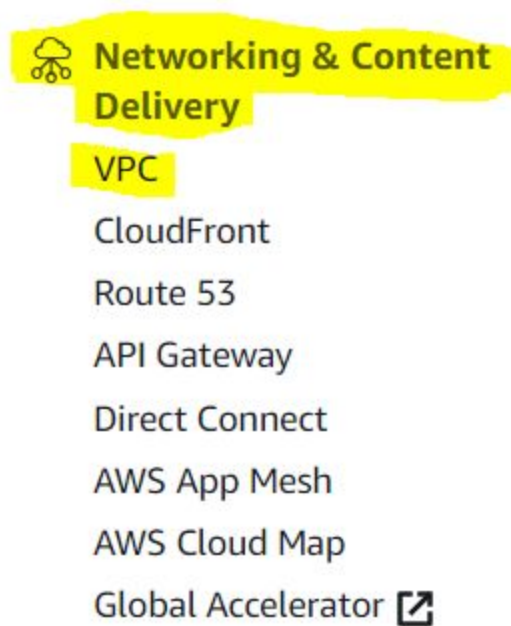


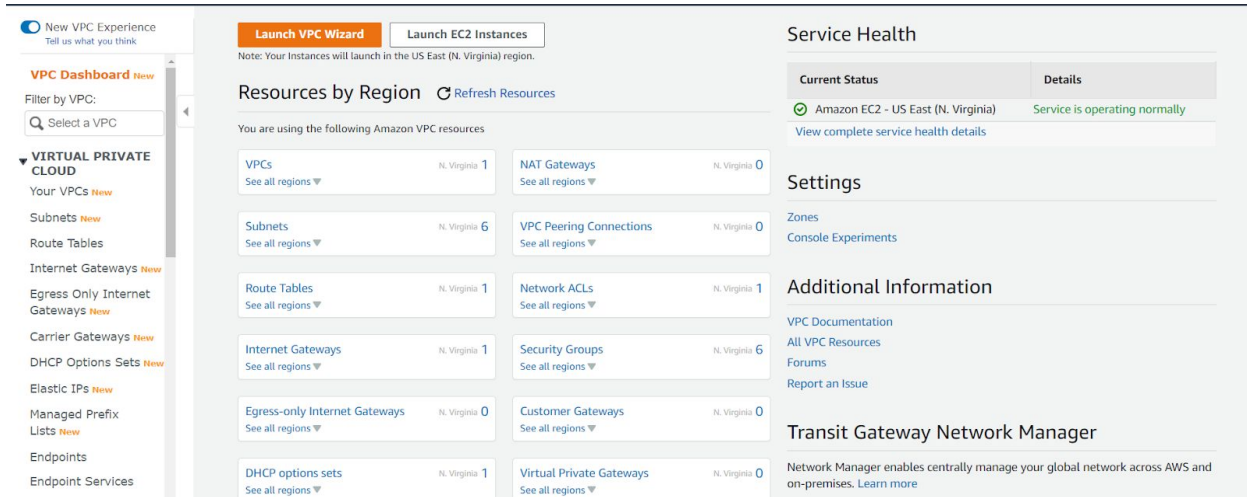
Creating a Virtual Private Cloud (VPC)

This document will provide you with a step-by-step guide on how to create a VPC.

1. To create a new VPC, you need to go to the AWS Management Console page. Once you are on this page, you need to scroll down to **Networking & Content Delivery** section. Here you need to click on **VPC** as shown in the image below.

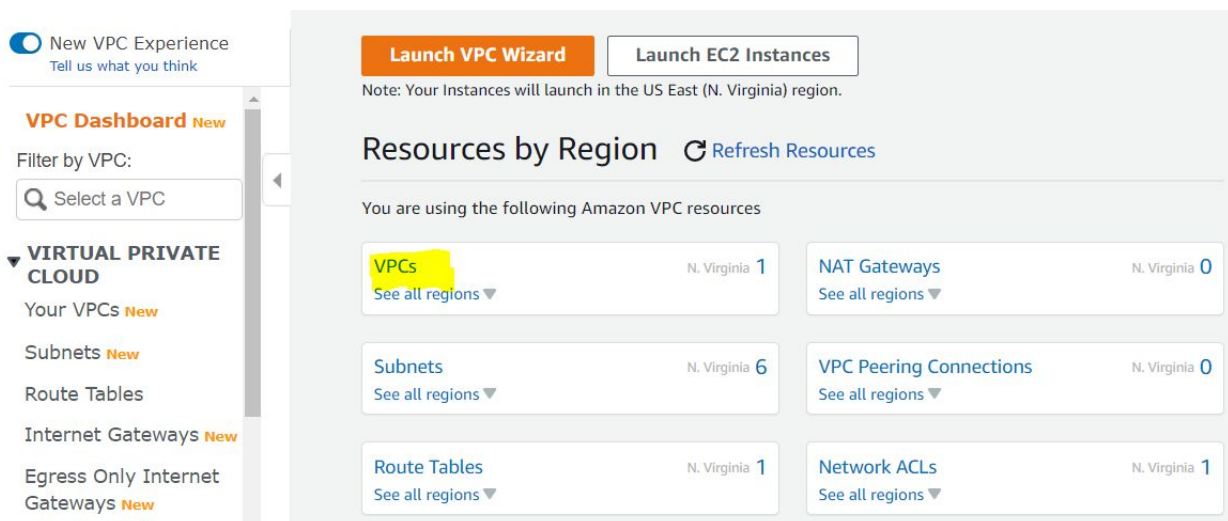


2. Once you click on **VPC**, you will be redirected to a new page as shown below.



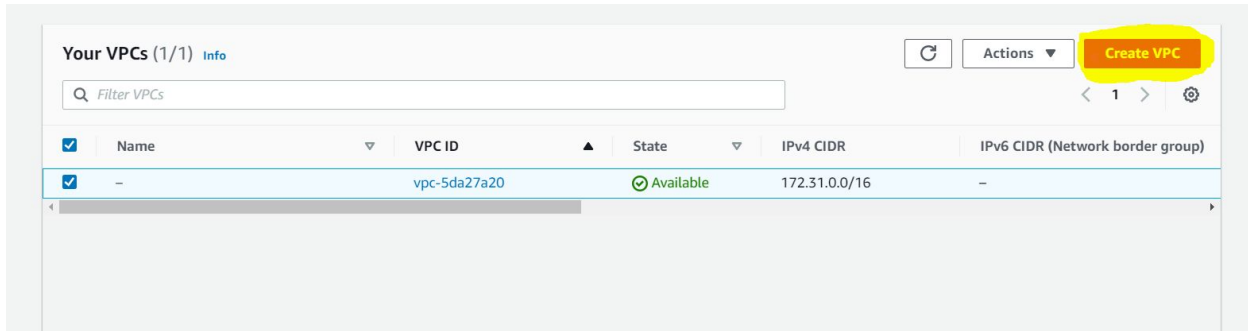
The screenshot shows the AWS VPC Dashboard. On the left, there is a navigation menu with options like 'VPC Dashboard', 'Subnets', 'Route Tables', 'Internet Gateways', 'Egress Only Internet Gateways', 'Carrier Gateways', 'DHCP Options Sets', 'Elastic IPs', 'Managed Prefix Lists', 'Endpoints', and 'Endpoint Services'. The main content area is titled 'Resources by Region' and shows a list of VPC resources for the 'N. Virginia' region. The resources include VPCs (1), NAT Gateways (0), Subnets (6), VPC Peering Connections (0), Route Tables (1), Network ACLs (1), Internet Gateways (1), Security Groups (6), Egress-only Internet Gateways (0), Customer Gateways (0), DHCP options sets (1), and Virtual Private Gateways (0). On the right, there is a 'Service Health' section showing the status of Amazon EC2 - US East (N. Virginia) as 'Service is operating normally'. Below that, there are sections for 'Settings' (Zones, Console Experiments) and 'Additional Information' (VPC Documentation, All VPC Resources, Forums, Report an Issue). At the bottom right, there is a 'Transit Gateway Network Manager' section.

3. To create a new VPC, click on the **VPCs** tab as shown below.



This screenshot is similar to the previous one, but the 'VPCs' tab in the 'Resources by Region' section is highlighted with a yellow box. The navigation menu on the left is also visible, showing the same options as before.

4. A new page will appear. This page will list all the VPCs associated with the AWS account. A default VPC comes with every new AWS account. To create a new VPC you need to click on **Create VPC** as shown below.



5. A new page will appear where you need to specify the details for the VPC. In the **Name tag** field enter the name of the VPC. In the **IPv4 CIDR block** field enter the value as **10.0.0.0/24**. Make sure that your page looks like as shown below.

VPC settings

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

IPv4 CIDR block [Info](#)

IPv6 CIDR block [Info](#)

☒ No IPv6 CIDR block

☐ Amazon-provided IPv6 CIDR block

☐ IPv6 CIDR owned by me

Tenancy [Info](#)

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 - <i>optional</i>	
<input type="text" value="Name"/>	<input type="text" value="upgrad-vpc"/>	<input type="button" value="Remove"/>

6. Once the correct values are entered, scroll down to the bottom of the page and click on the **Create VPC** button as shown below.

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	
<input type="text" value="Name"/>	<input type="text" value="upgrad-vpc"/>	<input type="button" value="Remove"/>
<input type="button" value="Add new tag"/>		

You can add 49 more tags.

- Once you click on the **Create VPC** button, you will be redirected to a new page and your VPC will be successfully created. It will also show you the details of the VPC that you specified while creating it.

New VPC Experience

Tell us what you think

You successfully created vpc-05b8047bfaa5eed52 / upgrad-vpc

VPC Dashboard New

Filter by VPC:

VIRTUAL PRIVATE CLOUD

Your VPCs New

Subnets New

Route Tables

Internet Gateways New

Egress Only Internet Gateways New

Carrier Gateways New

DHCP Options Sets New

Elastic IPs New

Managed Prefix Lists New

VPC > Your VPCs > vpc-05b8047bfaa5eed52

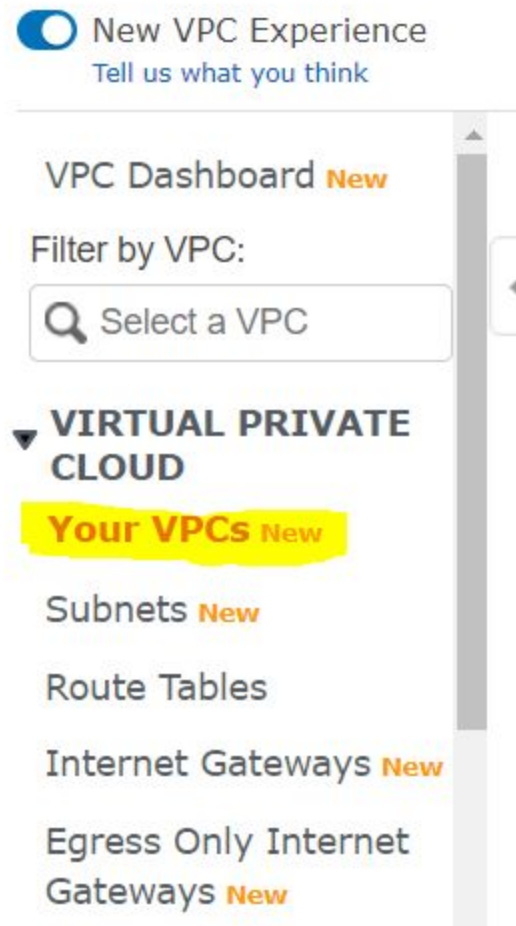
vpc-05b8047bfaa5eed52 / upgrad-vpc

Actions

Details info

<div>VPC ID</div> <div>vpc-05b8047bfaa5eed52</div> <div>Tenancy</div> <div>Default</div> <div>Default VPC</div> <div>No</div> <div>Owner ID</div> <div>360448222316</div>	<div>State</div> <div>Available</div> <div>DHCP options set</div> <div>dopt-d21b5ea8</div> <div>IPv4 CIDR</div> <div>10.0.0.0/24</div>	<div>DNS hostnames</div> <div>Disabled</div> <div>Route table</div> <div>rtb-0dcd62bc9c4cf5585</div> <div>IPv6 pool</div> <div>-</div>	<div>DNS resolution</div> <div>Enabled</div> <div>Network ACL</div> <div>acl-0c348378a91d3a83a</div> <div>IPv6 CIDR (Network border group)</div> <div>-</div>
---	--	--	---

- With this, you have successfully created a new VPC. To view the VPCs associated with your AWS account, click on the **Your VPCs** option from the left hand side panel as shown below.



9. You will be redirected to the VPCs home page, where you can see that the VPC with the name that you specified earlier has been created.

Your VPCs (2) Info							Refresh	Actions	Create VPC
<input type="text" value="Filter VPCs"/>							1		
<input type="checkbox"/>	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR (Network border group)				
<input checked="" type="checkbox"/>	upgrad-vpc	vpc-05b8047bfaa5eed52	Available	10.0.0.0/24	-				
<input type="checkbox"/>	-	vpc-5da27a20	Available	172.31.0.0/16	-				

So this document provided you a step-by-step guide on how to create a new VPC and how to view the VPCs associated with your AWS account.