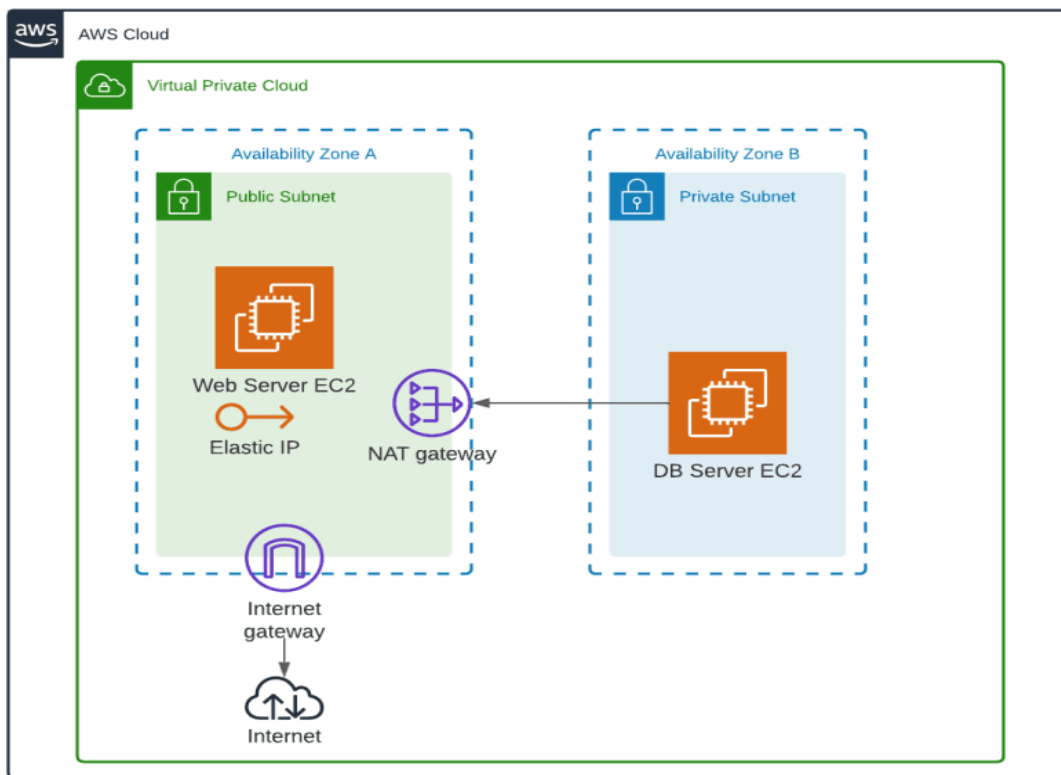


Assignment -4b

Title: Work on AWS VPC or Elastic Beanstalk for Deployment.



Create VPC Info

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.

VPC settings

Resources to create Info
Create only the VPC resource or the VPC and other networking resources.

☒ VPC only ☐ VPC and more

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

MyVPC

IPv4 CIDR block Info
☒ IPv4 CIDR manual input
☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR
10.0.0.0/16

IPv6 CIDR block Info
☒ No IPv6 CIDR block
☐ IPAM-allocated IPv6 CIDR block
☐ Amazon-provided IPv6 CIDR block
☐ IPv6 CIDR owned by me

Tenancy Info
Default

You successfully created vpc-055ba63a2afc5eb5f / MyVPC

VPC > Your VPCs > vpc-055ba63a2afc5eb5f

vpc-055ba63a2afc5eb5f / MyVPC

Details Info

VPC ID	State
vpc-055ba63a2afc5eb5f	Available
Tenancy	DHCP option set
Default	dopt-05e2f72f0cf16174e
Default VPC	IPv4 CIDR
No	10.0.0.0/16
Route 53 Resolver DNS Firewall rule groups	Owner ID
-	192136579241

CIDRs Info

Address type	CIDR
IPv4	10.0.0.0/16

You have successfully created 1 subnet: subnet-0d451dec3db306c79

Subnets (1/6) Info

Filter subnets

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Available IPv4 addresses
<input type="checkbox"/>	-	subnet-0946dc90bdbbebb1b9	Available	vpc-05402bbc8087ade91	172.31.32.0/20	-	4091
<input type="checkbox"/>	-	subnet-0059fc6d15f3e56e3	Available	vpc-05402bbc8087ade91	172.31.0.0/20	-	4091
<input type="checkbox"/>	DbtSN2	subnet-0d451dec3db306c79	Available	vpc-055ba63a2afc5eb5f MyV...	10.0.3.0/24	-	251
<input type="checkbox"/>	DbtSN	subnet-0c35ae862f5c14e7f	Available	vpc-055ba63a2afc5eb5f MyV...	10.0.2.0/24	-	251
<input checked="" type="checkbox"/>	WebtSN	subnet-0094500ff67263a2a	Available	vpc-055ba63a2afc5eb5f MyV...	10.0.1.0/24	-	251
<input type="checkbox"/>	-	subnet-0be2028c7a5300f17	Available	vpc-05402bbc8087ade91	172.31.16.0/20	-	4091

Create DB subnet group

To create a new subnet group, give it a name and a description, and choose an existing VPC. You will then be able to add subnets related to that VPC.

Subnet group details

Name
You won't be able to modify the name after your subnet group has been created.

 Must contain from 1 to 255 characters. Alphanumeric characters, spaces, hyphens, underscores, and periods are allowed.

Description

VPC
Choose a VPC identifier that corresponds to the subnets you want to use for your DB subnet group. You won't be able to choose a different VPC identifier after your subnet group has been created.

☒ MyVPC (vpc-055ba63a2afc5eb5f)
☐ vpc-05402bbc8087ade91

Add subnets

Availability Zones
Choose the Availability Zones that include the subnets you want to add.

Subnets
Choose the subnets that you want to add. The list includes the subnets in the selected Availability Zones.

Successfully created RDSSG. [View subnet group](#)

RDS > Subnet groups

Subnet groups (2)

Filter by subnet group

	Name	Description	Status
<input type="checkbox"/>	defaultsg	default	Complete
<input type="checkbox"/>	rdssg	RDSSG	Complete

RDS > Create database

Create database





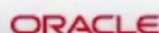

Choose a database creation method Info

☒ **Standard create**
You set all of the configuration options, including ones for availability, security, backups, and maintenance.

☐ **Easy create**
Use recommended best-practice configurations. 1 configuration options can be changed after the database is created.

Engine options

Engine type Info

<input checked="" type="radio"/> Amazon Aurora 	<input type="radio"/> MySQL 	<input type="radio"/> MariaDB 
<input type="radio"/> PostgreSQL 	<input type="radio"/> Oracle 	<input type="radio"/> Microsoft SQL Server 

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.

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	
Q Name	X	
Q MyIGT	X	Remove

Add new tag

You can add 49 more tags.

Cancel **Create internet gateway**

VPC > Route tables > Create route table

Create route table Info

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

Route table settings

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

VPC
The VPC to use for this route table.

Select a 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 search and filter your resources or track your AWS costs.

Key	Value - optional	
Q Name	X	
Q In	X	Remove

Add new tag

You can add 49 more tags.

EC2 > Instances > Launch an Instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name

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.

Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon Linux

Ubuntu

Windows

Red Hat

SUSE Linux

aws

ubuntu

Microsoft

RedHat

SUSE

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Summary

Number of instances Info

Software image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...[read more](#)
ami-08d646c18b182546

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) Instance usage on free tier AMIs per month: 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel **Launch instance**

License configurations Info

Select a license configuration

☐ Specify CPU options
The selected instance type does not support CPU options.

Metadata accessible Info

Select

Metadata version Info

Select

Metadata response hop limit Info

Select

Allow tags in metadata Info

Select

User data Info

```
usermod -s /bin/bash ec2-user
sudo chown -R ec2-user:apache /var/www
sudo chmod 777 /var/www
find /var/www -type d -exec sudo chmod 2775 {} \;
find /var/www -type f -exec sudo chmod 0664 {} \;
cd /var/www
mkdir inc
cd inc
git clone https://github.com/Gautamprasadsah/contact2.git
cd contact2
mv dbinfo.inc /var/www/inc
cd /var/www/html
git clone https://github.com/Gautamprasadsah/contact.git
cd contact
mv about.html contact.html css/ images/ index.html js/ service.html
contact.php /var/www/html
```

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
Baston_server	i-05a59fe48935f210c	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	-	13.127.128.68	-
Web_Server	i-0f1429db7b7ed53b2	Running	t2.micro	Initializing	No alarms	ap-south-1a	-	13.235.45.242	-

```

root@ip-10-0-1-219:/home/ec2-user
Verifying : initscripts-9.49.47-1.amzn2.0.1.x86_64 25/27
Verifying : expat-2.1.0-12.amzn2.0.4.x86_64 26/27
Verifying : glibc-2.26-58.amzn2.x86_64 27/27

Installed:
kernel.x86_64 0:5.10.126-117.518.amzn2

Updated:
amazon-ssm-agent.x86_64 0:3.1.1575.0-1.amzn2
curl.x86_64 0:7.79.1-4.amzn2.0.1
expat.x86_64 0:2.1.0-14.amzn2.0.1
glibc.x86_64 0:2.26-59.amzn2
glibc-all-langpacks.x86_64 0:2.26-59.amzn2
glibc-common.x86_64 0:2.26-59.amzn2
glibc-locale-source.x86_64 0:2.26-59.amzn2
glibc-minimal-langpack.x86_64 0:2.26-59.amzn2
initscripts.x86_64 0:9.49.47-1.amzn2.0.2
libcrypt.x86_64 0:2.26-59.amzn2
libcurl.x86_64 0:7.79.1-4.amzn2.0.1
systemtap-runtime.x86_64 0:4.5-1.amzn2.0.1
yum.noarch 0:3.4.3-158.amzn2.0.6

Complete!
[root@ip-10-0-1-219 ec2-user]# yum install mysql

```

Instance: i-05a59fe48935f210c (Baston_server)

