

VPC Practical-13 Sep – Sakshi Shirure

1. Create custom VPC and create three Subnet.

a. Provide vpc name and ip

The screenshot shows the 'Create VPC' page in the AWS Management Console. The 'VPC settings' section is active. Under 'Resources to create', the 'VPC only' radio button is selected. The 'Name tag - optional' field contains 'myvpc001'. Under 'IPv4 CIDR block', the 'IPv4 CIDR manual input' radio button is selected, and the 'IPv4 CIDR' field contains '10.0.0.0/16'. The 'IPv6 CIDR block' section has the 'No IPv6 CIDR block' radio button selected. The 'Tenancy' dropdown is set to 'Default'.

b. custom VPC have been created

The screenshot shows the 'Your VPCs' page in the AWS Management Console. It displays a table with two VPCs. The first VPC has the ID 'vpc-0e0a37455f6855b43' and is in an 'Available' state with an IPv4 CIDR of '172.31.0.0/16'. The second VPC has the ID 'vpc-0264f8f784e4a7532' and is also in an 'Available' state with an IPv4 CIDR of '10.0.0.0/16'.

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main
--	vpc-0e0a37455f6855b43	Available	172.31.0.0/16	--	dopt-014e4ace2c83180...	rtb-01...
myvpc001	vpc-0264f8f784e4a7532	Available	10.0.0.0/16	--	dopt-014e4ace2c83180...	rtb-01...

C. create subnet: Select vpc which is create

The screenshot shows the 'Create subnet' page in the AWS Management Console. The 'VPC' section is active, and the 'VPC ID' dropdown menu is set to 'vpc-0264f8f784e4a7532 (myvpc001)'. The 'Associated VPC CIDRs' section shows 'IPv4 CIDRs' as '10.0.0.0/16'.

d. While creating Subnet provide them Subnet-name, AZ, CIDR

The screenshot shows the AWS Management Console interface for creating a subnet. The page title is "Subnet settings" with a subtitle "Specify the CIDR blocks and Availability Zone for the subnet." The main form is for "Subnet 1 of 1". It includes fields for "Subnet name" (mysubnet001), "Availability Zone" (Asia Pacific (Mumbai) / ap-south-1a), "IPv4 VPC CIDR block" (10.0.0/16), and "IPv4 subnet CIDR block" (10.0.1.0/25, 128 IPs). There is a "Tags - optional" section with a key-value pair (Name: mysubnet001). At the bottom, there are buttons for "Add new tag", "Cancel", and "Create subnet".

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.
mysubnet001
The name can be up to 256 characters long.

Availability Zone [Info](#)
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
Asia Pacific (Mumbai) / ap-south-1a

IPv4 VPC CIDR block [Info](#)
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
10.0.0/16

IPv4 subnet CIDR block
10.0.1.0/25 128 IPs

Tags - optional

Key Value - optional
Q Name X Q mysubnet001 X Remove

Add new tag

Cancel Create subnet

e. Create second Subnet in “b” zone.

The screenshot shows the AWS Management Console interface for creating a subnet. The page title is "Subnet settings" with a subtitle "Specify the CIDR blocks and Availability Zone for the subnet." The main form is for "Subnet 1 of 1". It includes fields for "Subnet name" (mysubnet002), "Availability Zone" (Asia Pacific (Mumbai) / ap-south-1b), "IPv4 VPC CIDR block" (10.0.0/16), and "IPv4 subnet CIDR block" (10.0.2.0/26, 64 IPs). There is a "Tags - optional" section with a key-value pair (Name: mysubnet002). At the bottom, there are buttons for "Add new tag", "Remove", "Add new subnet", "Cancel", and "Create subnet".

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.
mysubnet002
The name can be up to 256 characters long.

Availability Zone [Info](#)
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
Asia Pacific (Mumbai) / ap-south-1b

IPv4 VPC CIDR block [Info](#)
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
10.0.0/16

IPv4 subnet CIDR block
10.0.2.0/26 64 IPs

Tags - optional

Key Value - optional
Q Name X Q mysubnet002 X Remove

Add new tag

You can add 49 more tags.

Remove

Add new subnet

Cancel Create subnet

f. Create third subnet in “c” zone.

Subnet 1 of 1

Subnet name
Create a tag with a key of "Name" and a value that you specify.
mysubnet003
The name can be up to 255 characters long.

Availability Zone [info](#)
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
Asia Pacific (Mumbai) / ap-south-1c

IPv4 VPC CIDR block [info](#)
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
10.0.0/16

IPv4 subnet CIDR block
10.0.3.0/24 25% 9%

Tags - optional
Key Value - optional
Name mysubnet003 Remove
Add new tag
You can add 40 more tags.
Remove
Add new subnet

Cancel Create subnet

2. Subnets are created Successfully

Subnets (6) [info](#)

Find resources by attribute or tag

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	IPv6 CIDR association ID
mysubnet001	subnet-04738ed9bd18d069	Available	vpc-0264f8f784e4a7532 myv...	10.0.1.0/25	-	-
mysubnet002	subnet-056f159def6c726a	Available	vpc-0264f8f784e4a7532 myv...	10.0.2.0/26	-	-
mysubnet003	subnet-0bd5238e54a703cd8	Available	vpc-0264f8f784e4a7532 myv...	10.0.3.0/24	-	-
-	subnet-0fbd562c6e8afe550	Available	vpc-0e0a3745596855b43	172.31.32.0/20	-	-
-	subnet-079360e4837bd09c	Available	vpc-0e0a3745596855b43	172.31.0.0/20	-	-
-	subnet-014e60724eb70aee9	Available	vpc-0e0a3745596855b43	172.31.16.0/20	-	-

Thank you