

Cloud Computing Foundation

Lab8 – Assignment

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Batch: CCF1

Question: Create 2 subnets one Public and one private with 16 IP's each.

1. In VPC dashboard, in 'Virtual private cloud' section on the left side of the window, click on 'Subnets'. In the subnet menu, click on 'Create subnet'.

The screenshot shows the AWS VPC console interface. On the left, the navigation pane is open, showing the 'Virtual private cloud' section with 'Subnets' selected. The main area displays the 'Subnets (1/1)' page. A table lists the subnets, with one subnet visible: 'subnet-0e0396491700485b2' in an 'Available' state, associated with VPC 'vpc-0fb4cb9853ad859f4' and having an IPv4 CIDR of '172.31.32.0/20'. Below the table, the 'Details' tab for the selected subnet is shown, displaying its Subnet ID, Subnet ARN, State (Available), IPv4 CIDR, and Availability Zone ID.

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
-	subnet-0e0396491700485b2	Available	vpc-0fb4cb9853ad859f4	172.31.32.0/20	-

subnet-0e0396491700485b2

Details

Subnet ID subnet-0e0396491700485b2	Subnet ARN arn:aws:ec2:ap-south-1:594820714358:subnet/subnet-0e0396491700485b2	State Available	IPv4 CIDR 172.31.32.0/20
Available IPv4 addresses	Availability Zone	Availability Zone ID	

- In the VPC ID, select the VPC that you created and its IPv4 CIDRs will appear below. In the Subnet settings, choose a subnet name, select an Availability zone of your choice. Type in '10.0.0.0/28' ('/28 for 16 IPs', i.e. 10.0.0.0 – 10.0.0.15) IPv4 CIDR block for the subnet.

(Optional): You can simultaneously create another VPC by clicking on 'Add new subnet'. Type in IPv4 CIDR block for the subnet different from the previous one, like '10.0.0.16/28', keeping '/28' same (for 16 IPs). Click on 'Create subnet'.

Subnets (1/2)

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
My Subnet 02	subnet-09eebeb834c49eaa5	Available	vpc-0f9c500c29e9165f9 my-...	10.0.0.16/28	-
My Subnet 01	subnet-0a981ae087c71c2e3	Available	vpc-0f9c500c29e9165f9 my-...	10.0.0.0/28	-

subnet-09eebeb834c49eaa5 / My Subnet 02

Details

Subnet ID	Subnet ARN	State	IPv4 CIDR
subnet-09eebeb834c49eaa5	arn:aws:ec2:ap-south-	Available	10.0.0.16/28