

Virtual Private Cloud

VPC stands for Virtual Private Cloud. VPC allows you to easily customize your networking configuration. VPC is a network that is logically isolated from other network in the cloud. It allows you to have your own IP address range, subnets, internet gateways, NAT gateways and security.

Task 1: VPC and Subnet creation

Problem Statement:

Working for an organization, you are required to provide them a safe and secure environment for the deployment of their resources. They might require different types of connectivity. Implement the following to fulfill the requirements of the company.

Tasks To Be Performed:

1. Create a VPC with 120.0.0.0/16 CIDR block.
2. Create 1 public subnet 2 private subnets and make sure you connect a NAT gateway for internet connectivity to a private subnet

1. Go to the aws console and select VPC option and create vpc with below option. Then give CIDR value and select availability zone.

Create only the VPC resource or the VPC and other networking resources.

☒ VPC only ☐ VPC and more

Name tag - *optional*
Creates a tag with a key of 'Name' and a value that you specify.

vpc_test

IPv4 CIDR block [Info](#)

☒ IPv4 CIDR manual input ☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

120.0.0.0/16

CIDR block size must be between /16 and /28.

2. Attach internet gateway to the VPC

Attach to VPC (igw-0776466e2f63aede3) [Info](#)

VPC

Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs

Attach the internet gateway to this VPC.

vpc-0117213f89904e388 - vpc_test

► AWS Command Line Interface command

[Cancel](#) [Attach internet gateway](#)

3. Once all the steps are completed, the connection flow within the Virtual Private Cloud (VPC) would appear as follows:

