

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

## Step 1: Created Custom VPC with CIDR-10.0.0.0/24

The screenshot displays the AWS Management Console interface for VPCs. At the top, there's a header 'Your VPCs (1/2)' with a search bar and a 'Create VPC' button. Below this, a table lists VPCs. The 'myCustomVPC' is highlighted, showing its ID as 'vpc-06a34acda34ecb17d', state as 'Available', and IPv4 CIDR as '10.0.0.0/16'. Below the table, the 'Details' tab for 'vpc-06a34acda34ecb17d / myCustomVPC' is open. It shows various configuration details: VPC ID, State (Available), DNS hostnames (Disabled), DNS resolution (Enabled), Tenancy (Default), DHCP option set (dopt-0b57a935c28fcb869), Main route table (rtb-01d40041aac9750cf), Main network ACL (acl-0205fafb22e5240f9), Default VPC (No), IPv4 CIDR (10.0.0.0/16), IPv6 pool (None), and IPv6 CIDR (None).

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP op
DefaultVPC	vpc-05a95966be119e38e	Available	172.31.0.0/16	-	dopt-0b57a935c28fcb869
myCustomVPC	vpc-06a34acda34ecb17d	Available	10.0.0.0/16	-	dopt-0b57a935c28fcb869

**Details**

VPC ID	State	DNS hostnames	DNS resolution
vpc-06a34acda34ecb17d	Available	Disabled	Enabled
Tenancy	DHCP option set	Main route table	Main network ACL
Default	dopt-0b57a935c28fcb869	rtb-01d40041aac9750cf	acl-0205fafb22e5240f9
Default VPC	IPv4 CIDR	IPv6 pool	IPv6 CIDR (Network border group)
No	10.0.0.0/16	-	-

## Step 2: Created 3 subnet

Subnet 1 - 10.0.0.0/24

Subnet 2 - 10.0.1.0/24

Subnet 3 -

The screenshot shows the AWS Management Console interface for Subnets. At the top, there's a header 'Subnets (3)' with a search bar and a 'Create subnet' button. Below this, a table lists subnets. Three subnets are listed: 'Public-Custom-Subnet2', 'Public-Custom-Subnet1', and 'Public-Custom-Subnet3'. All three are in 'Available' state and are associated with the VPC 'vpc-06a34acda34ecb17d | my...'. Their IPv4 CIDRs are '10.0.1.0/24', '10.0.0.0/24', and '10.0.2.0/24' respectively. Below the table, there's a 'Select a subnet' section.

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
Public-Custom-Subnet2	subnet-0c95d5a3ec1a8cd65	Available	vpc-06a34acda34ecb17d   my...	10.0.1.0/24	-
Public-Custom-Subnet1	subnet-050c6cec925749d68	Available	vpc-06a34acda34ecb17d   my...	10.0.0.0/24	-
Public-Custom-Subnet3	subnet-0a5a5d218025bcbd9	Available	vpc-06a34acda34ecb17d   my...	10.0.2.0/24	-

Select a subnet

### Step 3: Create and Attach Internet gateway to Custom VPC

VPC > Internet gateways > igw-00182fb9fb095e18a

igw-00182fb9fb095e18a / CustomIGW

Actions

Details Info

Internet gateway ID  
igw-00182fb9fb095e18a

State  
Attached

VPC ID  
vpc-06a34acda34ecb17d | myCustomVPC

Owner  
563684797122

Tags

Manage tags

Search tags

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Key	Value
Name	CustomIGW

Created Route table and added subnet to it and attached Internet gateway

rtb-041c9614e0e32e190 / Rout1

Actions

Details Info

Route table ID  
rtb-041c9614e0e32e190

Main  
No

Explicit subnet associations  
3 subnets

Edge associations  
-

VPC  
vpc-06a34acda34ecb17d | myCustomVPC

Owner ID  
563684797122

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (2)

Edit routes

Filter routes

Both

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Destination	Target	Status	Propagated
0.0.0.0/0	igw-00182fb9fb095e18a	Active	No
10.0.0.0/16	local	Active	No

rtb-041c9614e0e32e190 / Rout1

Actions

Details Info

Route table ID  
rtb-041c9614e0e32e190

Main  
No

Explicit subnet associations  
3 subnets

Edge associations  
-

VPC  
vpc-06a34acda34ecb17d | myCustomVPC

Owner ID  
563684797122

Routes

Subnet associations

Edge associations

Route propagation

Tags

Explicit subnet associations (3)

Edit subnet associations

Find subnet association

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Subnet ID	IPv4 CIDR	IPv6 CIDR
subnet-0c95d5a3ec1a8cd65 / Public-Custom-Subnet2	10.0.1.0/24	-
subnet-050c6cec925749d68 / Public-Custom-Subnet1	10.0.0.0/24	-
subnet-0a5a5d218025bdcdb9 / Public-Custom-Subnet3	10.0.2.0/24	-

## 4. Configure EC2 instance inside custom VPC

Instances (1/3) [info](#)

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Connect

Instance state ▾

Actions ▾

Launch instances ▾

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

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<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv
<input checked="" type="checkbox"/>	Server1	i-00e94e78e675f909a	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1c	–
<input type="checkbox"/>	Server3	i-0f246d0462406455e	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1c	–
<input type="checkbox"/>	Server2	i-08ce8636cc0506ce3	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1c	–

Instance: i-00e94e78e675f909a (Server1)

Hostname type

IP name: ip-10-0-0-15.ec2.internal

Answer private resource DNS name

IPv4 (A)

Auto-assigned IP address

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IAM Role

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Private IP DNS name (IPv4 only)

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ip-10-0-0-15.ec2.internal

Instance type

t2.micro

VPC ID

📄

vpc-06a34acda34ecb17d (myCustomVPC) [🔗](#)

Subnet ID

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subnet-050c6cec925749d68 (Public-Custom-Subnet1) [🔗](#)

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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