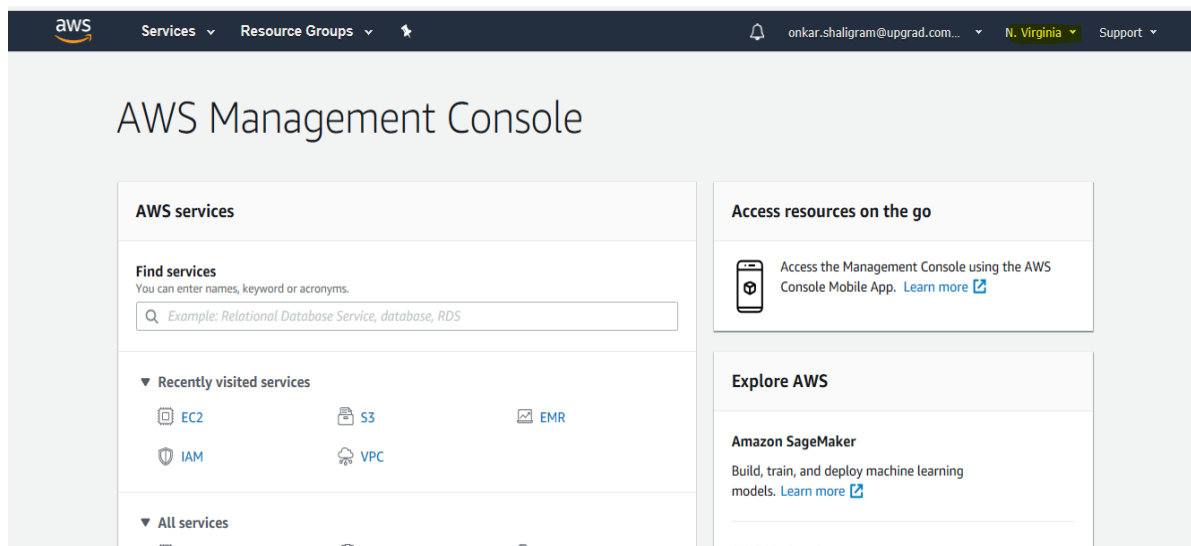
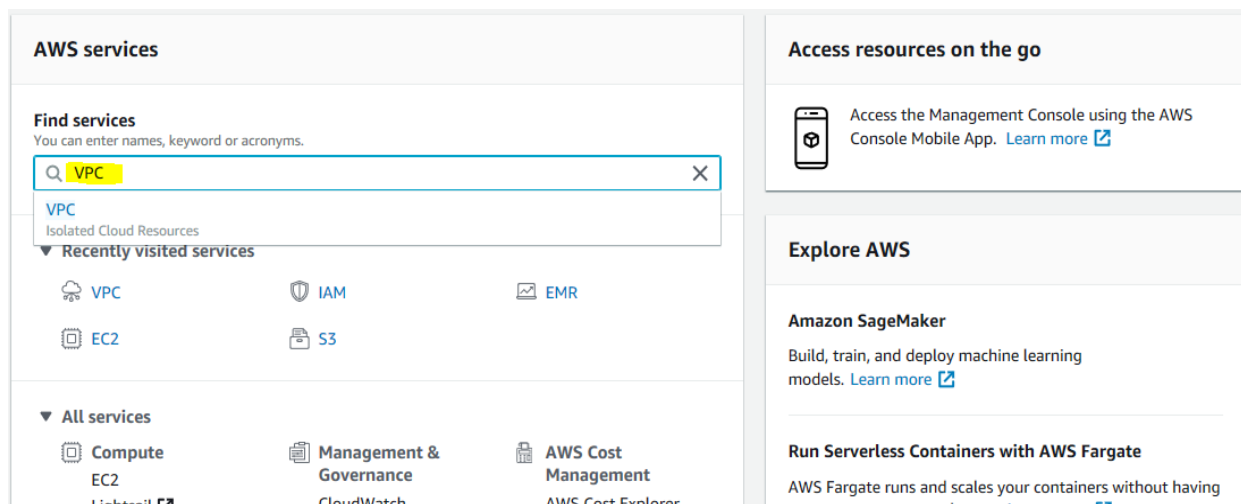


Creating a VPC for AWS Services

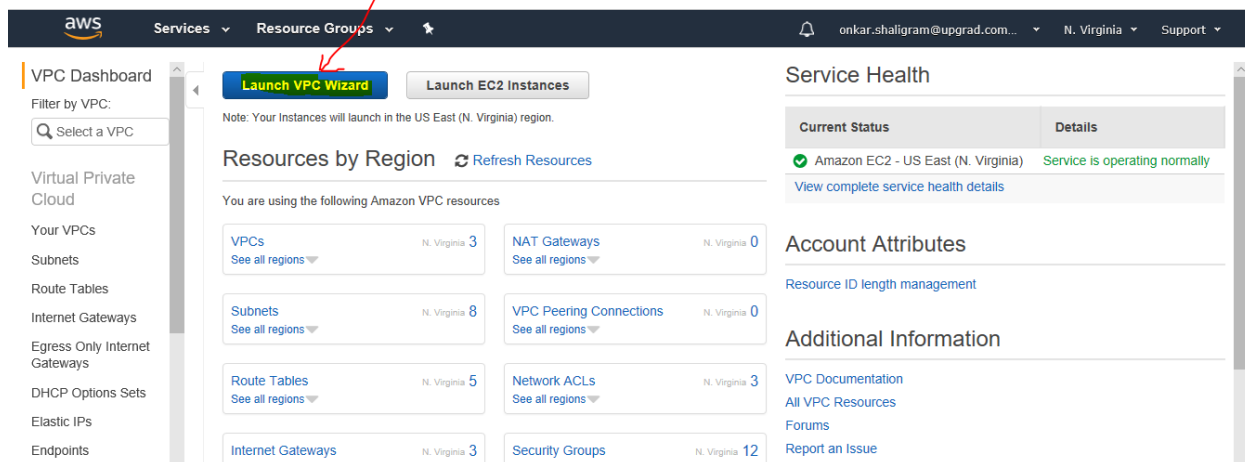
1. Login to your AWS account
2. You will see AWS Console Home, which will look like the following image:
(Set the Region to **N.Virginia**)



3. In the **search** tab section, type “**VPC**”. Click on enter.



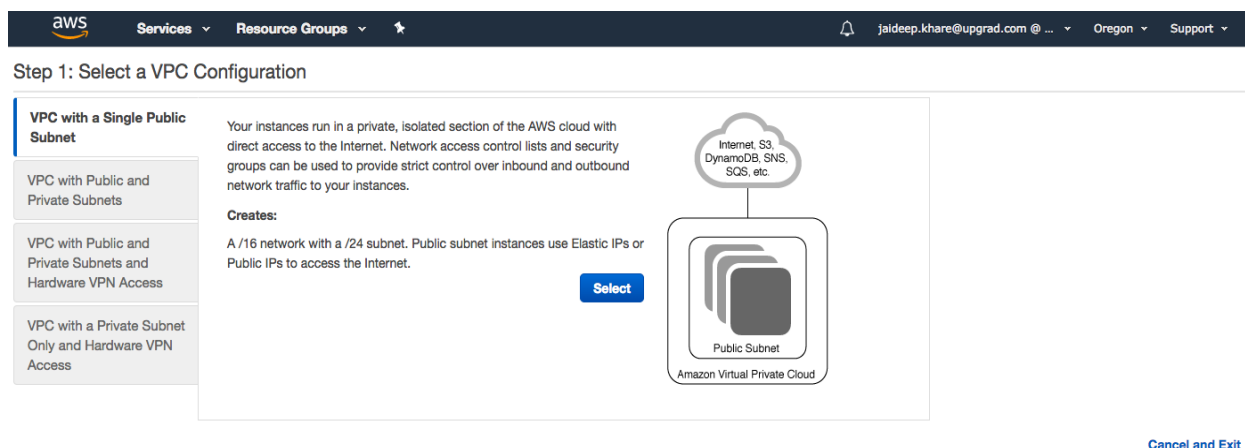
4. Now the VPC dashboard opens. Click on “Launch VPC Wizard”



The screenshot shows the AWS VPC Dashboard. The 'Launch VPC Wizard' button is highlighted with a red arrow. The dashboard displays various VPC resources by region (N. Virginia) and service health.

Resource	Count
VPCs	3
NAT Gateways	0
Subnets	8
VPC Peering Connections	0
Route Tables	5
Network ACLs	3
Internet Gateways	3
Security Groups	12

5. Click on “Select”.



The screenshot shows the AWS VPC Wizard Step 1: Select a VPC Configuration. The 'VPC with a Single Public Subnet' option is selected, and the 'Select' button is highlighted.

VPC with a Single Public Subnet

Your instances run in a private, isolated section of the AWS cloud with direct access to the Internet. Network access control lists and security groups can be used to provide strict control over inbound and outbound network traffic to your instances.

Creates:

A /16 network with a /24 subnet. Public subnet instances use Elastic IPs or Public IPs to access the Internet.

Select

Cancel and Exit

6. Give the “VPC Name” as “my_vpc” and keep all other settings unchanged.

aws Services Resource Groups

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Step 2: VPC with a Single Public Subnet

IPv4 CIDR block:* (65531 IP addresses available)

IPv6 CIDR block: ☒ No IPv6 CIDR Block
☐ Amazon provided IPv6 CIDR block

VPC name:

Public subnet's IPv4 CIDR:* (251 IP addresses available)

Availability Zone:*

Subnet name:

You can add more subnets after AWS creates the VPC.

Service endpoints

Enable DNS hostnames:* ☒ Yes ☐ No

Hardware tenancy:*

7. Click on “Create VPC” button and your VPC will be created, now click on **ok**.

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VPC Successfully Created

Your VPC has been successfully created.
 You can launch instances into the subnets of your VPC. For more information, see [Launching an Instance into Your Subnet](#).

VPC Dashboard
 Filter by VPC:

Virtual Private Cloud
 Your VPCs
 Subnets
 Route Tables
 Internet Gateways
 Egress Only Internet Gateways
 DHCP Options Sets

8. VPC is created successfully.

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VPC Dashboard

Filter by VPC:

Filter by tags and attributes or search by keyword

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP options set	Main Route table
my_vpc	vpc-011bb9841b301af11	available	10.0.0.0/16	-	dopt-d8e012a3	rtb-0f8b694223d6853a0
	vpc-e6efb39d	available	172.31.0....	-	dopt-d8e012a3	rtb-474a4d3b

Virtual Private Cloud
 Your VPCs
 Subnets
 Route Tables
 Internet Gateways
 Egress Only Internet