

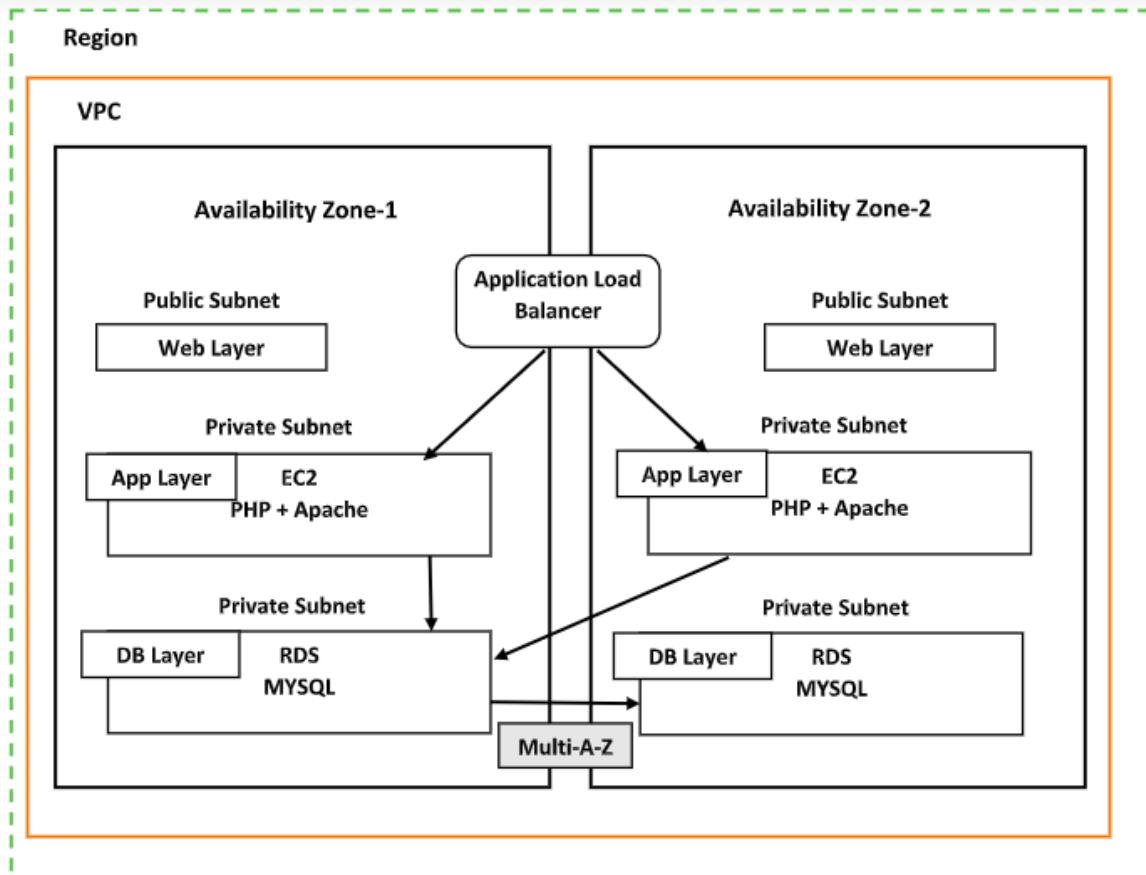
Assignment #1 (AWS)

Group member Name:

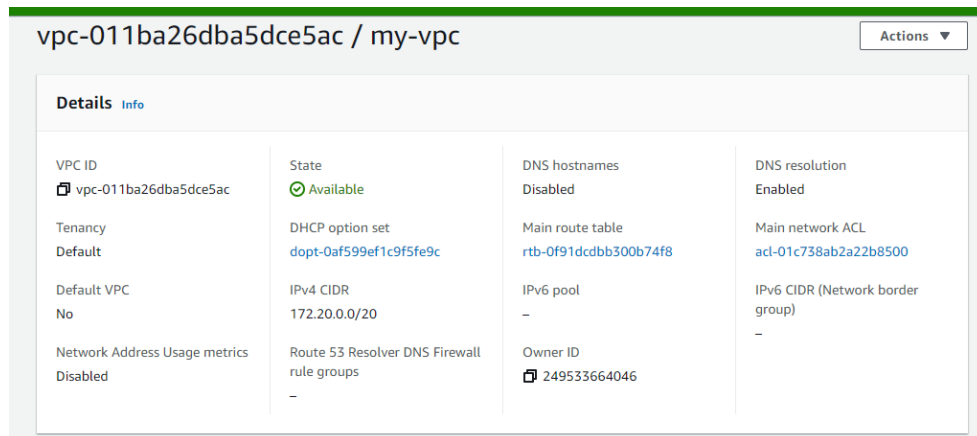
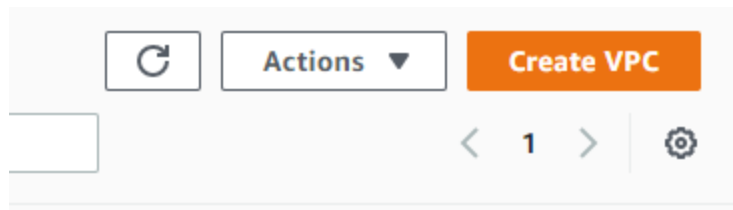
P19-1652 Hifza Majeed

P19-1664 Noman

P19-1672 Ahmad



Step 1: Create a VPC:

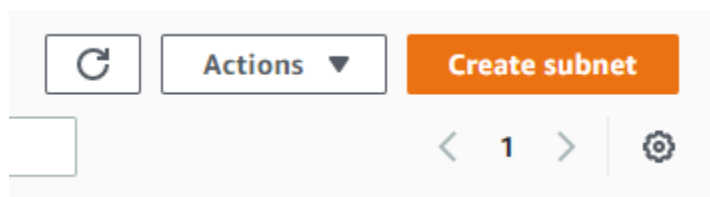


Step 2: Create Subnet:

1. Create 3 public web subnets

2. create 3 private app subnets

3.create 3 private DB subnet



Create subnet [Info](#)

VPC

VPC ID

Create subnets in this VPC.

vpc-011ba26dba5dce5ac (my-vpc) ▼

Associated VPC CIDRs

IPv4 CIDRs

172.20.0.0/20

Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 9

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

my-public-web-subnet-1

The name can be up to 255 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

Asia Pacific (Tokyo) / ap-northeast-1a ▼

IPv4 CIDR block [Info](#)

172.20.1.0/24

▼ Tags - optional

Key

Q Name

Value - optional

X

Q my-public-web-subnet-1

X

Remove

Add new tag

You can add 49 more tags.

Remove

Subnet 2 of 9

Subnet name

Subnet 2 of 9

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

The name can be up to 255 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

IPv4 CIDR block [Info](#)

▼ Tags - optional

Key

Value - optional

[Remove](#)[Add new tag](#)

You can add 49 more tags.

[Remove](#)

Subnet 3 of 9

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

The name can be up to 255 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

IPv4 CIDR block [Info](#)

▼ Tags - optional

Key

Value - optional

[Remove](#)[Add new tag](#)

You can add 49 more tags.

[Remove](#)

Subnet 4 of 9

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

my-private-app-subnet-1

The name can be up to 256 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

Asia Pacific (Tokyo) / ap-northeast-1a

IPv4 CIDR block [Info](#)

172.20.4.0/24

Tags - optional

Key

Name

Value - optional

my-private-app-subnet-1

Remove

Add new tag

You can add 49 more tags.

Remove

Subnet 5 of 9

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

my-private-app-subnet-2

The name can be up to 256 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

Asia Pacific (Tokyo) / ap-northeast-1c

IPv4 CIDR block [Info](#)

172.20.5.0/24

Tags - optional

Key

Name

Value - optional

my-private-app-subnet-2

Remove

Add new tag

You can add 49 more tags.

Remove

Subnet 6 of 9

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

The name can be up to 256 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

IPv4 CIDR block [Info](#)

▼ Tags - optional

Key

Value - optional

[Remove](#)[Add new tag](#)

You can add 49 more tags.

[Remove](#)

Subnet 7 of 9

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

The name can be up to 256 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

IPv4 CIDR block [Info](#)

▼ Tags - optional

Key

Value - optional

[Remove](#)[Add new tag](#)

You can add 49 more tags.

[Remove](#)

Subnet 8 of 9

Subnet 8 of 9

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

my-private-db-subnet-2

The name can be up to 255 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

Asia Pacific (Tokyo) / ap-northeast-1c

IPv4 CIDR block [Info](#)

172.20.8.0/24

Tags - optional

Key

Name

Value - optional

my-private-db-subnet-2

Remove

Add new tag

You can add 40 more tags.

Remove

Subnet 9 of 9

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

my-private-db-subnet-3

The name can be up to 255 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

Asia Pacific (Tokyo) / ap-northeast-1d

IPv4 CIDR block [Info](#)

172.20.9.0/24

Tags - optional

Key

Name

Value - optional

my-private-db-subnet-3

Remove

Add new tag

You can add 40 more tags.

Remove

Add new subnet

Subnets (9) [Info](#)

Subnet ID: subnet-0f49a03cd46ac9698 ✕

Subnet ID: subnet-0c5756a7816172f48 ✕

Subnet ID: subnet-0484c68d98877a070 ✕

Subnet ID: subnet-0ab0695be048d0f79 ✕

Subnet ID: subnet-03d0a9da3a6573670 ✕

Subnet ID: subnet-0d27d04633f068d4d ✕

Subnet ID: subnet-0657ac97bf8f68ab2 ✕

Subnet ID: subnet-009b471972b923f98 ✕

Subnet ID: subnet-0a92fcce9c423f185 ✕

Clear filters

Subnets (12) [Info](#)



Actions ▾

Create subnet

< 1 > ⚙

<input type="checkbox"/>	Name ▾	Subnet ID ▾	State ▾	VPC ▾	IPv4 CIDR ▾
<input type="checkbox"/>	my-private-app-subnet-2	subnet-03d0a9da3a6573670	✔ Available	vpc-011ba26dba5dce5ac my...	172.20.5.0/2
<input type="checkbox"/>	my-private-db-subnet-3	subnet-0a92fcce9c423f185	✔ Available	vpc-011ba26dba5dce5ac my...	172.20.9.0/2
<input type="checkbox"/>	my-private-app-subnet-1	subnet-0ab0695be048d0f79	✔ Available	vpc-011ba26dba5dce5ac my...	172.20.4.0/2
<input type="checkbox"/>	my-public-web-subnet-1	subnet-0f49a03cd46ac9698	✔ Available	vpc-011ba26dba5dce5ac my...	172.20.1.0/2
<input type="checkbox"/>	my-private-app-subnet-3	subnet-0d27d04633f068d4d	✔ Available	vpc-011ba26dba5dce5ac my...	172.20.6.0/2
<input type="checkbox"/>	-	subnet-0faf7cac52a699cfc	✔ Available	vpc-0dfccb51671981f61	172.31.0.0/2
<input type="checkbox"/>	my-public-web-subnet-2	subnet-0c5756a7816172f48	✔ Available	vpc-011ba26dba5dce5ac my...	172.20.2.0/2
<input type="checkbox"/>	my-private-db-subnet-1	subnet-0657ac97bf8f68ab2	✔ Available	vpc-011ba26dba5dce5ac my...	172.20.7.0/2
<input type="checkbox"/>	my-private-db-subnet-2	subnet-009b471972b923f98	✔ Available	vpc-011ba26dba5dce5ac my...	172.20.8.0/2
<input type="checkbox"/>	my-public-web-subnet-3	subnet-0484c68d98877a070	✔ Available	vpc-011ba26dba5dce5ac my...	172.20.3.0/2
<input type="checkbox"/>	-	subnet-0553e4a8e85a787d0	✔ Available	vpc-0dfccb51671981f61	172.31.32.0/
<input type="checkbox"/>	-	subnet-0de934095f3d0c188	✔ Available	vpc-0dfccb51671981f61	172.31.16.0/

Step 3: Create a routing table

1. Create public web route table
2. Create a private app route table
3. Create private DB route table



Actions ▾

Create route table

< 1 > ⚙

Create route table Info

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, connection.

Route table settings

Name - optional

Create a tag with a key of 'Name' and a value that you specify.

my-public-web-route-table

VPC

The VPC to use for this route table.

vpc-011ba26dba5dce5ac (my-vpc) ▼

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 organize your resources or track your AWS costs.

rtb-0e65798502ff1156a / my-private-app-route-table

📘 You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Details Info

Route table ID 📄 rtb-0e65798502ff1156a	Main 📄 No	Explicit subnet associations -	Edge associations -
VPC vpc-011ba26dba5dce5ac my-vpc	Owner ID 📄 249533664046		

Create route table [Info](#)

A route table specifies how packets are forwarded between the subnet and the Internet connection.

Route table settings

Name - *optional*

Create a tag with a key of 'Name' and a value that you specify.

VPC

The VPC to use for this route table.

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and a value. You can use tags to organize your resources or track your AWS costs.

Name ▾	Route table ID ▾	Explicit subnet associat...	Edge associations	Main ▾	VPC
my-private-app-route-table	rtb-0e65798502ff1156a	–	–	No	vpc-
my-public-web-route-table	rtb-0b257e03300e0d477	–	–	No	vpc-
–	rtb-0f91dcdbb300b74f8	–	–	Yes	vpc-
my-private-db-route-table	rtb-0c8f11dff883c49a8	–	–	No	vpc-

After creating the routing table now to associate with the related subnet:

Public web router associated with public web subnet:

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (9)

Properties

web-subnet-1 X

and ▾

Name: my-public-web-subnet-2 X

and ▾

Name: my-public-web-subnet-3 X

Name

Subnet ID

IPv4 CIDR

IPv6 CIDR

Subnet ID

IPv4 CIDR

IPv6 CIDR

Route table ID

Private app router associated with Private app subnet:

Selected subnets

subnet-03d0a9da3a6573670 / my-private-app-subnet-2 X

subnet-0d27d04633f068d4d / my-private-app-subnet-3 X

subnet-0ab0695be048d0f79 / my-private-app-subnet-1 X

Private db router associated with Private db subnet:


Selected subnets

subnet-009b471972b923f98 / my-private-db-subnet-2 X

subnet-0657ac97bf8f68ab2 / my-private-db-subnet-1 X


subnet-0a92f9ce9c423f185 / my-private-db-subnet-3 X




Route tables (5) [Info](#)

 *Filter route tables*

<input type="checkbox"/>	Name ▼	Route table ID ▼	Explicit subnet associat...
<input type="checkbox"/>	my-public-web-route-table	rtb-0b257e03300e0d477	<u>3 subnets</u>
<input type="checkbox"/>	my-private-db-route-table	rtb-0c8f11dff883c49a8	<u>3 subnets</u>
<input type="checkbox"/>	my-private-app-route-table	rtb-0e65798502ff1156a	<u>3 subnets</u>

Step 4: Create Internet gateway:

 **Actions** ▼ **Create internet gateway**

 **1**  

Internet gateway settings

Name tag

Creates a tag with a key of 'Name' and a value that you specify.

Tags - optional

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

You can add 49 more tags.

After Creating then attached to VPC:

Attach to VPC (igw-0b3b5d7b05ba9eeca) [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.

► AWS Command Line Interface command

igw-0b3b5d7b05ba9eeca / my-internet-gateway

Actions ▼

Details Info			
Internet gateway ID igw-0b3b5d7b05ba9eeca	State Attached	VPC ID vpc-011ba26dba5dce5ac my-vpc	Owner 249533664046

Tags		Manage tags
<input type="text" value="Search tags"/>		< 1 > ⚙
Key	Value	
Name	my-internet-gateway	

Step 5: Create NAT gateway:

Actions ▼

Create NAT gateway

NAT gateway settings

Name - *optional*

Create a tag with a key of 'Name' and a value that you specify.

my-nat gateway-1

The name can be up to 256 characters long.

Subnet

Select a subnet in which to create the NAT gateway.

subnet-0f49a03cd46ac9698 (my-public-web-subnet-1)

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-042e1471bad838c68

[Allocate Elastic IP](#)

► Additional settings

nat-015125396ae3aeadc / my-nat gateway-1

Details [Info](#)

NAT gateway ID  nat-015125396ae3aeadc	Connectivity type Public	State  Pending	State message –
NAT gateway ARN  arn:aws:ec2:ap-northeast-1:249533664046:natgateway/nat-015125396ae3aeadc	Elastic IP address –	Primary private IPv4 address –	Network interface –
VPC vpc-011ba26dba5dce5ac / my-vpc	Subnet subnet-0f49a03cd46ac9698 / my-public-web-subnet-1	Created  Sunday, November 20, 2022 at 11:24:11 GMT+5	Deleted –

Find it in the new [Unified Settings](#)

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Connect the internet gateway with public router:

Edit routes

Destination	Target	Status	Propagated
172.20.0.0/20	<input type="text" value="local"/>	Active	No
<input type="text" value="0.0.0.0/0"/>	<input type="text" value="igw-igw-0b3b5d7b05ba9eeca (my-internet-gateway)"/>	-	No
<input type="button" value="Add route"/>			

Connect the NAT gateway with the private app router:

Edit routes

Destination	Target	Status	Propagated
172.20.0.0/20	<input type="text" value="local"/>	Active	No
<input type="text" value="0.0.0.0/0"/>	<input type="text" value="nat-015125396ae3aeadd"/>	-	No
<input type="button" value="Add route"/>			

Connect the NAT gateway with a Private DB router:

Edit routes

Destination	Target	Status	Propagated
172.20.0.0/20	<input type="text" value="local"/>	Active	No
<input type="text" value="0.0.0.0/0"/>	<input type="text" value="nat-015125396ae3aeadd"/>	-	No
<input type="button" value="Add route"/>			

Step 6: Create Instances:

Name and tags [Info](#)

Name

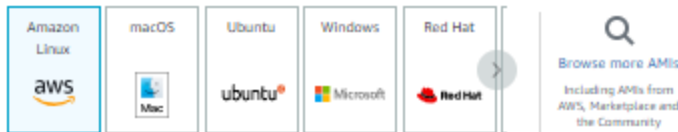
my-ec2-main

[Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Quick Start



Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type
ami-072bfb8ae2c884cc4 (x86_64) / ami-008b9d4f806095a1a7 (ARM) (ARM)
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description

Amazon Linux 2 Kernel 5.10 AMI 2.0.20221103.3 x86_64 HVM gp2

Architecture

64-bit (x86)

AMI ID

ami-072bfb8ae2c884cc4

Verified provider

▼ Instance type [Info](#)

Instance type

t2.micro
Family: t2 1 vCPU 1 GiB Memory
On-Demand Linux pricing: 0.0152 USD per Hour
On-Demand Windows pricing: 0.0198 USD per Hour

Free tier eligible

[Compare instance types](#)

Key pair name - required

mykeypair

Create new key pair

Network settings
Info

VPC - required
Info

vpc-011ba26dba5dce5ac (my-vpc)

172.20.0.0/20

Subnet
Info

subnet-0f49a03cd46ac9698 my-public-web-subnet-1

VPC: vpc-011ba26dba5dce5ac Owner: 249535664046
Availability Zone: ap-northeast-1a IP addresses available: 250 CIDR: 172.20.1.0/24

Create new subnet

Auto-assign public IP
Info

Enable

Firewall (security groups)
Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group
☐ Select existing security group

Security group name - required

my-ec2-main-sg

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-./!@,#[*~=:&[]!\$*

Description - required
Info

my-ec2-main-sg

Inbound security groups rules

Security group rule 1 (TCP, 22, 0.0.0.0/0)

Remove

Type
Info

ssh

Protocol
Info

TCP

Port range
Info

22

Source type
Info

Anywhere

Source
Info

Add CIDR, prefix list or security
0.0.0.0/0

Description - optional
Info

e.g. SSH for admin desktop

Create 3 instances:

Instances (3) Info							
Find instance by attribute or tag (case-sensitive)							
<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	
<input type="checkbox"/>	my-ec2-main	i-08ffd1001a72a48a0	Running	t2.micro	2/2 checks passed	No alarms	+
<input type="checkbox"/>	my-php-app-server-1	i-060401e779c77394b	Running	t2.micro	2/2 checks passed	No alarms	+
<input type="checkbox"/>	my-php-app-server-2	i-019662affab79bef9	Pending	t2.micro	-	No alarms	+

Step 7: Connect EC2 with the local machine(ubuntu)

```
ec2-user@ip-172-20-1-168 x
ec2-user:~/environment $ ls
my-keypair.pem  README.md
ec2-user:~/environment $ ssh -i "my-keypair.pem" ec2-user@18.179.174.2
Last login: Tue Nov 29 16:50:08 2022 from ec2-3-112-236-242.ap-northeast-1.compute.amazonaws.com

  _| _|_ )
 _| (   /  Amazon Linux 2 AMI
__|\_|_|_|

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 1 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-20-1-168 ~]$
```

Connect public EC2 with Private EC2:

```
ec2-user:~/environment $ ssh -i "my-keypair.pem" ec2-user@18.179.174.2
Last login: Tue Nov 29 18:45:39 2022 from ec2-3-112-236-242.ap-northeast-1.compute.amazonaws.com

  _| _|_ )
 _| (   /  Amazon Linux 2 AMI
__|\_|_|_|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-20-1-168 ~]$ ssh -i "my-keypair.pem" ec2-user@172.20.4.164
Last login: Tue Nov 29 18:21:50 2022 from 172.20.1.168

  _| _|_ )
 _| (   /  Amazon Linux 2 AMI
__|\_|_|_|

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 1 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-20-4-164 ~]$
```

Connect public EC2 with another Private EC2:

```

[ec2-user@ip-172-20-4-164 ~]$
[ec2-user@ip-172-20-4-164 ~]$
[ec2-user@ip-172-20-4-164 ~]$ exit
logout
Connection to 172.20.4.164 closed.
[ec2-user@ip-172-20-1-168 ~]$
[ec2-user@ip-172-20-1-168 ~]$
[ec2-user@ip-172-20-1-168 ~]$
[ec2-user@ip-172-20-1-168 ~]$ sudo ssh -i "my-keypair.pem" ec2-user@172.20.7.168
Last login: Tue Nov 29 18:53:15 2022 from 172.20.1.168

  _| _|_ )
 _| (   /   Amazon Linux 2 AMI
__|\_|_|_|

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 1 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-20-7-168 ~]$ █

```

Step 8: Commands for app server php installment

1. `sudo yum update -y`
2. `sudo amazon-linux-extras install -y lamp-mariadb10.2 -php7.2 php7.2`
3. `sudo yum install -y httpd mariadb-server`

Starting services

1. `sudo systemctl start httpd`
2. `sudo systemctl enable httpd`
3. `curl http://localhost`

```
ec2-user@ip-172-20-4-164 x
[ec2-user@ip-172-20-4-164 ~]$ sudo systemctl enable httpd
[ec2-user@ip-172-20-4-164 ~]$ curl http://localhost
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
  <head>
    <title>Test Page for the Apache HTTP Server</title>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
    <style type="text/css">
      /**/
      body {
        background-color: #fff;
        color: #000;
        font-size: 0.9em;
        font-family: sans-serif, helvetica;
        margin: 0;
        padding: 0;
      }
      :link {
        color: #c00;
      }
      :visited {
        color: #c00;
      }
      a:hover {</pre></div><div data-bbox="111 514 359 534" data-label="Section-Header"><h2>Step 9: Giving permission</h2></div><div data-bbox="113 544 842 875" data-label="Code-Block"><pre>ec2-user@ip-172-20-4-164 x
&lt;/html&gt;
[ec2-user@ip-172-20-4-164 ~]$
[ec2-user@ip-172-20-4-164 ~]$ clear
[ec2-user@ip-172-20-4-164 ~]$ sudo usermod -a -G apache ec2-user
[ec2-user@ip-172-20-4-164 ~]$ exit
logout
Connection to 172.20.4.164 closed.
[ec2-user@ip-172-20-1-168 ~]$ ssh -i "my-keypair.pem" ec2-user@172.20.4.164
Last login: Tue Nov 29 19:41:41 2022 from 172.20.1.168

  _|_  _|_  )
 _| (   /   Amazon Linux 2 AMI
__|\\__|__|



https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-20-4-164 ~]$ groups
ec2-user adm wheel apache systemd-journal
[ec2-user@ip-172-20-4-164 ~]$ sudo chown -R ec2-user:apache /var/www
[ec2-user@ip-172-20-4-164 ~]$ sudo chmod 2775 /var/www &amp;&amp; find /var/www -type d -exec sudo chmod 2775 {} \;
[ec2-user@ip-172-20-4-164 ~]$ find /var/www -type f -exec sudo chmod 0664 {} \;
[ec2-user@ip-172-20-4-164 ~]$ █</pre></div>
```


Step 10: Install PHP on my admin

Steps

1. `sudo yum install php-mbstring php-xml -y`
2. `sudo systemctl restart httpd`
3. `sudo systemctl restart php-fpm`
4. `cd /var/www/html`
5. `wget https://www.phpmyadmin.net/downloads/phpMyAdmin-latest-all-languages.tar.gz`
6. `mkdir phpMyAdmin && tar -xvzf phpMyAdmin-latest-all-languages.tar.gz -C phpMyAdmin --strip-components 1`
7. `rm phpMyAdmin-latest-all-languages.tar.gz`
8. `sudo systemctl start MariaDB`

Step 11: Load Balancers

 Security group (sg-015ec8a760f29b144 | my-alb-sgg) was created successfully 







 Details

EC2 > Security Groups > sg-015ec8a760f29b144 - my-alb-sgg

sg-015ec8a760f29b144 - my-alb-sgg

Actions ▼

Details

Security group name  my-alb-sgg	Security group ID  sg-015ec8a760f29b144	Description  my-alb-sgg	VPC ID  vpc-01bb7e3d91279a951 
Owner  237913657547	Inbound rules count 1 Permission entry	Outbound rules count 1 Permission entry	

Summary

Review and confirm your configurations. [Estimate cost](#)

Basic configuration [Edit](#)

my-alb

- Internet-facing
- IPv4

Security groups [Edit](#)

- my-alb-sg
 - [sg-095d3e45fe6666372](#)

Network mapping [Edit](#)

VPC [vpc-01bb7e3d91279a951](#)
assignment1-vpc

- ap-northeast-1a
 - [subnet-03958bfeffb7369d4](#)
my-public-web-subnet-1
- ap-northeast-1c
 - [subnet-0ee4e40e2f03dafd9](#)
my-public-web-subnet-2

Listeners and routing [Edit](#)

- HTTP:80 defaults to [my-alb-tg](#)

Add-on services [Edit](#)

None

Tags [Edit](#)

None

Attributes

Certain default attributes will be applied to your load balancer. You can view and edit them after creating the load balancer.

Step 12:

Editing security groups of instances

Inbound changes

Inbound rules

Outbound rules

Tags

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Inbound rules (2)

Manage tags

Edit inbound rules

Filter security group rules

< 1 >

	Name	Security group rule...	IP version	Type	Protocol
<input type="checkbox"/>	–	sgr-08f3cd4e7c602d83c	–	HTTP	TCP
<input type="checkbox"/>	–	sgr-0297a89d996e9eff5	–	SSH	TCP

Checking the health state of target groups

Target group: my-alb-tgg

Registered targets (1 / 2)							
<div><div></div><div>Filter resources by property or value</div></div>							
	Instance ID	Name	Port	Zone	Health status	He	de
<input type="checkbox"/>	i-0e311ec3968d4043d	justforapp	80	ap-northeast-1a	✓ healthy		

Copy the DNS NAME of the load balancer and check to work

←

→

↺

⚠ Not secure

alb-838742142.ap-northeast-1.elb.amazonaws.com/index.html

PHP SERVER 2

←

→

↺

⚠ Not secure

alb-838742142.ap-northeast-1.elb.amazonaws.com/index.html

PHP SERVER 1

NOW DATA BASE
CREATE SUBNETS

✓ Successfully created db-subnet-group. [View subnet group](#)

[RDS](#) > [Subnet groups](#) > db-subnet-group

db-subnet-group

Subnet group details

VPC ID

[vpc-01bb7e3d91279a951](#)

ARN

arn:aws:rds:ap-northeast-1:237913657547:subgrp:db-subnet-group

Supported network types

IPv4

Description

db-subnet-group

Creating database

✔ Successfully created db-subnet-group. [View subnet group](#)

⌵ Creating database database-1

View credential details

Your database might take a few minutes to launch.

RDS > Databases > database-1

database-1

Modify

Actions ▾

Summary

DB Identifier database-1	CPU -	Status 🕒 Creating	Class db.t3.micro
Role Instance	Current activity	Engine MySQL Community	Region & AZ ap-northeast-1a

Connectivity & security

Monitoring

Logs & events

Configuration

Maintenance & backups

Tags

Db security group inbound rules

EC2 > Security Groups > sg-03b9403db5df3b708 - my-db-sg > Edit inbound rules

Edit inbound rules [Info](#)

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

Inbound rules [Info](#)

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info	
-	Custom TCP ▾	TCP	3306	Custom ▾ <input type="text" value="sg-0cf462f1aa25f15b3"/>	<input type="text"/>	<div>Delete</div>

Add rule

Cancel

Preview changes

Save rules

File local host to DB

```
ec2-user@ip-172-20-4-16 x
GNU nano 2.9.8 config.inc.php Modified
* cookie. Needs to be 32 chars long.
*/
$config['blowfish_secret'] = ''; /* YOU MUST FILL IN THIS FOR COOKIE AUTH! */

/**
 * Servers configuration
 */
$i = 0;

/**
 * First server
 */
$i++;
/* Authentication type */
$config['Servers'][$i]['auth_type'] = 'cookie';
/* Server parameters */
$config['Servers'][$i]['host'] = 'database-1.cfqn5rnwpov9.ap-northeast-1.rds.amazonaws.com';
$config['Servers'][$i]['compress'] = false;
$config['Servers'][$i]['AllowNoPassword'] = false;


/**
 * phpMyAdmin configuration storage settings.
 */

/* User used to manipulate with storage */
// $config['Servers'][$i]['controlhost'] = '';

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^G Cur Pos M-U Undo M-A Mark Text M-J To Bracket M-A Previous
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line M-E Redo M-G Copy Text M-W WhereIs Next M-V Next
```

PHP my admin

← → ↻ ⚠ Not secure | alb-838742142.ap-northeast-1.elb.amazonaws.com/phpMyAdmin/



Welcome to phpMyAdmin

Language

English

Log in

Username:

Password:

Log in

