

## Assignment-7

### Create your own new custom VPC

You successfully created vpc-04f2da4f5c36ba16d / my-vpc-01

VPC > Your VPCs > vpc-04f2da4f5c36ba16d

### vpc-04f2da4f5c36ba16d / my-vpc-01

**Details** Info

VPC ID vpc-04f2da4f5c36ba16d	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-08d0cb80888151da8	Main route table rtb-09d131f5ed32ccf5e	Main network ACL acl-0e0eb4b12feb27f57
Default VPC No	IPv4 CIDR 192.168.0.0/24	IPv6 pool -	IPv6 CIDR (Network border group) -
Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups -	Owner ID 714667408129	

**Resource map** Info

**VPC** Show details  
Your AWS virtual network

my-vpc-01

**Subnets (0)**  
Subnets within this VPC

**Route tables (1)**  
Route network traffic to resources

rtb-09d131f5ed32ccf5e

**Network connections (0)**  
Connections to other networks

Introducing the VPC resource map  
The new resource map helps you visualize the resources in your VPC.

### Configure your EC2 linux instance inside your custom VPC

EC2 > Instances > i-0ec05e372bcc05af9

### Instance summary for i-0ec05e372bcc05af9 (EC2-vpc)

Updated less than a minute ago

**Instance ID**  
i-0ec05e372bcc05af9 (EC2-vpc)

**IPv6 address**  
-

**Hostname type**  
IP name: ip-192-168-0-10.ec2.internal

**Answer private resource DNS name**  
IPv4 (A)

**Auto-assigned IP address**  
3.81.67.63 [Public IP]

**IAM Role**  
-

**Public IPv4 address**  
3.81.67.63 | open address

**Instance state**  
Running

**Private IP DNS name (IPv4 only)**  
ip-192-168-0-10.ec2.internal

**Instance type**  
t2.micro

**VPC ID**  
vpc-04f2da4f5c36ba16d (my-vpc-01)

**Subnet ID**  
subnet-0e2b888ce7ff7287d (subnet\_01)

**Private IPv4 addresses**  
192.168.0.10

**Public IPv4 DNS**  
-

**Elastic IP addresses**  
-

**AWS Compute Optimizer finding**  
Opt-in to AWS Compute Optimizer for recommendations. | Learn more

**Auto Scaling Group name**  
-

**Details** Security Networking Storage Status checks Monitoring Tags

**Instance details** Info

Platform Amazon Linux (Inferred)	AMI ID ami-0aa7d40eeae50c9a9	Monitoring disabled
Platform details Linux/UNIX	AMI name amzn2-ami-kernel-5.10-hvm-2.0.20230119.1-x86_64-gp2	Termination protection Disabled
Stop protection Disabled	Launch time Wed Feb 01 2023 11:47:00 GMT+0530 (India Standard Time) (6 minutes)	AMI location amazon/amzn2-ami-kernel-5.10-hvm-2.0.20230119.1-x86_64-gp2
Instance auto-recovery Default	Lifecycle normal	Stop-hibernate behavior disabled
AMI Launch index	Key pair name	State transition reason

### - Create 3 subnets of that VPC

Subnets (3/9) Info

Filter subnets

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Available IPv4 addresses	Availability Zone
subnet_02	subnet-070ee084229ec431d	Available	vpc-04f2da4f5c36ba16d   my-...	192.168.0.64/26	-	59	us-east-1
subnet_03	subnet-098e4a802773d158d	Available	vpc-04f2da4f5c36ba16d   my-...	192.168.0.128/25	-	123	us-east-1
subnet_01	subnet-0e2b888ce7ff7287d	Available	vpc-04f2da4f5c36ba16d   my-...	192.168.0.0/26	-	58	us-east-1
-	subnet-0034d0fcdcb4047e	Available	vpc-031b6ab1e3228f745	172.31.16.0/20	-	4091	us-east-1
-	subnet-0979473f3fde4460e	Available	vpc-031b6ab1e3228f745	172.31.0.0/20	-	4091	us-east-1
-	subnet-09575a640195a7ae8	Available	vpc-031b6ab1e3228f745	172.31.32.0/20	-	4090	us-east-1
-	subnet-0d240b7e210fb8d40	Available	vpc-031b6ab1e3228f745	172.31.64.0/20	-	4091	us-east-1
-	subnet-01080418f24a51ca5	Available	vpc-031b6ab1e3228f745	172.31.48.0/20	-	4091	us-east-1
-	subnet-0d8ed03ffc82fba6e	Available	vpc-031b6ab1e3228f745	172.31.80.0/20	-	4088	us-east-1

## - ***Attach an internet gateway to your custom VPC***

Internet gateways (1/2) <a href="#">Info</a>						<a href="#">Refresh</a>	<a href="#">Actions</a>	<a href="#">Create internet gateway</a>
<input type="text" value="Filter internet gateways"/>						<a href="#">&lt;</a> <a href="#">1</a> <a href="#">&gt;</a> <a href="#">⌵</a>		
<input checked="" type="checkbox"/>	Name	Internet gateway ID	State	VPC ID	Owner			
<input type="checkbox"/>	-	igw-09b7322acb11cc2af	Attached	vpc-031b6ab1e3228f745	714667408129			
<input checked="" type="checkbox"/>	internetGateway-vpc	igw-0e42a0b66b573ca4f	Attached	vpc-04f2da4f5c36ba16d   <u>my-vpc-01</u>	714667408129			

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AWS Services Search [Alt+S]
EC2 IAM VPC Elastic Beanstalk S3 CloudFormation CloudFront Simple Queue Service Simple Notification Service Kinesis Elastic Container Service Lambda DynamoDB API Gateway Athena CloudWatch CloudTrail Config AWS >

Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-192-168-0-10 ~]$
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