

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateVpc

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VPC > Your VPCs > Create VPC

### Create VPC Info

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

#### VPC settings

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

VPC-test

IPv4 CIDR block Info

40.0.0.0/16

IPv6 CIDR block Info

☒ No IPv6 CIDR block

☐ Amazon-provided IPv6 CIDR block

☐ IPv6 CIDR owned by me

Tenancy Info

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ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#VpcDetails:VpcId=vpc-0a06cc13547966da0

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New VPC Experience  
Tell us what you think

VPC Dashboard

Filter by VPC:  
Select a VPC

**VIRTUAL PRIVATE CLOUD**

**Your VPCs**

Subnets

Route Tables New

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Managed Prefix Lists

Endpoints

Endpoint Services New

**You successfully created vpc-0a06cc13547966da0 / VPC-test**

### vpc-0a06cc13547966da0 / VPC-test

Actions

#### Details Info

VPC ID	State	DNS hostnames	DNS resolution
vpc-0a06cc13547966da0	Available	Disabled	Enabled
Tenancy	DHCP options set	Main route table	Main network ACL
Default	dopt-31a71a5a	rtb-0ca8e0afea5b5fdea	acl-0b16aa1d078eb51a9
Default VPC	IPv4 CIDR	IPv6 pool	IPv6 CIDR
No	40.0.0.0/16	-	-
Route 53 Resolver DNS Firewall rule groups	Owner ID		
-	121360309616		

CIDRs Flow logs Tags

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for the gateway below.

### Internet gateway settings

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

**Tags - optional**  
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="test-gateway"/>	<input type="button" value="Remove"/>

You can add 49 more tags.

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ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#InternetGateway:internetGatewayId=igw-0f377a1a9fdceef96

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Filter by VPC: Select a VPC

**VIRTUAL PRIVATE CLOUD**

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Route Tables **New**

**Internet Gateways**

Egress Only Internet Gateways

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Endpoint Services **New**

**The following internet gateway was created: igw-0f377a1a9fdceef96. You can now attach to a VPC to enable the VPC to communicate with the internet.**

VPC > Internet gateways > igw-0f377a1a9fdceef96

## igw-0f377a1a9fdceef96 / test-gateway

Actions

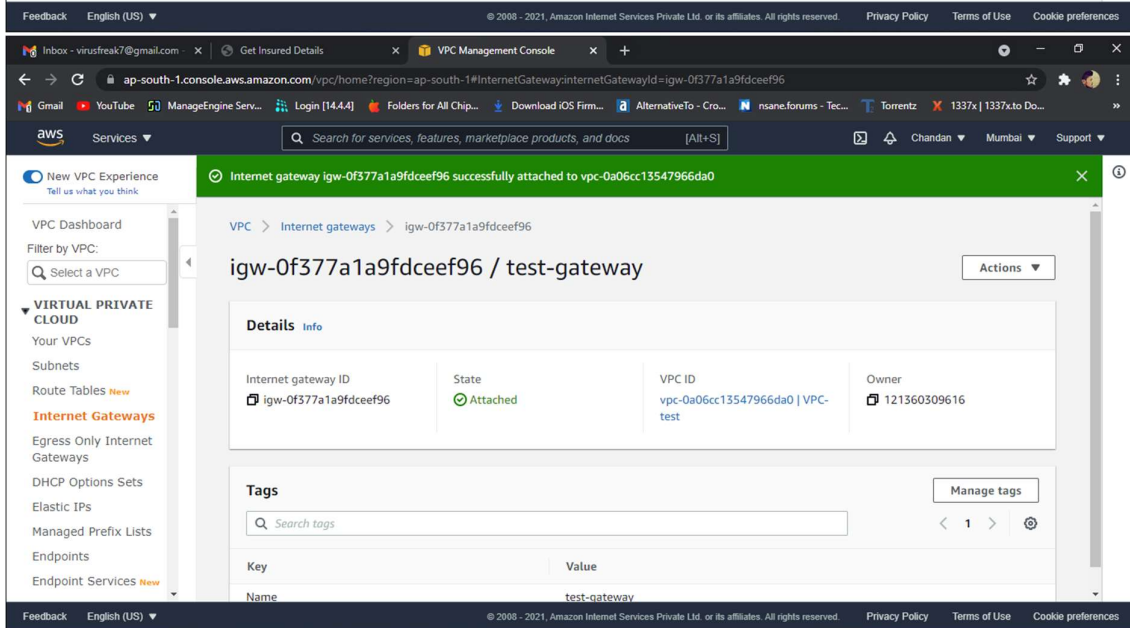
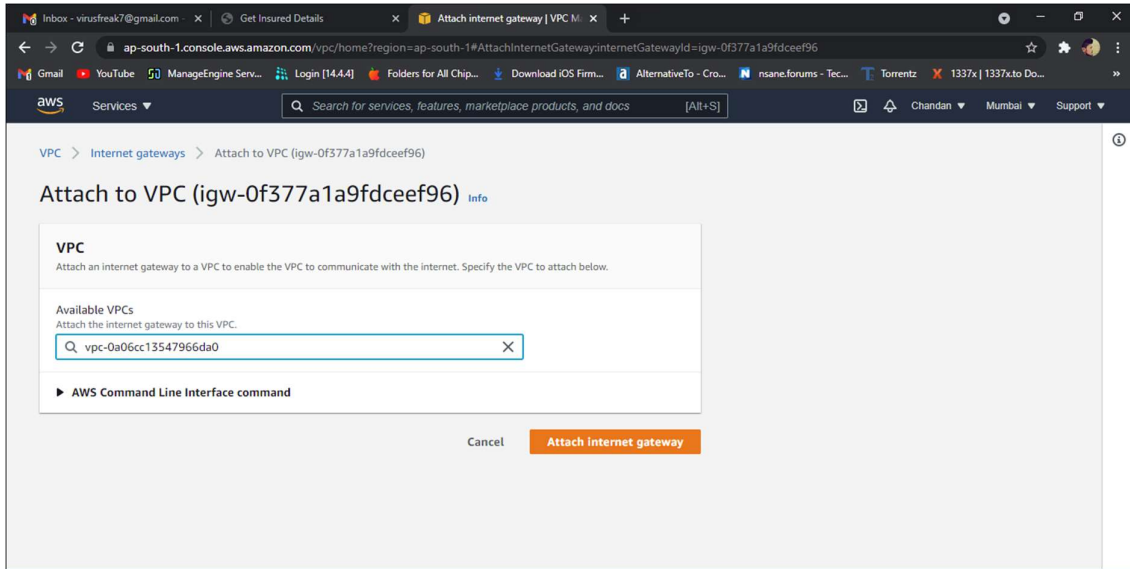
**Details** Info

Internet gateway ID	State	VPC ID	Owner
igw-0f377a1a9fdceef96	Detached	-	121360309616

**Tags**

Key	Value
Name	test-gateway

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connection.

### Route table settings

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

test-route-table

VPC  
The VPC to use for this route table.

vpc-0a06cc13547966da0 (VPC-test)

### 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

Q Name X Q test-route-table X Remove

Add new tag

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ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-0f34b91254ac50596

Route table rtb-0f34b91254ac50596 | test-route-table was created successfully.

VPC > Route tables > rtb-0f34b91254ac50596

## rtb-0f34b91254ac50596 / test-route-table

You can now check network connectivity with Reachability Analyzer [Run Reachability Analyzer](#)

### Details Info

Route table ID rtb-0f34b91254ac50596	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-0a06cc13547966da0   VPC-test	Owner ID 121360309616		

aws VPC Management Console

Route table rtb-0f34b91254ac50596 | test-route-table was created successfully.

Set main route table

Main route table controls the routing for all subnets that are not explicitly associated with any other route table. Are you sure you want to set this route table as the main route table?

- rtb-0f34b91254ac50596 / test-route-table

To confirm setting, type set in the field.

set

Cancel OK

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You successfully set the route table rtb-0f34b91254ac50596 / test-route-table as main.

rtb-0f34b91254ac50596 / test-route-table

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-0f34b91254ac50596	Yes	-	-
VPC	Owner ID		
vpc-0a06cc13547966da0   VPC-test	121360309616		

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ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateSubnet

VPC ID  
Create subnets in this VPC.  
vpc-0a06cc13547966da0 (VPC-test)

Associated VPC CIDRs  
IPv4 CIDRs  
40.0.0.0/16

Subnet settings  
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name  
Create a tag with a key of 'Name' and a value that you specify.  
test-subnet  
The name can be up to 256 characters long.

Availability Zone [Info](#)  
Choose the zone in which your subnet will reside, or let Amazon choose one for you.  
No preference

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ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#subnets:SubnetId=subnet-0424f52c55445a09c

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Internet Gateways  
Egress Only Internet Gateways  
DHCP Options Sets  
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Managed Prefix Lists  
Endpoints  
Endpoint Services [New](#)

You have successfully created 1 subnet: subnet-0424f52c55445a09c

Subnets (1) Info [Actions](#) [Create subnet](#)

Filter subnets  
Subnet ID: subnet-0424f52c55445a09c Clear filters

	Name	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/>	test-subnet	subnet-0424f52c55445a09c	Available	vpc-0a06cc13547966da0   VP...	40.0.0.0/24

Select a subnet

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ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#subnets:SubnetId=subnet-0424f52c55445a09c

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New VPC Experience Tell us what you think

You have successfully modified auto-assign IP settings.  
• Public IPv4 address

Subnets (1/1) Info

Filter subnets

Subnet ID: subnet-0424f52c55445a09c Clear filters

Name	Subnet ID	State	VPC	IPv4 CIDR
subnet-0424f52c55445a09c / test-subnet				
<a href="#">Details</a> <a href="#">Flow logs</a> <a href="#">Route table</a> <a href="#">Network ACL</a> <a href="#">CIDR reservations</a> <a href="#">Sharing</a> <a href="#">Tags</a>				

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ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:

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1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances 1 Launch into Auto Scaling Group

Purchasing option ☐ Request Spot Instances

Network vpc-0a06cc13547966da0 | VPC-test Create new VPC

Subnet subnet-0424f52c55445a09c | test-subnet | ap-south-1 251 IP Addresses available Create new subnet

Auto-assign Public IP Use subnet setting (Enable)

Placement group ☐ Add instance to placement group

Capacity Reservation Open

Domain join directory No directory Create new directory

Cancel Previous Review and Launch Next: Add Storage

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