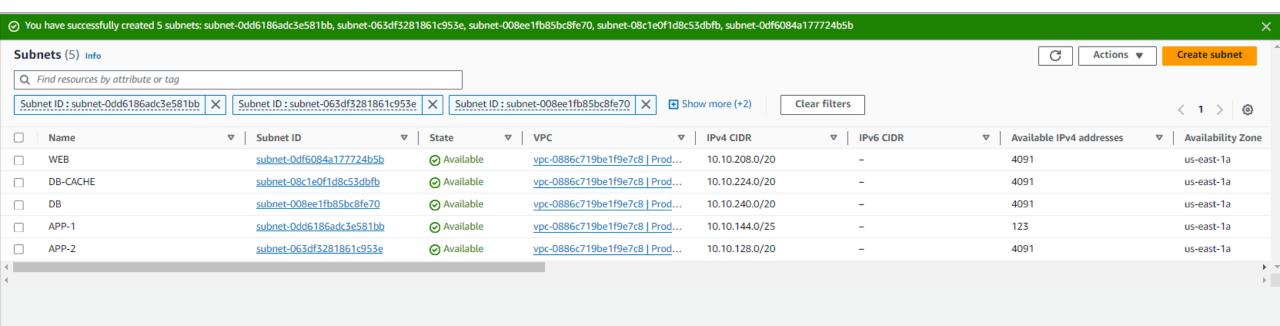
VPC-And-Peering-2





=

VPC > Subnets > subnet-0df6084a177724b5b > Edit subnet settings

Edit subnet settings Info				
Subnet				
Subnet ID subnet-0df6084a177724b5b	Name WEB			
Auto-assign IP settings Info Enable AWS to automatically assign a public IPv4 or IPv6 addr	ress to a new primary network interface for an instance in this subnet.			
▼ Enable auto-assign public IPv4 address Info				
Enable auto-assign customer-owned IPv4 address Option disabled because no customer owned pools found				
Resource-based name (RBN) settings Ind Specify the hostname type for EC2 instances in this subnet an				
☐ Enable resource name DNS A record on launch In	nfo			
Enable resource name DNS AAAA record on launce	h Info			
Hostname type Info				
Resource name				
IP name				
DNS64 settings Enable DNS64 to allow IPv6-only services in Amazon VPC to co	communicate with IPv4-only services and networks.			
Enable DNS64 Info				

Cancel

Save

VPC > Internet gateways > Create internet gateway

Create internet gateway Info

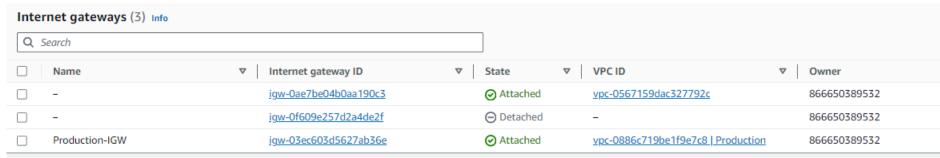
An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

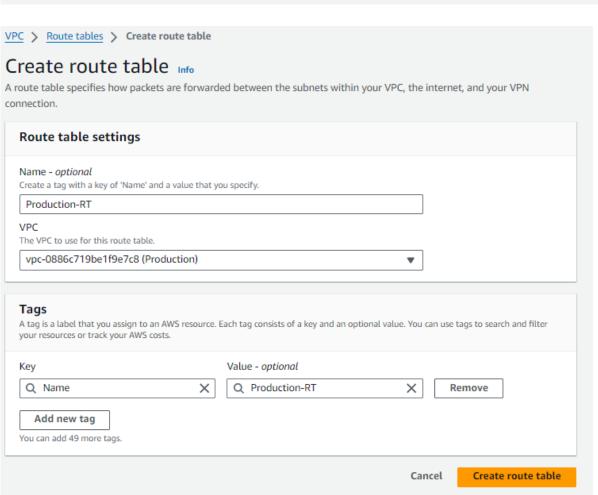
Name tag	
Creates a tag with a key of 'Nam	e' and a value that you specify.
Production-IGW	
Tags - ontional	
Tags - optional A tag is a label that you assign t your resources or track your AW Key	o an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter S costs. Value - optional
A tag is a label that you assign t your resources or track your AW	S costs.
A tag is a label that you assign t your resources or track your AW Key	Value - optional

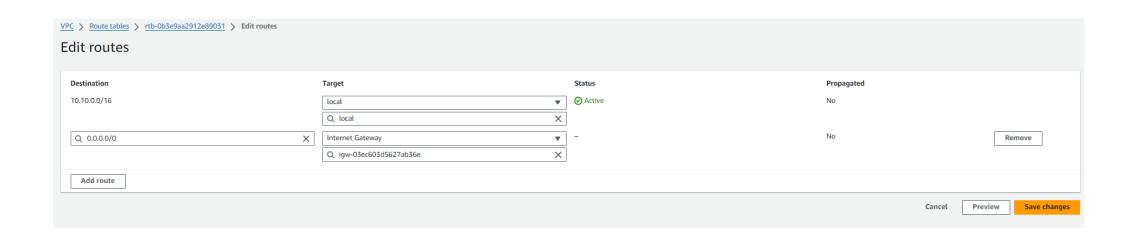
VPC > Internet gateways > Attach to VPC (igw-03ec603d5627ab36e) Attach to VPC (igw-03ec603d5627ab36e) Info VPC Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below. Available VPCs Attach the internet gateway to this VPC. Q vpc-0886c719be1f9e7c8 × ▶ AWS Command Line Interface command

Cancel

Attach internet gateway



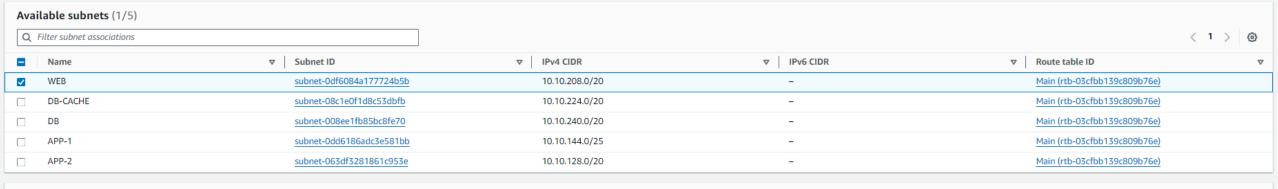




VPC > Route tables > rtb-0b3e9aa2912e89031 > Edit subnet associations

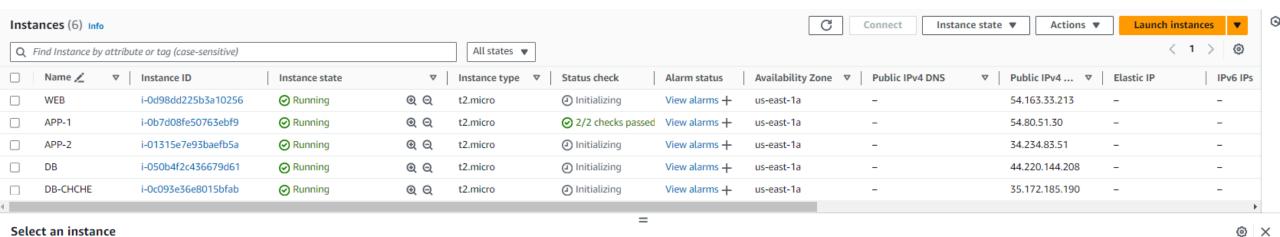
Edit subnet associations

Change which subnets are associated with this route table.



Selected subnets

subnet-0df6084a177724b5b / WEB 🗶



Select an instance

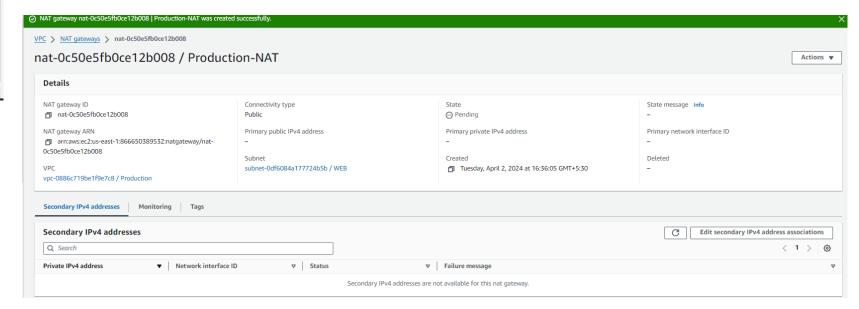
aws Services Q Search [Alt+S] ₽ EC2 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=127 tt1=58 time=1.97 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=128 ttl=58 time=1.94 ms exi64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=129 ttl=58 time=1.96 ms t64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=130 tt1=58 time=1.92 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=131 ttl=58 time=2.01 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=132 tt1=58 time=1.92 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=133 tt1=58 time=1.94 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=134 ttl=58 time=1.92 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=135 ttl=58 time=1.92 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=136 ttl=58 time=5.88 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=137 tt1=58 time=4.01 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=138 tt1=58 time=2.01 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=139 tt1=58 time=1.94 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=140 tt1=58 time=1.91 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seq=141 ttl=58 time=1.89 ms 64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp seg=142 ttl=58 time=1.92 ms

VPC > NAT gateways > Create NAT gateway

Create NAT gateway Info

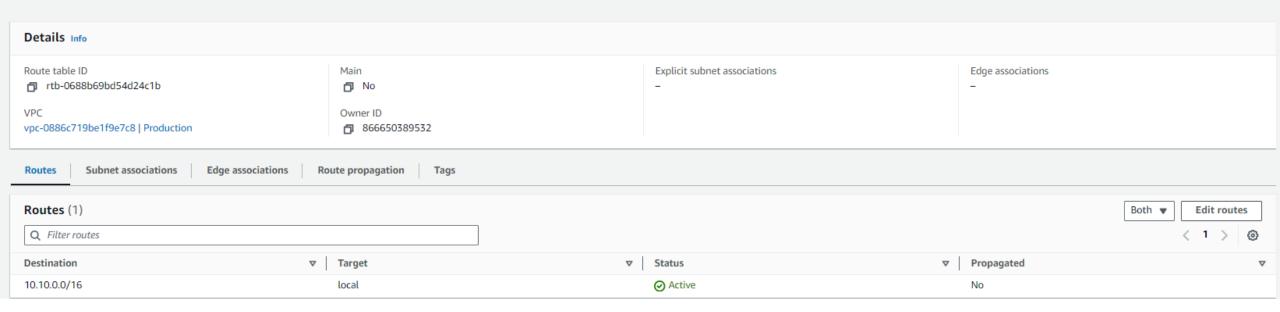
A highly available, managed Network Address Translation (NAT) service that instances in private subnets can use to connect to services in other VPCs, on-premises networks, or the internet.

Create a tag with a key of 'Name' and a value that you specify. Production-NAT The name can be up to 256 characters long. Subnet Select a subnet in which to create the NAT gateway. subnet-Odf6084a177724b5b (WEB) Connectivity type Select a connectivity type for the NAT gateway. Public Private Elastic IP allocation ID Info Assign an Elastic IP address to the NAT gateway. eipalloc-0b81a468575931b18 ▼ Allocate Elastic IP Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q Name X Q Production-NAT Remove	Name - optional	and the second s	
Subnet Select a subnet in which to create the NAT gateway. Subnet-Odf6084a177724b5b (WEB) Connectivity type Select a connectivity type for the NAT gateway. Public Private Elastic IP allocation ID Info Assign an Elastic IP address to the NAT gateway. eipalloc-Ob81a468575931b18 Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X. Q. Production-NAT Remove		t you specify.	
Subnet Select a subnet in which to create the NAT gateway. Subnet-Odf6084a177724b5b (WEB) Connectivity type Select a connectivity type for the NAT gateway. Public Private Elastic IP allocation ID Info Assign an Elastic IP address to the NAT gateway. eipalloc-Ob81a468575931b18 Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X. Q. Production-NAT Remove			
Select a subnet in which to create the NAT gateway. Subnet-Odf6084a177724b5b (WEB) Connectivity type Select a connectivity type for the NAT gateway. Public Private Elastic IP allocation ID Info Assign an Elastic IP address to the NAT gateway. eipalloc-Ob81a468575931b18 Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X. Q. Production-NAT Remove	The name can be up to 256 characters long.		
subnet-0df6084a177724b5b (WEB) Connectivity type Select a connectivity type for the NAT gateway. Private Private Elastic IP allocation ID Info Assign an Elastic IP address to the NAT gateway. eipalloc-0b81a468575931b18 Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X. Remove			
Connectivity type Select a connectivity type for the NAT gateway. Public Private Elastic IP allocation ID Info Assign an Elastic IP address to the NAT gateway. eipalloc-0b81a468575931b18 Allocate Elastic IP Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X			
Select a connectivity type for the NAT gateway. Public Private Elastic IP allocation ID Info Assign an Elastic IP address to the NAT gateway. eipalloc-0b81a468575931b18 Allocate Elastic IP Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X. Production-NAT Remove	SUBNET-0016084a177724b5b (WEB)	•	
Public Private Elastic IP allocation ID Info Assign an Elastic IP address to the NAT gateway. eipalloc-0b81a468575931b18 ■ Allocate Elastic IP Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q Name X Q Production-NAT X Remove	Connectivity type		
Private Elastic IP allocation ID Info Assign an Elastic IP address to the NAT gateway. eipalloc-0b81a468575931b18 ■ Allocate Elastic IP Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X Q. Production-NAT Remove			
Elastic IP allocation ID Info Assign an Elastic IP address to the NAT gateway. eipalloc-0b81a468575931b18 Allocate Elastic IP Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X. Q. Production-NAT Remove	•		
Assign an Elastic IP address to the NAT gateway. eipalloc-0b81a468575931b18 Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X. Q. Production-NAT Remove	Private		
► Additional settings Info Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X. Q. Production-NAT Remove			
Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X Q. Production-NAT Remove	eipalloc-0b81a468575931b18	▼	Allocate Elastic IP
Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X Remove			
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X Q. Production-NAT X Remove	▶ Additional settings Info		
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X Q. Production-NAT X Remove			
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Key Value - optional Q. Name X Q. Production-NAT X Remove	T		
your resources or track your AWS costs. Key Value - optional Q. Name X Q. Production-NAT X Remove		e. Each tag consists of a key and an optional value. You	can use tags to search and filter
Q Name X Q Production-NAT X Remove			
	Key	Value - optional	
	Q Name X	Q Production-NAT X	Remove
Add new tag		, , , , , , , , , , , , , , , , , , , ,	



VPC > Route tables > rtb-0688b69bd54d24c1b

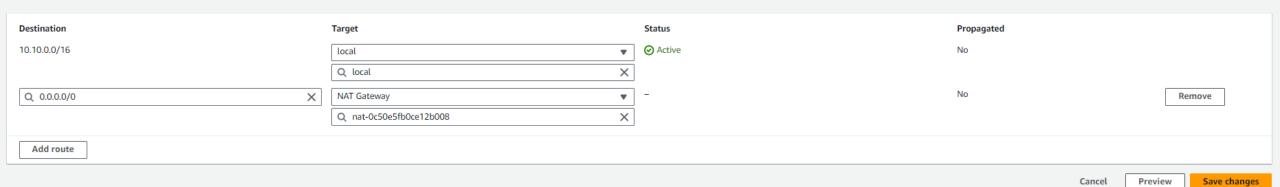
rtb-0688b69bd54d24c1b / NAT-PROD

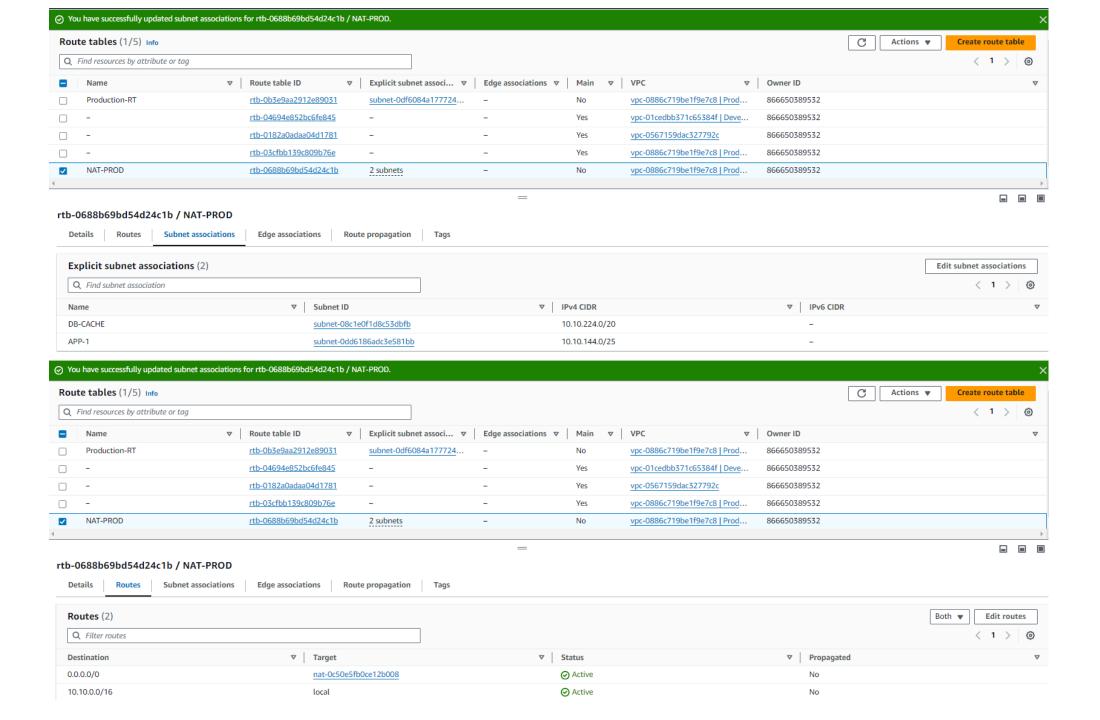


Actions

VPC > Route tables > rtb-0688b69bd54d24c1b > Edit routes

Edit routes

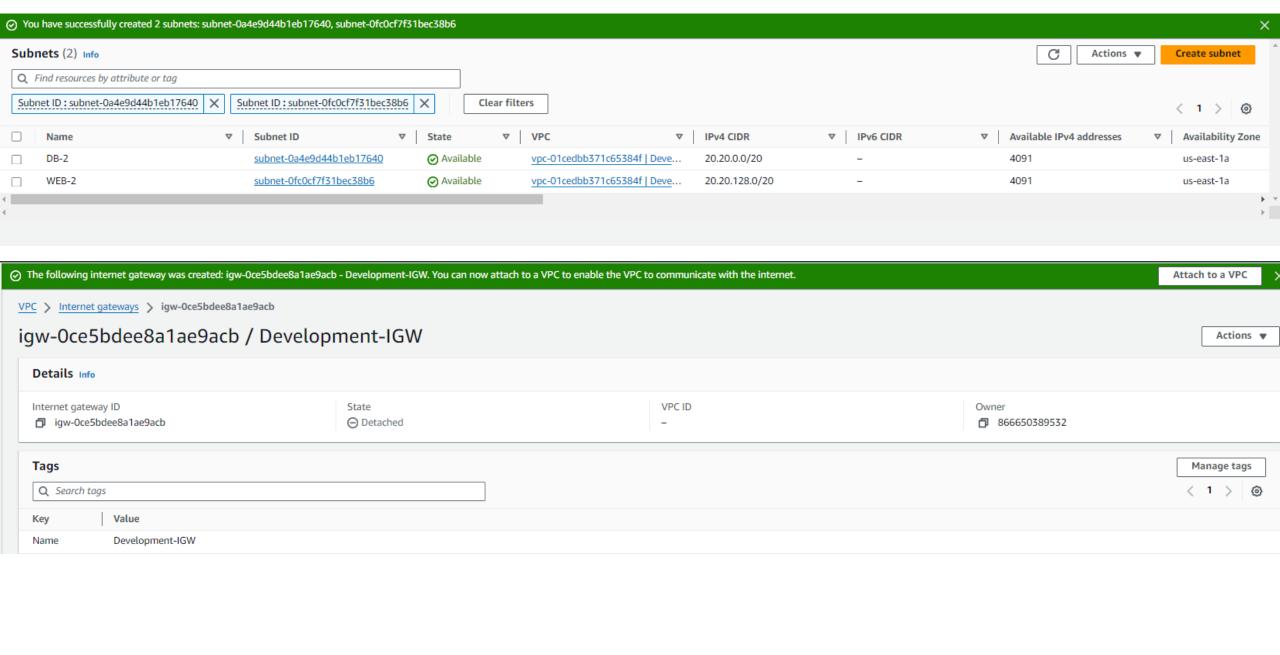


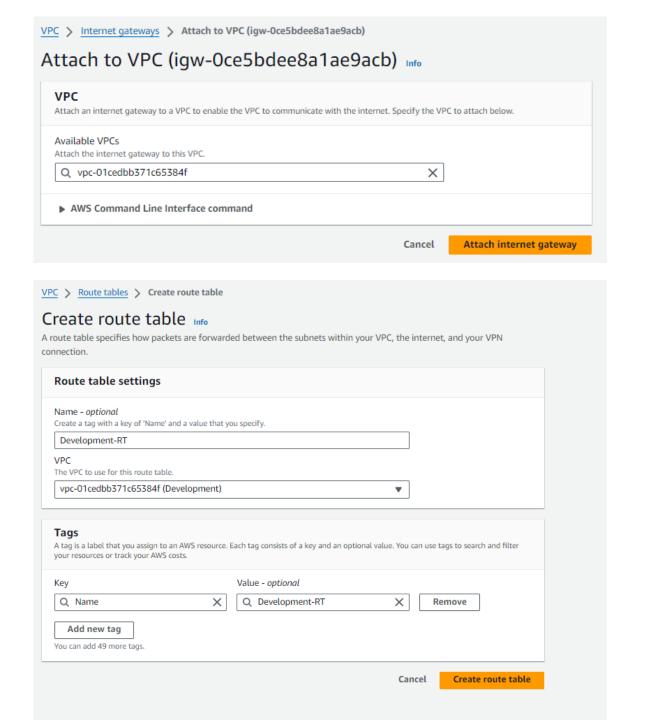


```
45 updates can be applied immediately.
30 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
Last login: Tue Apr 2 11:47:59 2024 from 18.206.107.27
ubuntu@ip-10-10-214-226:~$ sudo nano test.pem
ubuntu@ip-10-10-214-226:~$ sudo chmod 400 test.pem
ubuntu@ip-10-10-214-226:~$ sudo ssh -i test.pem ubuntu@54.163.33.213
The authenticity of host '54.163.33.213 (54.163.33.213)' can't be established.
ED25519 key fingerprint is SHA256:FDJzLYoxYKOlEARALGe63HZ67Ns42Qdv2lTSSmlZf9q.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: y
Please type 'yes', 'no' or the fingerprint: n
Please type 'yes', 'no' or the fingerprint: y
Please type 'yes', 'no' or the fingerprint: exit
Please type 'yes', 'no' or the fingerprint: no
Host key verification failed.
ubuntu@ip-10-10-214-226:~$ ^C
ubuntu@ip-10-10-214-226:~$ sudo nano test.pem
ubuntu@ip-10-10-214-226:~$ sudo chmod 400 test.pem
ubuntu@ip-10-10-214-226:~$ sudo ssh -i test.pem ubuntu@54.163.33.213
The authenticity of host '54.163.33.213 (54.163.33.213)' can't be established.
ED25519 key fingerprint is SHA256:FDJzLYoxYKOlEARALGe63HZ67Ns42Qdv21TSSmlZf9g.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '54.163.33.213' (ED25519) to the list of known hosts.
Load key "test.pem": error in libcrypto
ubuntu@54.163.33.213: Permission denied (publickey).
ubuntu@ip-10-10-214-226:~$ ping google.com
PING google.com (172.253.115.139) 56(84) bytes of data.
64 bytes from bg-in-f139.1e100.net (172.253.115.139): icmp seq=1 ttl=102 time=2.10 ms
64 bytes from bq-in-f139.1e100.net (172.253.115.139): icmp seq=2 ttl=102 time=2.06 ms
64 bytes from bq-in-f139.1e100.net (172.253.115.139): icmp seq=3 ttl=102 time=2.07 ms
64 bytes from bg-in-f139.1e100.net (172.253.115.139): icmp seq=4 ttl=102 time=2.09 ms
64 bytes from bg-in-f139.1e100.net (172.253.115.139): icmp_seq=5 ttl=102 time=2.07 ms
64 bytes from bq-in-f139.1e100.net (172.253.115.139): icmp seq=6 ttl=102 time=2.10 ms
```

64 bytes from bg-in-f139.1e100.net (172.253.115.139): icmp_seq=7 ttl=102 time=2.13 ms 64 bytes from bg-in-f139.1e100.net (172.253.115.139): icmp_seq=8 ttl=102 time=2.11 ms

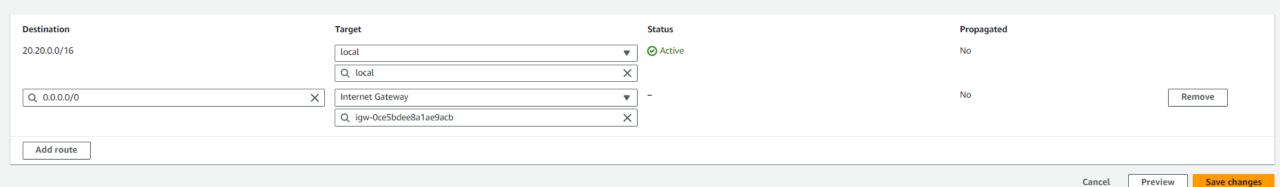
Expanded Security Maintenance for Applications is not enabled.





VPC > Route tables > rtb-02b5d8b4174cff108 > Edit routes

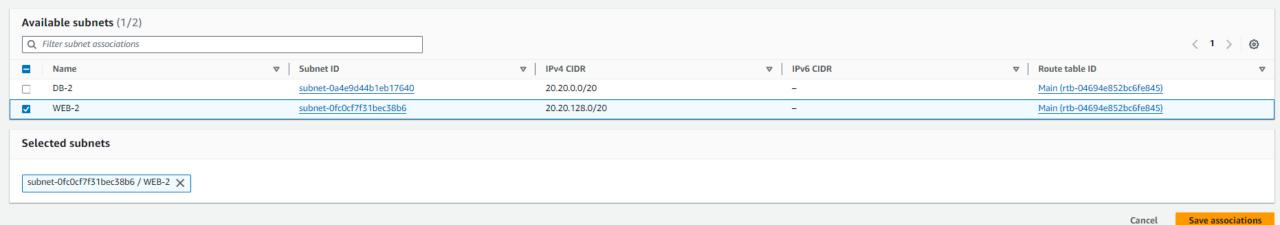
Edit routes

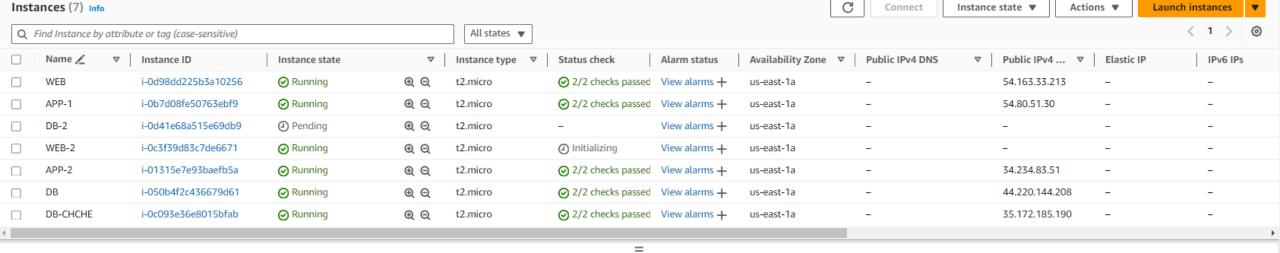


VPC > Route tables > rtb-02b5d8b4174cff108 > Edit subnet associations

Edit subnet associations

Change which subnets are associated with this route table.

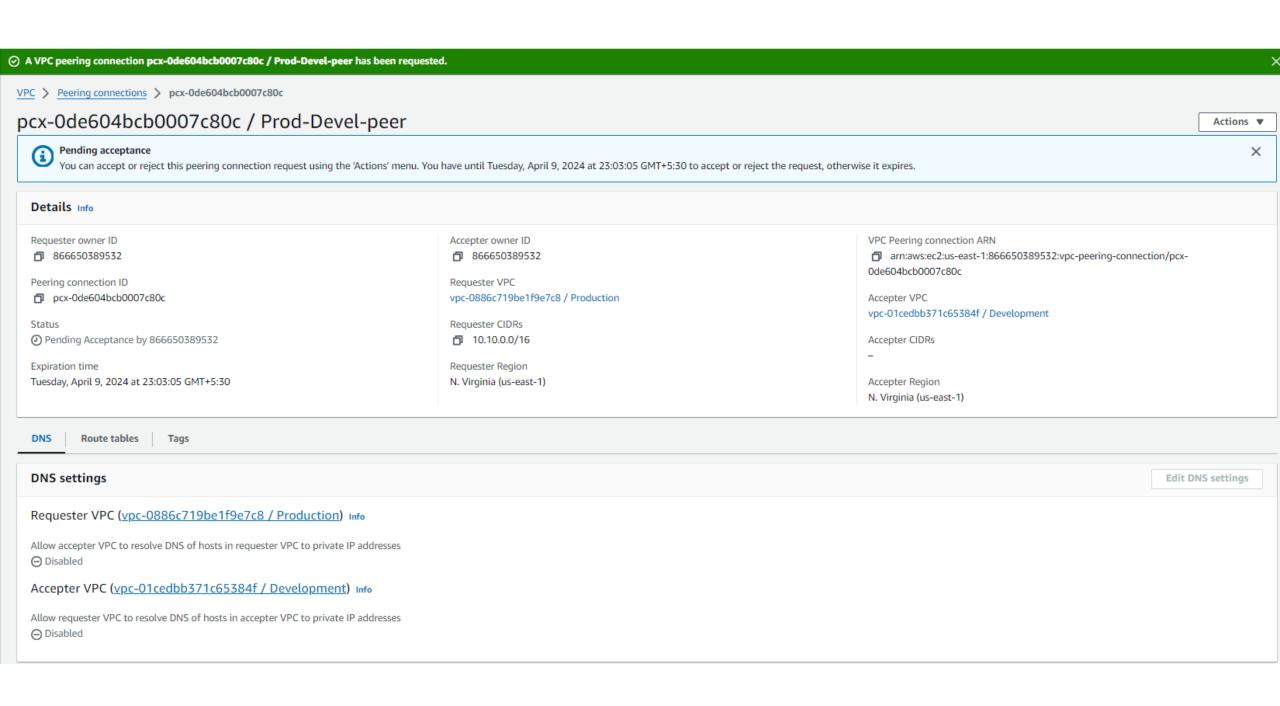


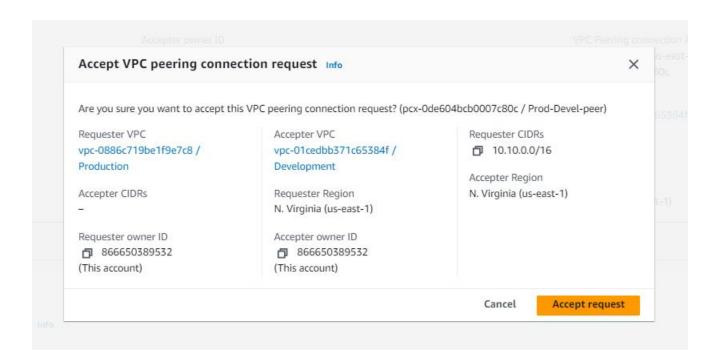


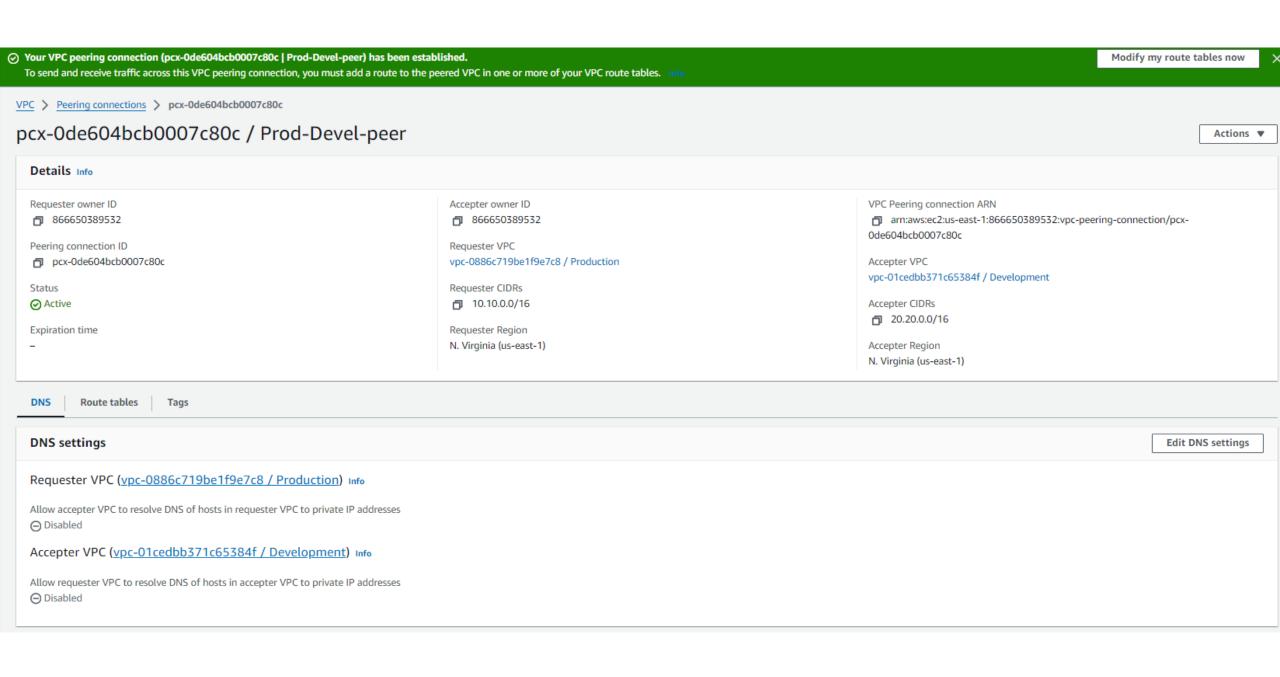
Select an instance

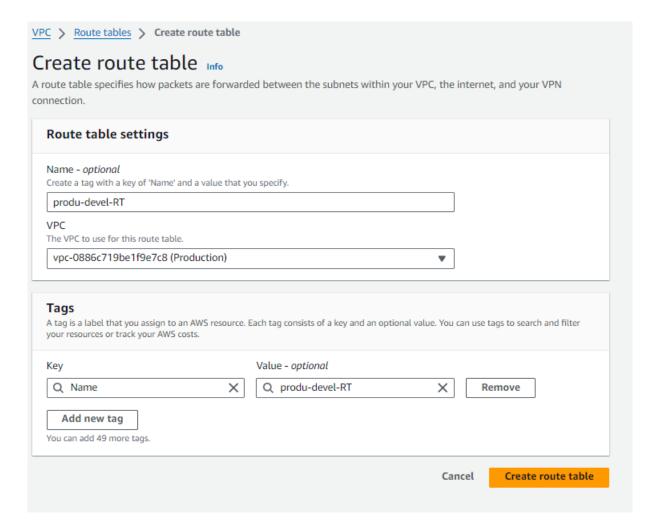
@ ×

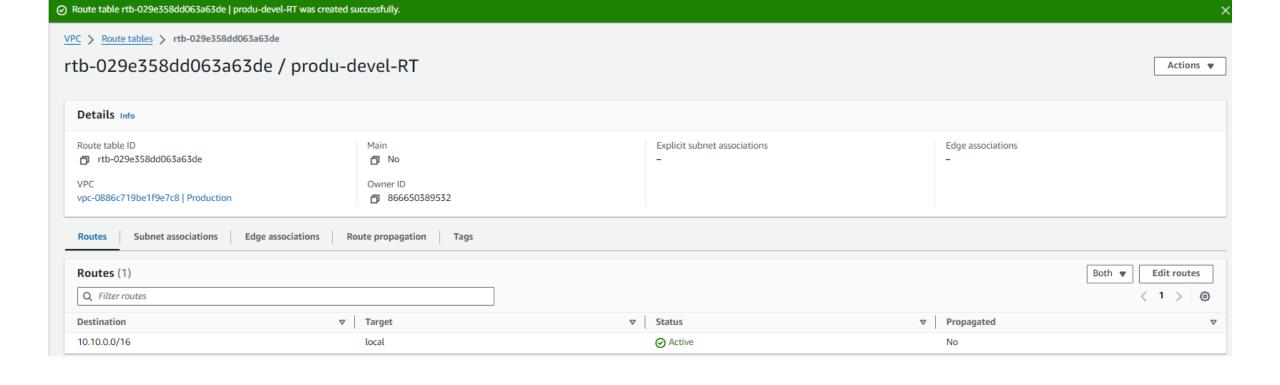
Name - optional Create a tag with a key of 'Name' and a value that you specify. Prod-Devel-peer Select a local VPC to peer with VPC ID (Requester) vpc-0886c719be1f9e7c8 (Production) VPC CIDRs for vpc-0886c719be1f9e7c8 (Production) CIDR Status Status reason 10.10.0.0/16 Associated Select another VPC to peer with Account My account Another account Region This Region (us-east-1) Another Region VPC ID (Accepter) vpc-01cedbb371c65384f (Development) VPC CIDRs for vpc-01cedbb371c65384f (Development) CIDR Status Status reason Associated 20.20.0.0/16

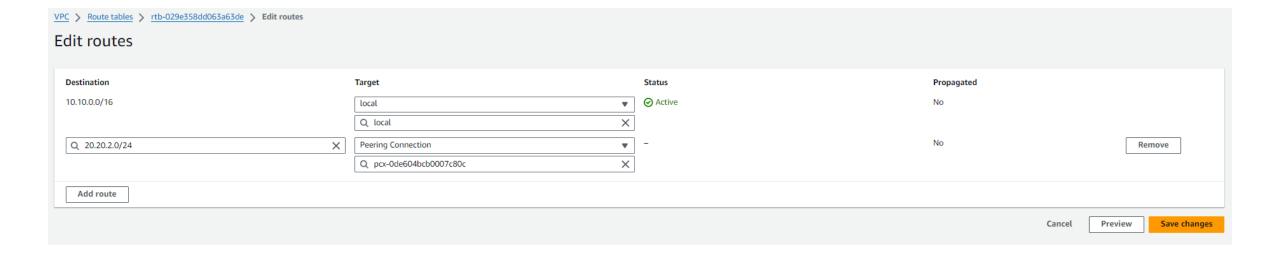




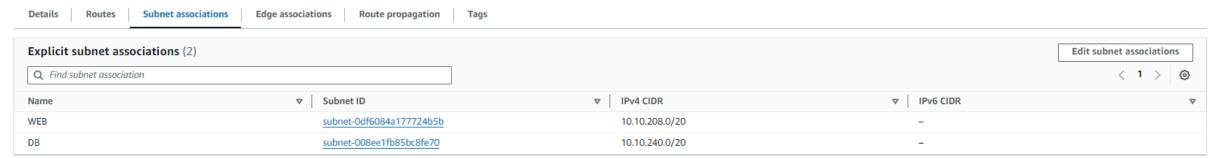




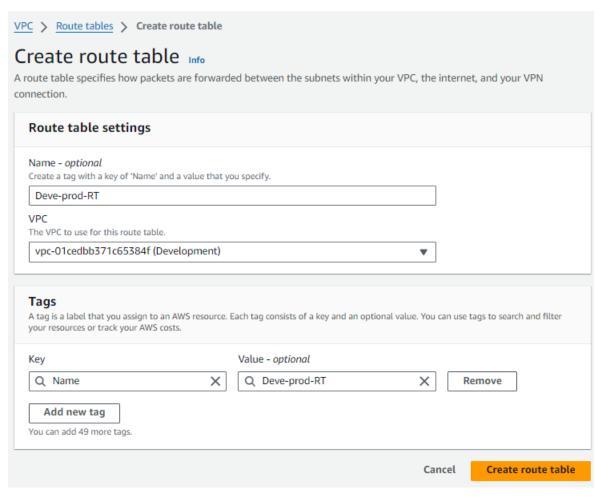


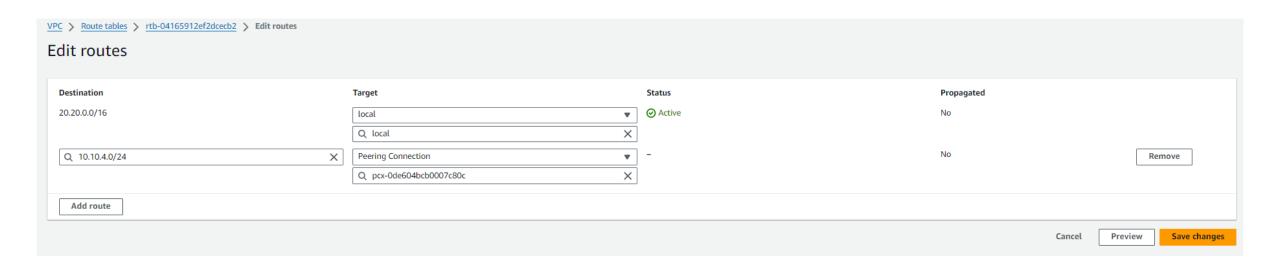


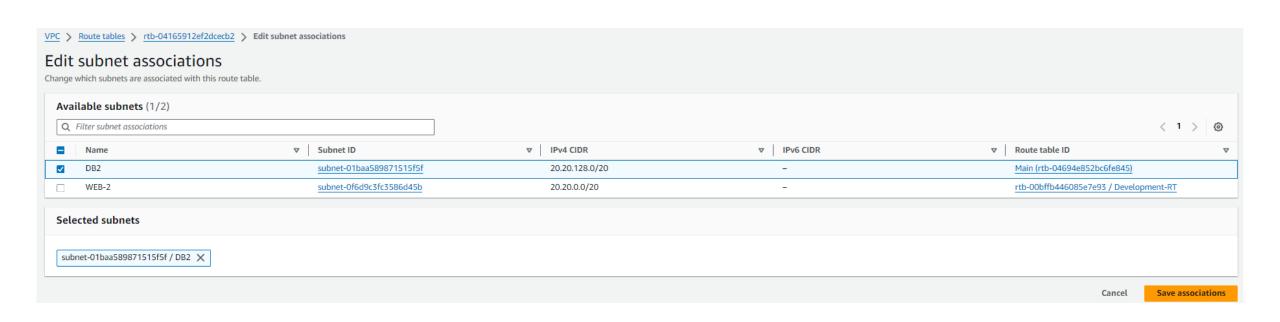
rtb-029e358dd063a63de / produ-devel-RT

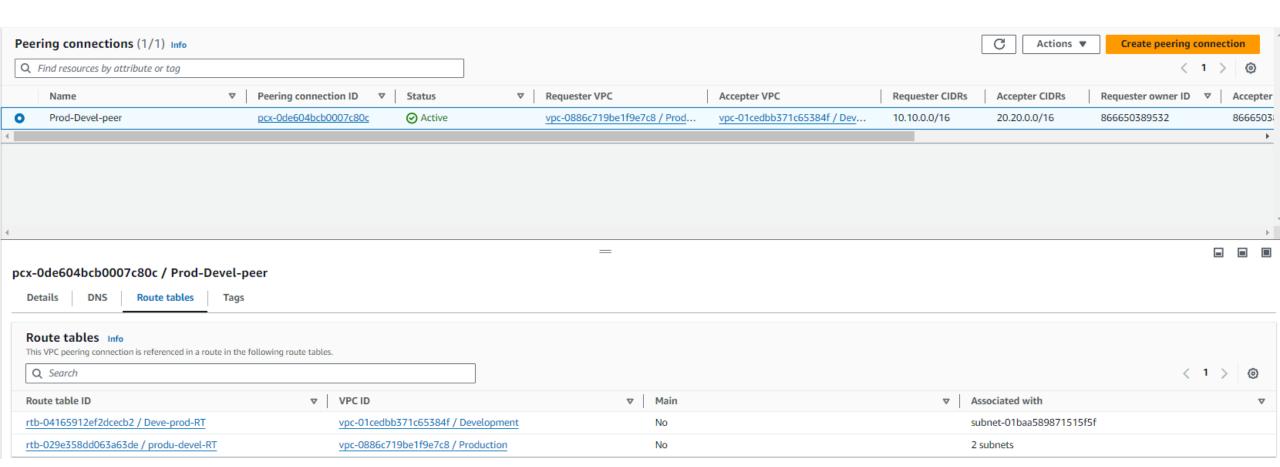


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```
rtt min/avg/max/mdev = 17.828/18.291/18.757/0.289 ms
ubuntu@ip-10-10-1-178:~$ ping google.com
PING google.com (142.250.190.110) 56(84) bytes of data.
64 bytes from ord37s35-in-f14.1e100.net (142.250.190.110): icmp seq=33 ttl=54 time=18.8 ms
64 bytes from ord37s35-in-f14.1e100.net (142.250.190.110): icmp seq=34 ttl=54 time=18.5 ms
64 bytes from ord37s35-in-f14.le100.net (142.250.190.110): icmp seg=35 ttl=54 time=18.5 ms
64 bytes from ord37s35-in-f14.le100.net (142.250.190.110): icmp seq=36 ttl=54 time=18.5 ms
64 bytes from ord37s35-in-f14.1e100.net (142.250.190.110): icmp seq=37 ttl=54 time=18.5 ms
64 bytes from ord37s35-in-f14.1e100.net (142.250.190.110): icmp seq=38 ttl=54 time=18.5 ms
64 bytes from ord37s35-in-f14.le100.net (142.250.190.110): icmp seq=39 ttl=54 time=18.5 ms
64 bytes from ord37s35-in-f14.1e100.net (142.250.190.110): icmp seq=40 ttl=54 time=18.5 ms
64 bytes from ord37s35-in-f14.1e100.net (142.250.190.110): icmp seq=41 ttl=54 time=18.4 ms
64 bytes from ord37s35-in-f14.le100.net (142.250.190.110): icmp sqq=42 tt1=54 time=18.5 ms
64 bytes from ord37s35-in-f14.le100.net (142.250.190.110): icmp seq=43 ttl=54 time=18.4 ms
64 bytes from ord37s35-in-f14.1e100.net (142.250.190.110); icmp seg=44 ttl=54 time=18.5 ms
64 bytes from ord37s35-in-f14.le100.net (142.250.190.110): icmp seq=45 ttl=54 time=18.4 ms
 -- google.com ping statistics ---
45 packets transmitted, 13 received, 71.1111% packet loss, time 44788ms
rtt min/avg/max/mdev = 18.415/18.502/18.834/0.100 ms
ubuntu@ip-10-10-1-178:~$ ^C
ubuntu@ip-10-10-1-178:~$ exit
Connection to 10.10.1.178 closed.
ubuntu@ip-10-10-5-230:~$ sudo ssh -i test.pem ec2-user@10.10.4.74
```

```
logout
Connection to 10.10.1.178 closed.
ubuntu@ip-10-10-5-230:~$ sudo ssh -i test.pem ec2-user@10.10.4.74
The authenticity of host '10.10.4.74 (10.10.4.74)' can't be established.
ED25519 key fingerprint is SHA256:RwnptW6HAufdehEvPqcKQC/w5NSPSs0u/6WdND74ldQ.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.10.4.74' (ED25519) to the list of known hosts.
  ~\ ####
                    Amazon Linux 2023
  ~~ \ ####\
        \###I
           1#/
                    https://aws.amazon.com/linux/amazon-linux-2023
           V~' '->
   ~~~
[sc2-user@ip-10-10-4-74 ~]$ ping 20.20.2.153
PING 20.20.2.153 (20.20.2.153) 56(84) bytes of data.
64 bytes from 20.20.2.153: icmp seg=1 ttl=64 time=1.27 ms
64 bytes from 20.20.2.153: icmp seq=2 ttl=64 time=1.26 ms
64 bytes from 20.20.2.153: icmp seq=3 tt1=64 time=1.01 ms
64 bytes from 20.20.2.153: icmp seg=4 ttl=64 time=1.01 ms
```