

ASSIGNMENT 7 - DevOps

Ques 1:

Create your own new custom VPC

Your VPCs (2) [Info](#)

< 1 >

| <input type="checkbox"/> | Name | VPC ID | State | IPv4 CIDR | IPv6 CIDR |
|--------------------------|-------------|---------------------------------------|-----------|---------------|-----------|
| <input type="checkbox"/> | <u>demo</u> | vpc-07351dbcf3b728211 | Available | 10.0.0.0/16 | - |
| <input type="checkbox"/> | - | vpc-00e7e422d3cb470c9 | Available | 172.31.0.0/16 | - |

- And configure your EC2 Linux instance inside your custom VPC

Instances (1/1) [Info](#)

< 1 >

| <input checked="" type="checkbox"/> | Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone |
|-------------------------------------|----------------|-------------------------------------|----------------|---------------|--------------|--------------|-------------------|
| <input checked="" type="checkbox"/> | <u>demoEc2</u> | i-0abcc0167a7fb39ad | Running | t2.micro | - | No alarms | ap-south-1a |

Instance: i-0abcc0167a7fb39ad (demoEc2)

[Details](#) | [Security](#) | [Networking](#) | [Storage](#) | [Status checks](#) | [Monitoring](#) | [Tags](#)

▼ **Instance summary** [Info](#)

| | | |
|--|---|---|
| Instance ID i-0abcc0167a7fb39ad (demoEc2) | Public IPv4 address - | Private IPv4 addresses 10.0.0.12 |
| IPv6 address - | Instance state Running | Public IPv4 DNS - |
| Hostname type IP name: ip-10-0-0-12.ap-south-1.compute.internal | Private IP DNS name (IPv4 only) ip-10-0-0-12.ap-south-1.compute.internal | Elastic IP addresses - |
| Answer private resource DNS name IPv4 (A) | Instance type t2.micro | AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more |
| Auto-assigned IP address - | VPC ID vpc-07351dbcf3b728211 (demo) | |

- and then create 3 subnets of that VPC

| Subnets (3/6) Info | | | | | | | | Refresh | Actions | Create subnet |
|---|---------------------|--------------------------|-----------|-------------------------------------|----------------|------|--|--|-------------------------|---------------|
| <input type="text" value="Filter subnets"/> | | | | | | | | < 1 > Settings | | |
| <input type="checkbox"/> | Name | Subnet ID | State | VPC | IPv4 CIDR | IPv6 | | | | |
| <input type="checkbox"/> | - | subnet-05cf8f0eef9d5e2fa | Available | vpc-00e7e422d3cb470c9 | 172.31.32.0/20 | - | | | | |
| <input checked="" type="checkbox"/> | <u>demoSubnet-1</u> | subnet-0f250abe8cdfcb566 | Available | <u>vpc-07351dbcf3b728211 demo</u> | 10.0.0.0/24 | - | | | | |
| <input checked="" type="checkbox"/> | <u>demoSubnet-3</u> | subnet-0b9b396ccc3e1f726 | Available | <u>vpc-07351dbcf3b728211 demo</u> | 10.0.2.0/24 | - | | | | |
| <input type="checkbox"/> | - | subnet-0eeef2dcd80598384 | Available | vpc-00e7e422d3cb470c9 | 172.31.16.0/20 | - | | | | |
| <input type="checkbox"/> | - | subnet-05db885fae85b5f9f | Available | vpc-00e7e422d3cb470c9 | 172.31.0.0/20 | - | | | | |
| <input checked="" type="checkbox"/> | <u>demoSubnet-2</u> | subnet-06648f1195a0c6680 | Available | <u>vpc-07351dbcf3b728211 demo</u> | 10.0.1.0/24 | - | | | | |

- Attach an internet gateway to your custom VPC

| Internet gateways (1/2) Info | | | | | | Refresh | Actions | Create internet gateway |
|---|-----------------|-----------------------|----------|-------------------------------------|--------------|--|-------------------------|-------------------------|
| <input type="text" value="Filter internet gateways"/> | | | | | | < 1 > Settings | | |
| <input type="checkbox"/> | Name | Internet gateway ID | State | VPC ID | Owner | | | |
| <input type="checkbox"/> | - | igw-073c3d02264bd4417 | Attached | vpc-00e7e422d3cb470c9 | 698512717870 | | | |
| <input checked="" type="checkbox"/> | <u>demoGate</u> | igw-0e3b100f18410d18b | Attached | <u>vpc-07351dbcf3b728211 demo</u> | 698512717870 | | | |

igw-0e3b100f18410d18b / demoGate

Details

Tags

Details

Internet gateway ID

igw-0e3b100f18410d18b

State

Attached

VPC ID

vpc-07351dbcf3b728211 | demo

Owner

698512717870