

## Ques 1:

Create your own new custom VPC

- And configure your EC2 linux instance inside your custom VPC
- and then create 3 subnets of that VPC
- Attach an internet gateway to your custom VPC

Step1: VPC has been created with name argentina

The screenshot shows the AWS VPC console. At the top, there's a header 'Your VPCs (1/2)' with a search bar and a 'Create VPC' button. Below this is a table of VPCs. The first row is selected, showing details for the 'argentina' VPC (ID: vpc-08e1e73b775e11b82). The VPC is in an 'Available' state with an IPv4 CIDR of 10.0.0.0/16. Below the table, there's a detailed view of the selected VPC. The 'Details' tab is active, showing various attributes: VPC ID, Tenancy (Default), Default VPC (No), Network Address Usage metrics (Disabled), State (Available), DHCP option set (dopt-02e2254d72a1d822c), IPv4 CIDR (10.0.0.0/16), Route 53 Resolver DNS Firewall rule groups, DNS hostnames (Disabled), DNS resolution (Enabled), Main route table (rtb-050bb32576b25434b), Main network ACL (acl-07b5167ee8d56a6ee), IPv6 pool, and Owner ID (780163399491).

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set
argentina	vpc-08e1e73b775e11b82	Available	10.0.0.0/16	-	dopt-02e2254d

**vpc-08e1e73b775e11b82 / argentina**

**Details**

VPC ID vpc-08e1e73b775e11b82	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-02e2254d72a1d822c	Main route table rtb-050bb32576b25434b	Main network ACL acl-07b5167ee8d56a6ee
Default VPC No	IPv4 CIDR 10.0.0.0/16	IPv6 pool -	IPv6 CIDR (Network border group) -
Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups -	Owner ID 780163399491	

Step 2: Subnet has been created within VPC

The screenshot shows the AWS Subnets console. At the top, there's a header 'Subnets (1/4)' with a search bar and an 'Actions' button. Below this is a table of subnets. The second row is selected, showing details for the 'messi' subnet (ID: subnet-086f4674d3fd09da6). The subnet is in an 'Available' state with an IPv4 CIDR of 10.0.0.0/24. Below the table, there's a detailed view of the selected subnet. The 'Details' tab is active, showing various attributes: Subnet ID, VPC (vpc-08e1e73b775e11b82 | argentina), IPv4 CIDR, State (Available), and Owner ID (780163399491).

Name	Subnet ID	State	VPC	IPv4 CIDR
-	subnet-0faa0a445d7fc3e3c	Available	vpc-01f9dd99c901e2829	172.31.32.0/20
messi	subnet-086f4674d3fd09da6	Available	vpc-08e1e73b775e11b82   argentina	10.0.0.0/24
-	subnet-0ee3e2083b62f1c3a	Available	vpc-01f9dd99c901e2829	172.31.0.0/20
-	subnet-0cd6c058d2603e9f2	Available	vpc-01f9dd99c901e2829	172.31.16.0/20

**subnet-086f4674d3fd09da6**

**Details**

Subnet ID subnet-086f4674d3fd09da6	VPC vpc-08e1e73b775e11b82   argentina
IPv4 CIDR 10.0.0.0/24	State Available
Owner ID 780163399491	

Step 3: AN internet gateway has been attached to the VPC

The screenshot shows the AWS Internet Gateways console. At the top, there's a header 'Internet gateways (2)' with a search bar and a 'Create internet gateway' button. Below this is a table of internet gateways. The first row is selected, showing details for the 'my-fifa' internet gateway (ID: igw-09054ca917bc1209c). The gateway is in an 'Attached' state and is associated with the 'argentina' VPC. Below the table, there's a detailed view of the selected internet gateway. The 'Details' tab is active, showing various attributes: Internet gateway ID, VPC (vpc-08e1e73b775e11b82 | argentina), Owner (780163399491), and State (Attached).

Name	Internet gateway ID	State	VPC ID	Owner
my-fifa	igw-09054ca917bc1209c	Attached	vpc-08e1e73b775e11b82   argentina	780163399491
-	igw-0be38f3994168b7c4	Attached	vpc-01f9dd99c901e2829	780163399491

**igw-09054ca917bc1209c**

**Details**

Internet gateway ID igw-09054ca917bc1209c	VPC vpc-08e1e73b775e11b82   argentina
Owner 780163399491	State Attached

Step 4:An EC2 instance was created inside the VPC and proper connections were made.

Instances (1/1) [Info](#)

🔄

Connect

Instance state ▼

Actions ▼

Launch instances

🔍 Find instance by attribute or tag (case-sensitive)

< 1 >

<input checked="" type="checkbox"/>	Name ▼	Instance ID	Instance state ▼	Instance type ▼	Status check	Alarm status	Availability Zone ▼	Public IPv4 DNS

Instance: i-0f9feefdb6687459a (qatar)

Amazon Private Resource DNS Name

IPv4 (A)

Auto-assigned IP address

–

IAM Role

–

Instance type

t2.micro

VPC ID

🔗

vpc-08e1e73b775e11b82 (argentina) [🔗](#)

Subnet ID

🔗

subnet-086f4674d3fd09da6 (messi) [🔗](#)

Elastic IP addresses

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AWS Compute Optimizer finding

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Opt-in to AWS Compute Optimizer for recommendations. | [Learn more](#) [🔗](#)

Auto Scaling Group name

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