

Module 5 Case Study – 1

VPC

Subnets (5) [Info](#)

Find resources by attribute or tag

Subnet ID: subnet-0de56fde7a0278a9f Subnet ID: subnet-0358188267b180464 Subnet ID: subnet-001feb5af26e025f8 [Show more \(+2\)](#) [Clear filters](#)

Last updated less than a minute ago [Actions](#) [Create subnet](#)

<input type="checkbox"/>	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR	IPv6 CIDR	IPv6 C
<input type="checkbox"/>	app2	subnet-0358188267b180464	Available	ypc-0eaaac1b2c2d18cdf Prod...	Off	10.10.2.0/24	-	-
<input type="checkbox"/>	app1	subnet-0de56fde7a0278a9f	Available	ypc-0eaaac1b2c2d18cdf Prod...	Off	10.10.1.0/24	-	-
<input type="checkbox"/>	dbcache	subnet-0faee3287454765fe	Available	ypc-0eaaac1b2c2d18cdf Prod...	Off	10.10.4.0/24	-	-
<input type="checkbox"/>	db	subnet-001feb5af26e025f8	Available	ypc-0eaaac1b2c2d18cdf Prod...	Off	10.10.3.0/24	-	-
<input type="checkbox"/>	web	subnet-0d688c78b1d13323c	Available	ypc-0eaaac1b2c2d18cdf Prod...	Off	10.10.5.0/24	-	-

Your VPCs (3) [Info](#)

Search

Last updated 2 minutes ago [Actions](#) [Create VPC](#)

<input type="checkbox"/>	Name	VPC ID	State	Block Public...	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table
<input type="checkbox"/>	Default	vpc-0aa06775f5be61ea2	Available	Off	172.31.0.0/16	-	dopt-0021edc4c9889dfb3	rtb-02f7acba093
<input type="checkbox"/>	Production	vpc-0eaaac1b2c2d18cdf	Available	Off	10.10.0.0/16	-	dopt-0021edc4c9889dfb3	-
<input type="checkbox"/>	Development	vpc-065362dba08d4381b	Available	Off	10.20.0.0/16	-	dopt-0021edc4c9889dfb3	-

Select a VPC above

Edit subnet settings [Info](#)

Subnet

Subnet ID

subnet-0d688c78b1d13323c

Name

web

Auto-assign IP settings [Info](#)

Enable AWS to automatically assign a public IPv4 or IPv6 address 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 [Info](#)
Option disabled because no customer owned pools found.

Resource-based name (RBN) settings [Info](#)

Specify the hostname type for EC2 instances in this subnet and optional RBN DNS query settings.

☐ Enable resource name DNS A record on launch [Info](#)

☐ Enable resource name DNS AAAA record on launch [Info](#)

Hostname type [Info](#)

☐ Resource name

☒ IP name

DNS64 settings

Enable DNS64 to allow IPv6-only services in Amazon VPC to communicate with IPv4-only services and networks.

☐ Enable DNS64 [Info](#)

Internet gateways (2) [Info](#)

Search

[Actions](#) [Create internet gateway](#)

<input type="checkbox"/>	Name	Internet gateway ID	State	VPC ID	Owner
<input type="checkbox"/>	-	igw-0fd66dccc2ab76c63	Attached	vpc-0aa06775f5be61ea2 Default	851725170629
<input type="checkbox"/>	Production-igw	igw-07eb33b19991ebb19	Attached	vpc-0eaaac1b2c2d18cdf Production	851725170629



Route tables (6) [Info](#)

Find resources by attribute or tag

Last updated 1 minute ago [Actions](#) [Create route table](#)

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC	Owner ID
<input type="checkbox"/>	-	rtb-0277acba093f9a57	-	-	Yes	vpc-0aa06775f5be61ea2 Defa...	851725170629
<input type="checkbox"/>	Production Devip-RT	rtb-0147b4aaa2b0f6176	subnet-001feb5af26e025...	-	No	vpc-0eaaac1b2c2d18cdf Prod...	851725170629
<input type="checkbox"/>	-	rtb-0ed13b6ecd2bf55a	-	-	Yes	vpc-065362dba08d4381b Dev...	851725170629
<input type="checkbox"/>	-	rtb-043d6df1cfbc58ab0	-	-	Yes	vpc-0eaaac1b2c2d18cdf Prod...	851725170629
<input type="checkbox"/>	Production-RT	rtb-08fb67c21377aaf21	subnet-0d688c78b1d133...	-	No	vpc-0eaaac1b2c2d18cdf Prod...	851725170629
<input type="checkbox"/>	Nat-Pro-RT	rtb-0b1491c6be01ee07d	3 subnets	-	No	vpc-0eaaac1b2c2d18cdf Prod...	851725170629

rtb-08fb67c21377aaf21 / Production-RT

[Actions](#)

Details [Info](#)

Route table ID
rtb-08fb67c21377aaf21

VPC
vpc-0eaaac1b2c2d18cdf | Production

Main
☒ No

Owner ID
☒ 851725170629

Explicit subnet associations
subnet-0d688c78b1d13323c / web

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	igw-07eb33b19991ebb19	Active	No
10.10.0.0/16	local	Active	No

Instances (5) [Info](#)

Last updated less than a minute ago [Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

Find Instance by attribute or tag (case-sensitive) [All states](#)

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
<input type="checkbox"/>	Web-Instance	i-0c7e52d2f3ddec1b4	Running	t2.micro	Initializing	View alarms +	us-east-1b	ec2-100-27-30-8.comp...	100.27.30.8
<input type="checkbox"/>	App1- Instance	i-0975167c4fb39694b	Running	t2.micro	Initializing	View alarms +	us-east-1b	ec2-44-208-27-115.co...	44.208.27.115
<input type="checkbox"/>	App2- Instance	i-058c58ff97e547d4a	Running	t2.micro	Initializing	View alarms +	us-east-1b	ec2-3-86-245-30.comp...	3.86.245.30
<input type="checkbox"/>	db- Instance	i-050e0e49352a29e8a	Running	t2.micro	Initializing	View alarms +	us-east-1b	ec2-44-211-147-17.co...	44.211.147.17
<input type="checkbox"/>	dbcache- Instance	i-01cf97721fc8a3ae7	Running	t2.micro	Initializing	View alarms +	us-east-1b	ec2-18-212-30-15.com...	18.212.30.15



PublicIPs: 100.27.30.8 PrivateIPs: 172.31.82.205

NAT gateways (1) Info

Find resources by attribute or tag

Name	NAT gateway ID	Connectivity...	State	State message	Primary public I...	Primary private I...	Primary network...	VPC
Production-NAT	nat-00a96bd5c99195742	Public	Available	-	54.162.117.1	10.10.5.207	eni-0fa203fde19067...	vpc-0eaac1b2cd2d18c



Route tables (1/6) [Info](#)

Last updated less than a minute ago [Actions](#) [Create route table](#)

Find resources by attribute or tag

<input checked="" type="checkbox"/>	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC	Owner ID
<input checked="" type="checkbox"/>	Nat-Pro-RT	rtb-0b1491c6be01ee07d	3 subnets	-	No	vpc-0eaaac1b2c2d18cdf Prod...	851725170629
<input type="checkbox"/>	Production-RT	rtb-08fb67c21377aaf21	subnet-0d688c78b1d133...	-	No	vpc-0eaaac1b2c2d18cdf Prod...	851725170629
<input type="checkbox"/>	-	rtb-02f7acbc9093f9a57	-	-	Yes	vpc-0aa06775f5be61ea2 Defa...	851725170629
<input type="checkbox"/>	Production Devlp-RT	rtb-0147b4aaa2b0f6176	subnet-001feb5af26e025...	-	No	vpc-0eaaac1b2c2d18cdf Prod...	851725170629
<input type="checkbox"/>	-	rtb-0ed13b6ecd2bf55a	-	-	Yes	vpc-065362dba08d4381b Dev...	851725170629
<input type="checkbox"/>	-	rtb-043ddf1cfbca58ab0	-	-	Yes	vpc-0eaaac1b2c2d18cdf Prod...	851725170629

rtb-0b1491c6be01ee07d / Nat-Pro-RT

[Details](#) [Routes](#) [Subnet associations](#) [Edge associations](#) [Route propagation](#) [Tags](#)

Routes (2) [Both](#) [Edit routes](#)

Filter routes

Destination	Target	Status	Propagated
0.0.0.0/0	igw-07eb33b19991ebb19	Active	No
10.10.0.0/16	local	Active	No

```
64 bytes from bi-in-f138.1e100.net (172.253.63.138): icmp_seq=2 ttl=55 time=1.96 ms
64 bytes from bi-in-f138.1e100.net (172.253.63.138): icmp_seq=3 ttl=55 time=1.98 ms
64 bytes from bi-in-f138.1e100.net (172.253.63.138): icmp_seq=4 ttl=55 time=2.04 ms
64 bytes from bi-in-f138.1e100.net (172.253.63.138): icmp_seq=5 ttl=55 time=1.97 ms
^C
--- google.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4005ms
rtt min/avg/max/mdev = 1.961/2.068/2.400/0.167 ms
ubuntu@ip-10-10-4-8:~$ ping 20.20.2.60
PING 20.20.2.60 (20.20.2.60) 56(84) bytes of data.
^C
--- 20.20.2.60 ping statistics ---
5 packets transmitted, 0 received, 100% packet loss, time 4125ms

ubuntu@ip-10-10-4-8:~$ ping 20.20.2.60
PING 20.20.2.60 (20.20.2.60) 56(84) bytes of data.
64 bytes from 20.20.2.60: icmp_seq=164 ttl=64 time=1.17 ms
64 bytes from 20.20.2.60: icmp_seq=165 ttl=64 time=0.755 ms
64 bytes from 20.20.2.60: icmp_seq=166 ttl=64 time=0.704 ms
64 bytes from 20.20.2.60: icmp_seq=167 ttl=64 time=2.02 ms
64 bytes from 20.20.2.60: icmp_seq=168 ttl=64 time=0.755 ms
```

i-09d1172c1a5900107 (web-instance)

PublicIPs: 3.235.181.38 PrivateIPs: 10.10.5.53