Cloud Computing

Lab7 – Assignment
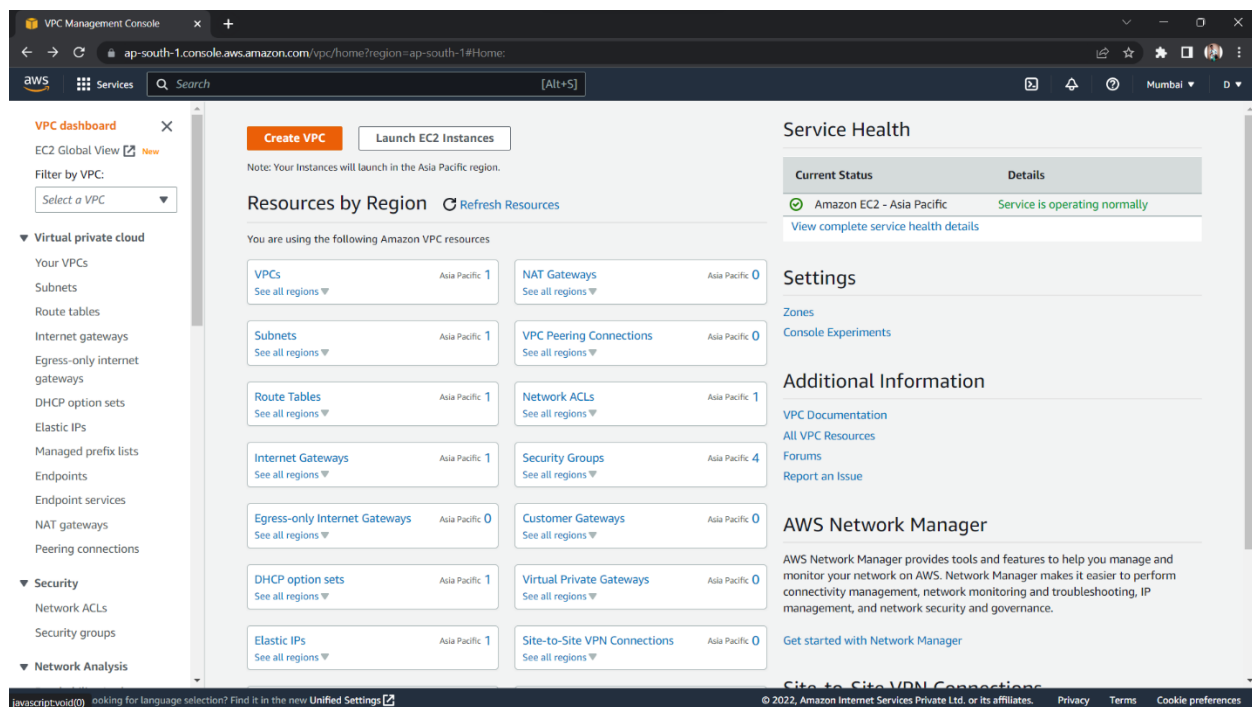
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Roll No.: - 310

Batch: CCF1

Question: Create VPC for 64 IP's.

1. Click on 'Create VPC' in the VPC dashboard.

2. Select 'VPC only' and choose a VPC name. Select 'IPv4 CIDR manual input'. Type in IPv4 CIDR '10.0.0.0/26' ('/26' for 64 IPs), then click 'Create VPC'. Your VPC should be created

Create VPC Info

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.

VPC settings

Resources to create Info
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.

```
my-vpc-lab7
```

IPv4 CIDR block Info
- ● IPv4 CIDR manual input
- ○ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

```
10.0.0.0/26
```

IPv6 CIDR block Info
- ● No IPv6 CIDR block
- ○ IPAM-allocated IPv6 CIDR block
- ○ Amazon-provided IPv6 CIDR block
- ○ IPv6 CIDR owned by me

Tenancy Info

```
Default                                        ▼
```

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - *optional*	
🔍 Name ✕	🔍 my-vpc-lab7 ✕	Remove

Add new tag

You can add 49 more tags.

Cancel   **Create VPC**

VPC Management Console   ×   +

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#VpcDetails:VpcId=vpc-0f9c500c29e9165f9

aws   Services   🔍 Search   [Alt+S]   Mumbai ▼   D ▼

VPC dashboard ✕
EC2 Global View ↗ New

Filter by VPC:
Select a VPC ▼

▼ **Virtual private cloud**
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections

▼ **Security**
Network ACLs
Security groups

▼ **Network Analysis**

⊘ You successfully created vpc-0f9c500c29e9165f9 / my-vpc-lab7   ✕

VPC > Your VPCs > vpc-0f9c500c29e9165f9

vpc-0f9c500c29e9165f9 / my-vpc-lab7   Actions ▼

Details Info

VPC ID	**State**	**DNS hostnames**	**DNS resolution**
⧉ vpc-0f9c500c29e9165f9	⊘ Available	Disabled	Enabled
Tenancy	**DHCP option set**	**Main route table**	**Main network ACL**
Default	dopt-0450cdc6a8589b8fc	rtb-0e8071ab73d4334e7	acl-0df52f595c4ea7a31
Default VPC	**IPv4 CIDR**	**IPv6 pool**	**IPv6 CIDR (Network border group)**
No	10.0.0.0/26	–	–
Network Address Usage metrics	**Route 53 Resolver DNS Firewall rule groups**	**Owner ID**	
Disabled	–	⧉ 594820714358	

CIDRs   Flow logs   Tags

CIDRs Info

Address type	▲	CIDR	Network Border Group	Pool	Status

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