



ASSIGNMENT - 2

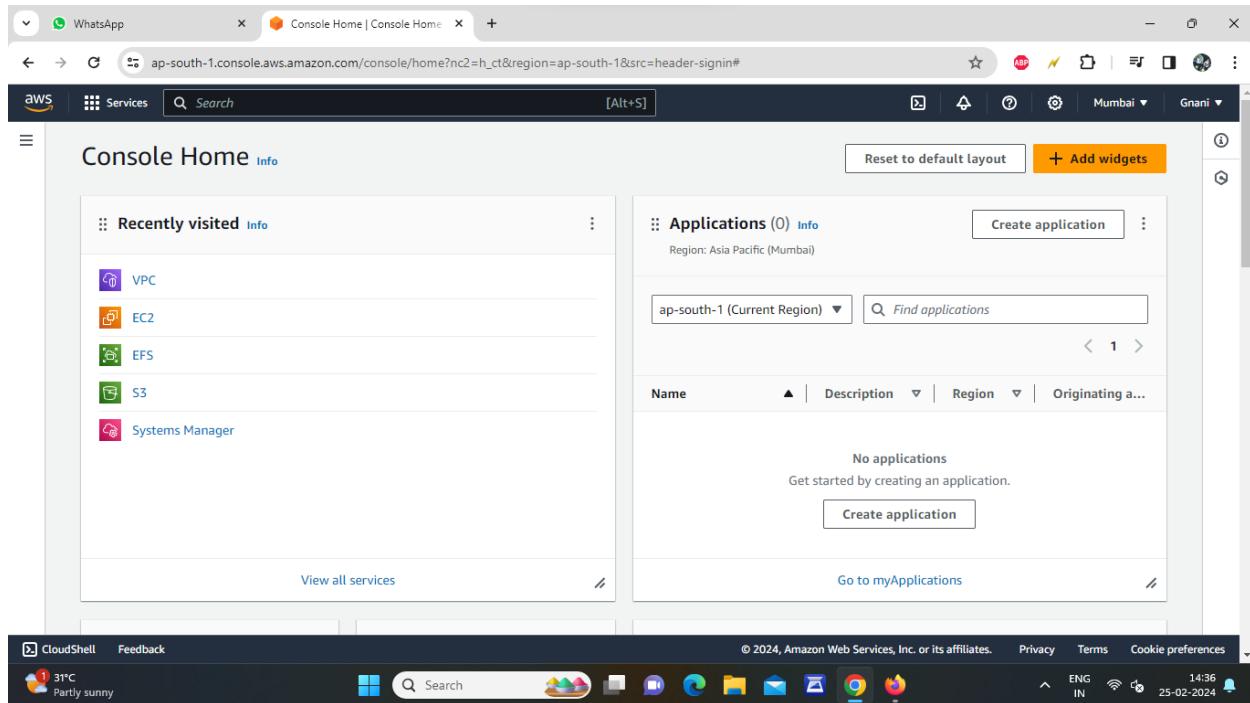
COURSE : DEVOPS

Trainer : Mr . MADHUKAR

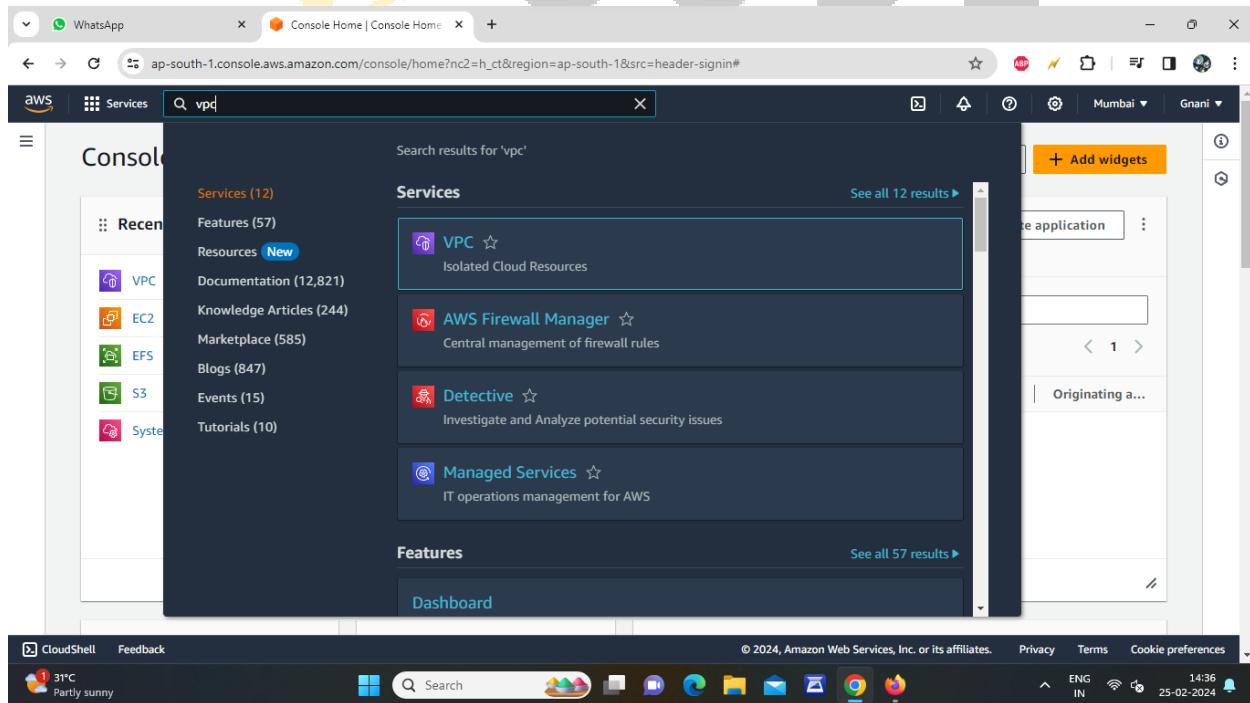


Q) Create transi gateway in two different account ?

- First Go to Amazon Console Home



- Search for VPC and Click on VPC



- VPC Home Page and Click on create VPC

The screenshot shows the AWS VPC Home page. On the left, there's a sidebar with options like 'Your VPCs', 'Subnets', 'Route tables', etc. The main area displays 'Resources by Region' with counts for VPCs (1), Subnets (3), Route Tables (1), Internet Gateways (1), and Security Groups (17). A prominent yellow 'Create VPC' button is located at the top center. The top navigation bar shows the URL 'ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#Home:'.

- Enter VPC Name and enter ipv4 CIDR Address then Click on Create VPC

The screenshot shows the 'Create VPC' configuration page. Under 'VPC settings', there are two radio buttons: 'VPC only' (selected) and 'VPC and more'. Below this is a 'Name tag - optional' field containing 'my-vpc-1'. Under 'IPv4 CIDR block', there are three options: 'IPv4 CIDR manual input' (selected), 'IPAM-allocated IPv4 CIDR block', and 'IPv4 CIDR'. The 'IPv4 CIDR' field contains '25.0.0.0/16'. The bottom of the page includes a note: 'CIDR block size must be between /16 and /28.' The top navigation bar shows the URL 'ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#createVpc:createMode=vpcOnly'.

WhatsApp CreateVpc | VPC Console

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateVpc:createMode=vpcOnly

Services Search [Alt+S]

25.0.0.0/16 CIDR block size must be between /16 and /28.

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-1 Remove tag

Add tag

You can add 49 more tags

Create VPC

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WhatsApp VpcDetails | VPC Console

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#VpcDetails:VpcId=vpc-06c8f11ce1adf43bd

VPC dashboard EC2 Global View 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

You successfully created vpc-06c8f11ce1adf43bd / my-vpc-1

vpc-06c8f11ce1adf43bd / my-vpc-1 Actions

Details Info

VPC ID	State	DNS hostnames	DNS resolution
vpc-06c8f11ce1adf43bd	Available	Disabled	Enabled
Tenancy	DHCP option set	Main route table	Main network ACL
Default	dopt-0422779b533f3854f	rtb-094995a6eee43e29a	acl-0fd1d2025236e6f01
Default VPC	IPv4 CIDR	IPv6 pool	IPv6 CIDR (Network border group)
No	25.0.0.0/16	-	-
Network Address Usage metrics	Route 53 Resolver DNS Firewall rule groups	Owner ID	
Disabled	-	339712715437	

Resource map CIDs Flow logs Tags Integrations

Resource map Info

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#subnets:

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- Go to Subnets and Click on create subnet

The screenshot shows the AWS VPC Subnets console. On the left, there's a navigation pane with options like VPC dashboard, EC2 Global View, Filter by VPC, Virtual private cloud, Your VPCs, and Subnets (which is selected). The main area displays a table of subnets:

Name	Subnet ID	State	VPC	IPv4 CIDR
-	subnet-0c86bc5980cf503c9	Available	vpc-03711f9d8b15e8db7	172.31.
-	subnet-0c8d4caadcb05f74	Available	vpc-03711f9d8b15e8db7	172.31.
-	subnet-020da50ad2a974a82	Available	vpc-03711f9d8b15e8db7	172.31.

At the bottom, there's a section labeled "Select a subnet" with a dropdown menu. The footer includes standard AWS links and a weather widget.

- Now select our Created VPC
- Enter subnet name and enter subnet ipv4 CIDR block then Click on Create Subnet

The screenshot shows the "Create subnet" wizard, step 1: VPC. The "VPC" section contains:

- VPC ID: vpc-06c8f11ce1adf43bd (my-vpc-1)
- Associated VPC CIDRs: 25.0.0.0/16

The "Subnet settings" section below it says: "Specify the CIDR blocks and Availability Zone for the subnet." A "Subnet 1 of 1" section is partially visible at the bottom.

WhatsApp CreateSubnet | VPC Console

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

AWS Services Search [Alt+S]

Mumbai Grani

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.
 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.

IPv4 VPC CIDR block [Info](#)
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.

IPv4 subnet CIDR block
 256 IPs
< > ^ v

Tags - optional

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WhatsApp CreateSubnet | VPC Console

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

AWS Services Search [Alt+S]

Mumbai Grani

Subnet settings

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

IPv4 VPC CIDR block [Info](#)
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.

IPv4 subnet CIDR block
 256 IPs
< > ^ v

Tags - optional

Key Value - optional
 Remove

Add new tag You can add 49 more tags.

Remove Add new subnet

Cancel **Create subnet**

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- After creating subnets then go to internet gateways
- Click on Create internet gateway
- Enter internet gateway name then click on create internet gateway

The screenshot shows two browser windows side-by-side. The left window displays the 'Internet gateways' page in the AWS VPC Console, listing one gateway named 'igw-05fce84ca2bcee82e' with a state of 'Detached'. The right window shows the 'Create internet gateway' wizard.

Internet gateways (1) Info

Name	Internet gateway ID	State	VPC ID
-	igw-05fce84ca2bcee82e	Detached	-

Select an internet gateway above

Create internet gateway

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name 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="my-igw-1"/>

Create internet gateway

- After Creating internet gateway go to actions and click on attach to VPC then select VPC and click on Attach internet gateway

VPC > Internet gateways > igw-0baf75bb5161a9420 / my-igw-1

Details

Internet gateway ID igw-0baf75bb5161a9420	State Detached	VPC ID -	Owner 339712715437
--	-------------------	-------------	-----------------------

Tags

Search tags	
Key	Value
Name	my-igw-1

Actions

VPC > Internet gateways > igw-0baf75bb5161a9420 / my-igw-1

Details

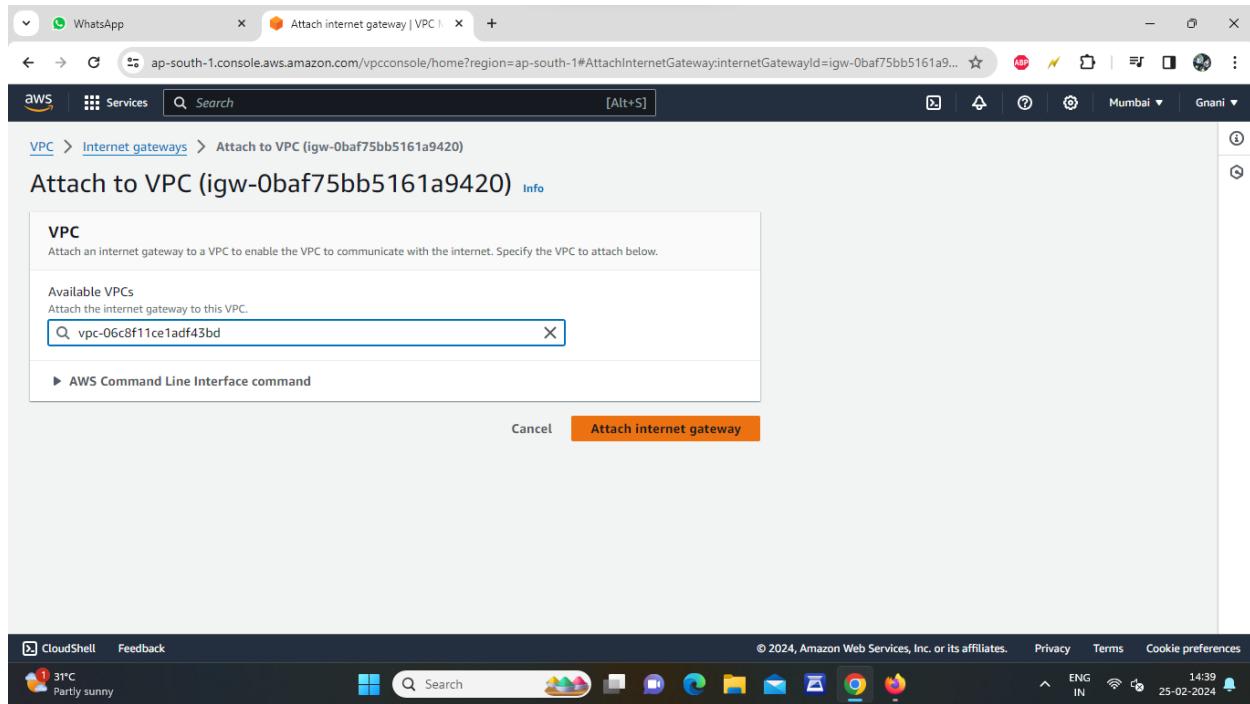
Internet gateway ID igw-0baf75bb5161a9420	State Detached	VPC ID -	Owner 339712715437
--	-------------------	-------------	-----------------------

Tags

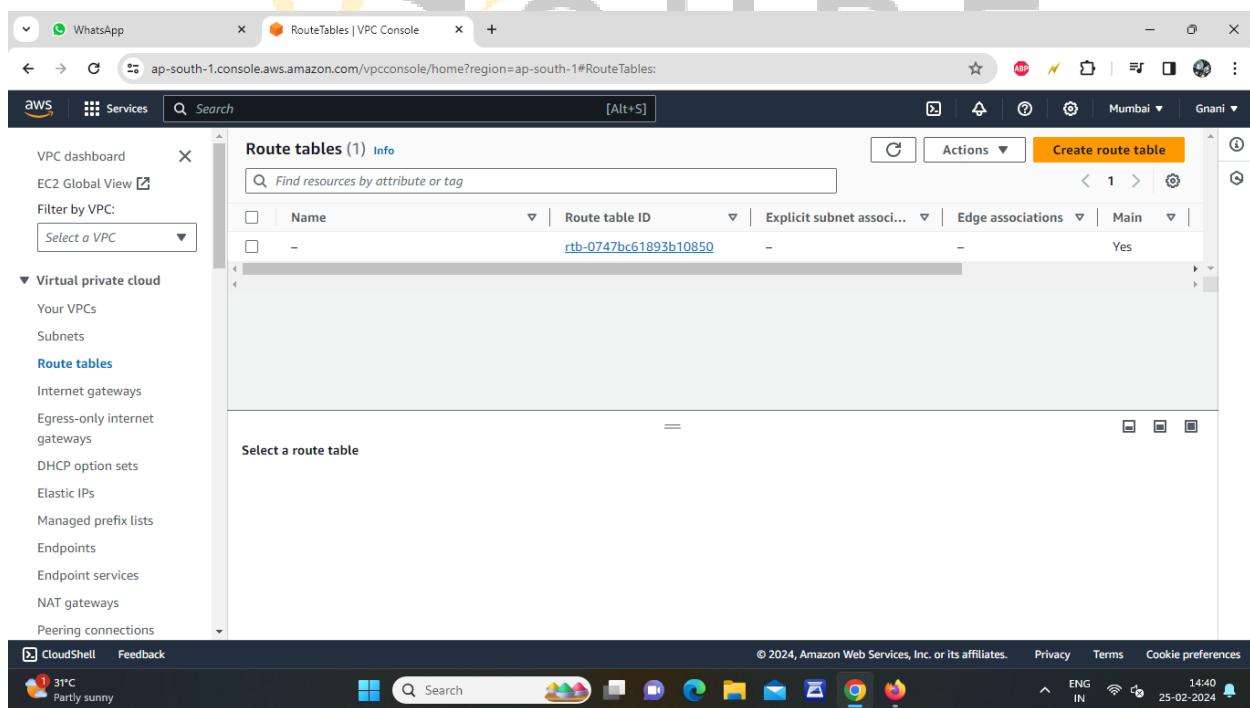
Search tags	
Key	Value
Name	my-igw-1

Actions

- Attach to VPC
- Detach from VPC
- Manage tags
- Delete



- After Attaching internet gateway then go to route tables
- Click on route table and enter route table name and select VPC then click on create route table



WhatsApp CreateRouteTable | VPC Console

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateRouteTable:

AWS Services Search [Alt+S]

Mumbai Grani

Route table settings

Name - optional
Create a tag with a key of 'Name' and a value that you specify.
my-rt-1

VPC
The VPC to use for this route table.
vpc-06c8f11ce1adf43bd (my-vpc-1)

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-rt-1 Remove

Add new tag

You can add 49 more tags.

Create route table

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WhatsApp RouteTableDetails | VPC Console

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-05832c705a07edf68

AWS Services Search [Alt+S]

Mumbai Grani

Route table rtb-05832c705a07edf68 | my-rt-1 was created successfully.

VPC > Route tables > rtb-05832c705a07edf68

rtb-05832c705a07edf68 / my-rt-1 Actions

Details Info

Route table ID rtb-05832c705a07edf68	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-06c8f11ce1adf43bd my-vpc-1	Owner ID 339712715437		

Routes Subnet associations Edge associations Route propagation Tags

Both Edit routes

Filter routes

Destination	Target	Status	Propagated
25.0.0.16	local	Active	No

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- After creating route table go to transit gateway
- Click on create transit gateway then enter the transit gateway name then click on create transit gateway

The screenshot shows the AWS VPC dashboard with the 'Transit gateways' section selected. The main content area displays a message: 'No transit gateways' and 'You do not have any transit gateways in this region'. A prominent orange button labeled 'Create transit gateway' is centered below the message. On the left sidebar, under 'Virtual private cloud', several options like 'Your VPCs', 'Subnets', and 'Route tables' are listed.

The screenshot shows the 'Create transit gateway' wizard. The first step, 'Details - optional', is displayed. It includes fields for 'Name tag' (containing 'my-tg-1') and 'Description' (containing 'allow'). Below this, the 'Configure the transit gateway' section is partially visible, showing fields for 'Amazon side Autonomous System Number (ASN)' (containing 'ASN') and 'DNS support' (with a checked checkbox).

The screenshot shows the 'Configure cross-account sharing options' step of the 'Create Transit Gateway' wizard. It includes fields for accepting shared attachments, defining CIDR blocks (10.0.0.0/24), and adding tags (Name: my-tg-1). The 'Create transit gateway' button is highlighted.

- After Creating transit gateway status is shown pending wait for few min. status is changed available

The screenshot shows the 'Transit gateways (1)' page after creating a transit gateway. A success message indicates the creation of tgw-08def43bc2655f7d8 / my-tg-1. The table lists one entry: Name: my-tg-1, Transit gateway ID: tgw-08def43bc2655f7d8, and State: Available.

- After that go to transit gateway attachment
- Click on transit gateway attachment
- Enter the name and select transit gateway id
- Select VPC id and click on create transit gateway attachment

You successfully created tgw-08def43bc2655f7d8 / my-tg-1.

Name	Transit gateway ID	State
my-tg-1	tgw-08def43bc2655f7d8	Available

Create transit gateway attachment Info

A transit gateway (TGW) is a network transit hub that interconnects attachments (VPCs and VPNs) within the same AWS account or across AWS accounts.

Details

Name tag - optional
Creates a tag with the key set to Name and the value set to the specified string.

Transit gateway ID Info

Attachment type Info

VPC attachment
Select and configure your VPC attachment.

DNS support Info

The screenshot shows the 'Create Transit Gateway Attachment' wizard in the AWS VPC console. The 'VPC ID' section has 'vpc-06c8f11ce1adf43bd' selected. In the 'Subnet IDs' section, 'ap-south-1a' is checked and 'subnet-06c57a3b791a1a839' is selected. Below it, 'ap-south-1b' and 'ap-south-1c' are listed with 'No subnet available'. A 'Tags - optional' section contains a key-value pair: 'Name' and 'my-tga-1'. The bottom navigation bar includes CloudShell, Feedback, and links to Privacy, Terms, and Cookie preferences.

- After Creating transit gateway attachment status is shown pending wait for few min. status will be changed as available

The screenshot shows the 'Transit gateway attachments' list in the AWS VPC console. It displays one attachment named 'my-tga-1' with the following details:

Name	Transit gateway attachment ID	Transit gateway ID	State	Resource type
my-tga-1	tgw-attach-04cc409a9dfbe4331	tgw-08def43bc2655f7d8	Available	VPC

The left sidebar shows the VPC dashboard, EC2 Global View, and various VPC components like Your VPCs, Subnets, Route tables, Internet gateways, etc. The bottom navigation bar includes CloudShell, Feedback, and links to Privacy, Terms, and Cookie preferences.

- After creating transit gateway attachment go to route tables
- Click on route table id go to subnet association and edit subnet association and select created subnet and then click on save changes

The screenshot shows the AWS VPC Route Tables page. The left sidebar is expanded to show the 'Route tables' section. The main area displays a table of route tables with columns for Name, Route table ID, Explicit subnet associations, Edge associations, and Main status. Three route tables are listed:

Name	Route table ID	Explicit subnet associations	Edge associations	Main
my-rt-1	rtb-05832c705a07edf68	-	-	No
-	rtb-094995a6eee43e29a	-	-	Yes
-	rtb-0747bc61893b10850	-	-	Yes

Below the table, a message says "Select a route table".

The screenshot shows the AWS VPC RouteTableDetails page for route table **rtb-05832c705a07edf68 / my-rt-1**. The left sidebar is expanded to show the 'Route tables' section. The main area displays the details of the route table, including its ID, VPC, and owner information. Below the details, there are tabs for Routes, Subnet associations, Edge associations, Route propagation, and Tags. Under the Routes tab, one route is listed:

Destination	Target	Status	Propagated
25.0.0.0/16	local	Active	No

Screenshot of the AWS VPC console showing the details of a route table.

Route table ID: rtb-05832c705a07edf68 / my-rt-1

Details:

Route table ID rtb-05832c705a07edf68	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-06c8f11ce1adf43bd my-vpc-1	Owner ID 339712715437		

Subnet associations: (0)

No subnet associations

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Screenshot of the AWS VPC console showing the edit subnet associations page.

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (1/1):

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
my-sub-1	subnet-06c57a3b791a1a839	25.0.1.0/24	-	Main (rtb-094995a6eee43e29a)

Selected subnets:

subnet-06c57a3b791a1a839 / my-sub-1

Cancel Save associations

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- After saving association then go to actions then click on edit routes
- Click on add route select 0.0.0.0/0 target is select internet gateway then select transit gateway id
- Again add route then enter ipv4 CIDR of another account VPC then select target is transit gateway and id.

The screenshot shows the AWS VPC Route Table Details page for route table ID rtb-05832c705a07edf68. A green success message at the top states: "You have successfully updated subnet associations for rtb-05832c705a07edf68 / my-rt-1." The main content area displays the route table details, including its ID, VPC, and subnet associations. The "Routes" tab shows one route entry: Destination 25.0.0.0/16, Target local, Status Active, and Propagated No. The "Actions" dropdown menu is open, showing options like Set main route table, Edit subnet associations, Edit edge associations, Edit route propagation, Edit routes, and Manage tags.

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This screenshot is identical to the one above, showing the AWS VPC Route Table Details page for route table ID rtb-05832c705a07edf68. It displays the same success message, route table details, and open "Actions" dropdown menu with the same set of options: Set main route table, Edit subnet associations, Edit edge associations, Edit route propagation, Edit routes, and Manage tags.

Destination Target Status Propagated

25.0.0.0/16	local	Active	No
35.0.0.0/16	Transit Gateway	Active	No
0.0.0.0/0	Internet Gateway	Active	No

Add route Cancel Preview Save changes

- Go to Another Account and same create VPC , Subnet , internet gateway , transit gateway & transit gateway attachment.

Console Home

Recently visited: EC2, VPC, S3, EFS, IAM

Applications (0)

Create application

No applications

Get started by creating an application.

Create application

Go to myApplications

CloudShell Feedback

31°C Partly sunny

Search

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The screenshot shows the AWS Console Home page with a search bar at the top containing 'vpc'. The search results are displayed under the 'Services' section, listing 'VPC', 'AWS Firewall Manager', 'Detective', and 'Managed Services'. Below this, there is a 'Features' section with a 'Dashboard' link.

The screenshot shows the VPC Console Home page. On the left, there is a sidebar with options like 'Virtual private cloud', 'Your VPCs', 'Subnets', 'Route tables', etc. The main area displays 'Resources by Region' with counts for VPCs (1), Subnets (3), Route Tables (1), Internet Gateways (1), Egress-only Internet Gateways (0), NAT Gateways (0), VPC Peering Connections (0), Network ACLs (1), Security Groups (19), Customer Gateways (0), and Egress-only Internet Gateways (0). There are also sections for 'Service Health', 'Settings', 'Additional Information', and 'AWS Network Manager'.

CreateVpc | VPC Console

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateVpccreateMode=vpcOnly

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-2

IPv4 CIDR block [Info](#)
 IPv4 CIDR manual input IPAM-allocated IPv4 CIDR block

IPv4 CIDR
35.0.0.0/16

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

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CreateVpc | VPC Console

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateVpccreateMode=vpcOnly

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-2 Remove tag

Add tag You can add 49 more tags

Cancel Create VPC

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CreateSubnet | VPC Console

VPC ID
Create subnets in this VPC.
vpc-0fd229ea1698eb014 (my-vpc-2)

Associated VPC CIDRs
IPv4 CIDRs
35.0.0.0/16

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.
my-subnet-01

The name can be up to 256 characters long.

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CreateSubnet | VPC Console

Choose the zone in which your subnet will reside, or let Amazon choose one for you.
Asia Pacific (Mumbai) / ap-south-1

IPv4 VPC CIDR block [Info](#)
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
35.0.0.0/16

IPv4 subnet CIDR block
35.0.1.0/24 256 IPs

Tags - optional

Key	Value - optional
Name	my-sub-2

Add new tag You can add 49 more tags. Remove Add new subnet

Cancel Create subnet

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Create internet gateway [Info](#)

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name 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="my-igw-2"/>

[Add new tag](#)
You can add 49 more tags.

[Cancel](#) [Create internet gateway](#)

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InternetGateway | VPC Console X

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#InternetGateway:id=igw-0bd5256b094918679

VPC > Internet gateways > igw-0bd5256b094918679 / my-igw-2

[Actions](#)

Details [Info](#)

Internet gateway ID	State	VPC ID	Owner
igw-0bd5256b094918679	Detached	-	975049886410

Tags

Key	Value
Name	my-igw-2

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- And Click on route table id go to subnet association and edit subnet association and select created subnet and then click on save changes.
- After saving association then go to actions then click on edit routes
- Click on add route select 0.0.0.0/0 target is select internet gateway then select transit gateway id.
- Now go to route table of VPC -1 then click on route table id and go to actions and edit routes.
- Add route then enter ipv4 CIDR of another account VPC - 2 then select target is transit gateway and id.
- Go to route table of VPC -2 then click on route table id and go to actions and edit routes.
- Add route then enter ipv4 CIDR of another account VPC - 1 then select target is transit gateway and id.

The screenshot shows the AWS VPC Console with the URL <https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#EditRoutes:RouteTableId=rtb-05832c705a07edf68>. The page is titled "Edit routes". It lists three routes:

Destination	Target	Status	Propagated
25.0.0.0/16	local	Active	No
35.0.0.0/16	Transit Gateway	Active	No
0.0.0.0/0	Internet Gateway	Active	No

At the bottom right, there are "Cancel", "Preview", and "Save changes" buttons. The status bar at the bottom includes links for CloudShell, Feedback, and various AWS services like Lambda, S3, and CloudWatch.

The screenshot shows the 'Edit routes' page in the AWS VPC console. A table lists three routes:

Destination	Target	Status	Propagated
35.0.0.0/16	local	Active	No
25.0.0.0/16	Transit Gateway	Active	No
0.0.0.0/0	Internet Gateway	Active	No

Buttons for 'Add route' and 'Save changes' are visible at the bottom.

- Now go to transit gateway attachments then click on create transit gateway attachment.
- Enter name and select transit gateway id
- And select attachment type is peering connection then selects other account option.
- And enter other account id , region & transit gateway id of accepter then create transit gateway attachment.

WhatsApp Transit Gateway attachments

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

VPC dashboard Services Search [Alt+S] Mumbai Grani

Transit gateway attachments (1) info Actions Create transit gateway attachment

Name	Transit gateway attachment ID	Transit gateway ID	State	Resource...
my-tga-1	tgw-attach-04cc409a9dfbe4331	tgw-08def43bc2655f7d8	Available	VPC

Select a transit gateway attachment

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WhatsApp VPC | ap-south-1

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

Services Search [Alt+S] Mumbai Grani

Transit gateway ID: tgw-08def43bc2655f7d8 Attachment type: Peering Connection

Peering connection attachment
Select and configure your peering connection attachment.

Account: Other account
My account
Other account

Account ID: Enter AWS account number

Region: Select a region

Transit gateway (accepter): Transit gateway accepter

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The left window shows the 'Create transit gateway attachment' page for a 'Peering Connection'. It includes fields for Account (Other account), Account ID (9750-4988-6410), Region (Mumbai), and Transit gateway (accepter) (my-tg-2). The right window shows the 'Route tables' list with 'my-rt-2' selected, and the 'Details' tab for route table 'rtb-080ac47202e7f91fb / my-rt-2'.

The left window shows the 'Create transit gateway attachment' page for a 'Peering Connection'. It includes fields for Account (Other account), Account ID (975049886410), Region (Asia Pacific (Mumbai) (ap-south-1)), and Transit gateway (accepter) (my-tg-2). The right window shows the 'Transit gateways' list with 'mt-tg-2' selected, and the 'Details' tab for transit gateway 'tgw-02db7c036d16a7cf'. The status is 'Available'.

- And now go to accepter account and go to transit gateway attachments and its showing status pending acceptance click on that attachment id then accept transit gateway attachments.
- After accept transit gateway its shown status is available both the accounts.

Transit gateway attachments (1/2) [info](#)

Name	Transit gateway attachment ID	Transit gateway ID	State	R...	Resource
my-peer	tgw-attach-0e1c64d92b5a39982	tgw-08def43bc2655f7d8	Available	Pee...	tgw-02db...
my-tga-1	tgw-attach-04cc409a9dfbe4331	tgw-08def43bc2655f7d8	Available	VPC	vpc-06cb...

Transit gateway attachment: tgw-attach-0e1c64d92b5a39982 / my-peer

- Both the accounts create a static route.
- Go to Transit gateway route table and select transit gateway route table
- In first account go to actions and create static route and enter CIDR of VPC – 2 and select attachment of peering.
- In second account go to actions and create static route and enter CIDR of VPC – 1 and select attachment of peering.

Transit gateway route tables (1/1) [info](#)

Name	Transit gateway route table ID	Transit gateway ID	State	Default association rout...
tgw-rtb-0cb5b5a7d95f7d40d	tgw-08def43bc2655f7d8	Available	Yes	

Transit gateway route tables: tgw-rtb-0cb5b5a7d95f7d40d

Routes

Filter routes by CIDR (2)

Exact CIDR	Longest prefix match	Supernet of match	Subnet of match
Select a valid IP4 or IPv6 CIDR. <input type="text" value="0.0.0.0/0, ::/0"/>	Enter a valid IP4 or IPv6 and press enter. <input type="text" value="0.0.0.0, ::"/>	Select a valid IP4 or IPv6 CIDR. <input type="text" value="0.0.0.0/0, ::/0"/>	Select a valid IP4 or IPv6 CIDR. <input type="text" value="0.0.0.0/0, ::/0"/>

WhatsApp VPC | ap-south-1

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateRoute:transitGatewayRouteTableId=tgw-rtb-0cb5b5a7d95f7d40d

Services Search [Alt+S]

Mumbai Gnani

Create static route Info

Add a static route to your transit gateway route table.

Details

Transit gateway ID: tgw-08def43bc2655f7d8

Transit gateway route table ID: tgw-rtb-0cb5b5a7d95f7d40d

CIDR: Info

Type: Active Blackhole

Choose attachment: Cancel Create static route

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Transit gateway attachments | X

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

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Accept transit gateway peering attachment(tgw-attach-0fd771efcf9c3ac99) succeeded.

Transit gateway attachments (1/5) <small>Info</small>	Actions	Create transit gateway attachment			
<input type="text" value="Find transit gateway attachment by attribute or tag"/>	< 1 >	<small>Cancel</small>			
way attachment ID	Transit gateway ID	State	Resource ID	Association route table ID	Association state
0fd771efcf9c3ac99	tgw-02db7c036d16a7cf0	Available	Pee...	tgw-08def43bc2655f7d8	tgw-rtb-0a562dea24c0f38c2
01b46b9ff6f9f86d3	tgw-02db7c036d16a7cf0	Available	VPC	vpc-0fd229ea1698eb014	tgw-rtb-0a562dea24c0f38c2
081abdb53b475b7dd	tgw-03f2ae6efd1d26927	Deleted	VPC	vpc-085d6ebf74a8c5bd4	-
0b2d87b7091cd05c0	tgw-03f2ae6efd1d26927	Deleted	VPC	vpc-01b5dc628063de8cb	-
0ef968c451c365f50	tgw-03f2ae6efd1d26927	Deleted	VPC	vpc-0eb6fa4567d2a3e8e	-

Transit gateway attachment: tgw-attach-0fd771efcf9c3ac99

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The screenshot shows the AWS VPC console with the URL <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#TransitGatewayRouteTables>. The left sidebar navigation includes 'providers New', 'Verified Access groups New', 'Verified Access endpoints New', 'Transit gateways' (selected), 'Transit gateway attachments', 'Transit gateway policy tables', 'Transit gateway route tables' (selected), and 'Traffic Mirroring'. The main content area displays 'Transit gateway route tables (1/1) info' with a table showing one entry:

Name	Transit gateway route table ID	Transit gateway ID	State	Default association route
tgw-rtb-0a562dea24c0f38c2	tgw-02db7c036d16a7cf	Available	Yes	

A modal window titled 'Transit gateway route tables: tgw-rtb-0a562dea24c0f38c2' is open, showing the 'Details' tab with the following information:

- Transit gateway route table ID: tgw-rtb-0a562dea24c0f38c2
- Transit gateway ID: tgw-02db7c036d16a7cf
- State: Available
- Default association route table: Yes

The bottom of the screen shows the Windows taskbar with various pinned icons.

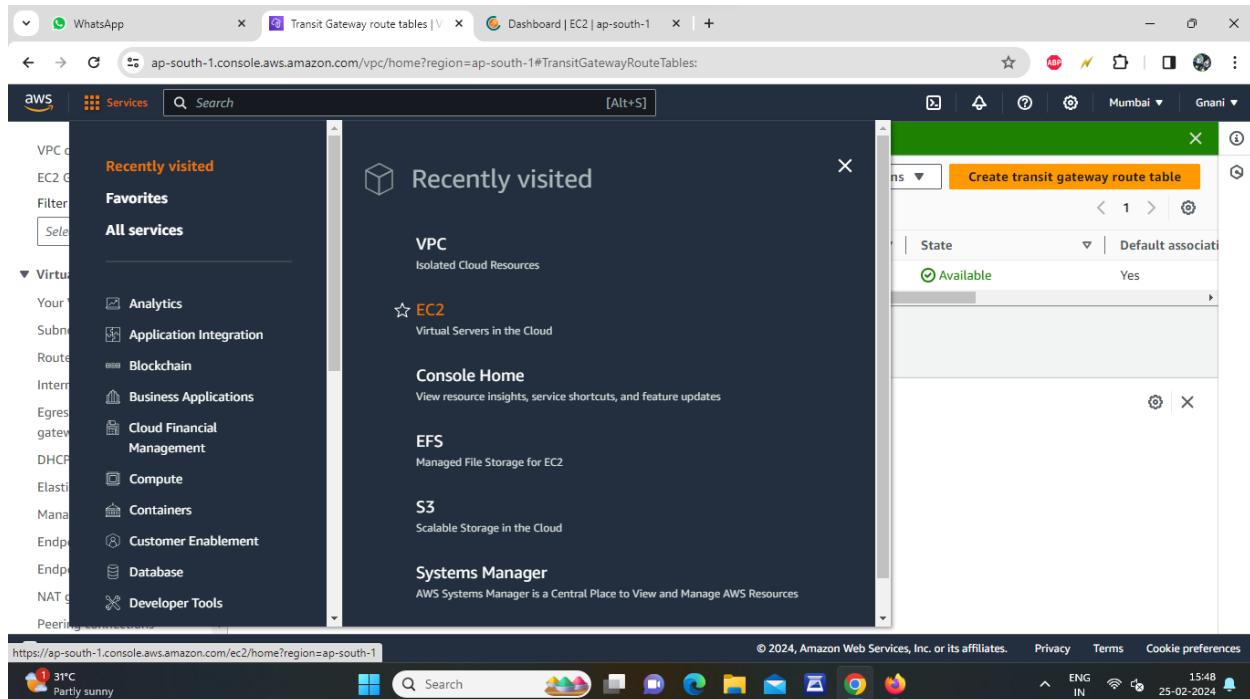
The screenshot shows the AWS VPC console with the URL <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateRoute:transitGatewayRouteTableId=tgw-rtb-0a562dea24c0f38c2>. The left sidebar navigation is identical to the previous screenshot. The main content area is titled 'Create static route' (Info) and contains the following fields:

- Details** section:
 - Transit gateway ID: tgw-02db7c036d16a7cf
 - Transit gateway route table ID: tgw-rtb-0a562dea24c0f38c2
- CIDR** section (Info):
 - Input field: 25.0.0.0/16
- Type** section:
 - Active (radio button selected)
 - Blackhole
- Choose attachment** dropdown menu:
 - tgw-attach-0fd771efcf9c3ac99

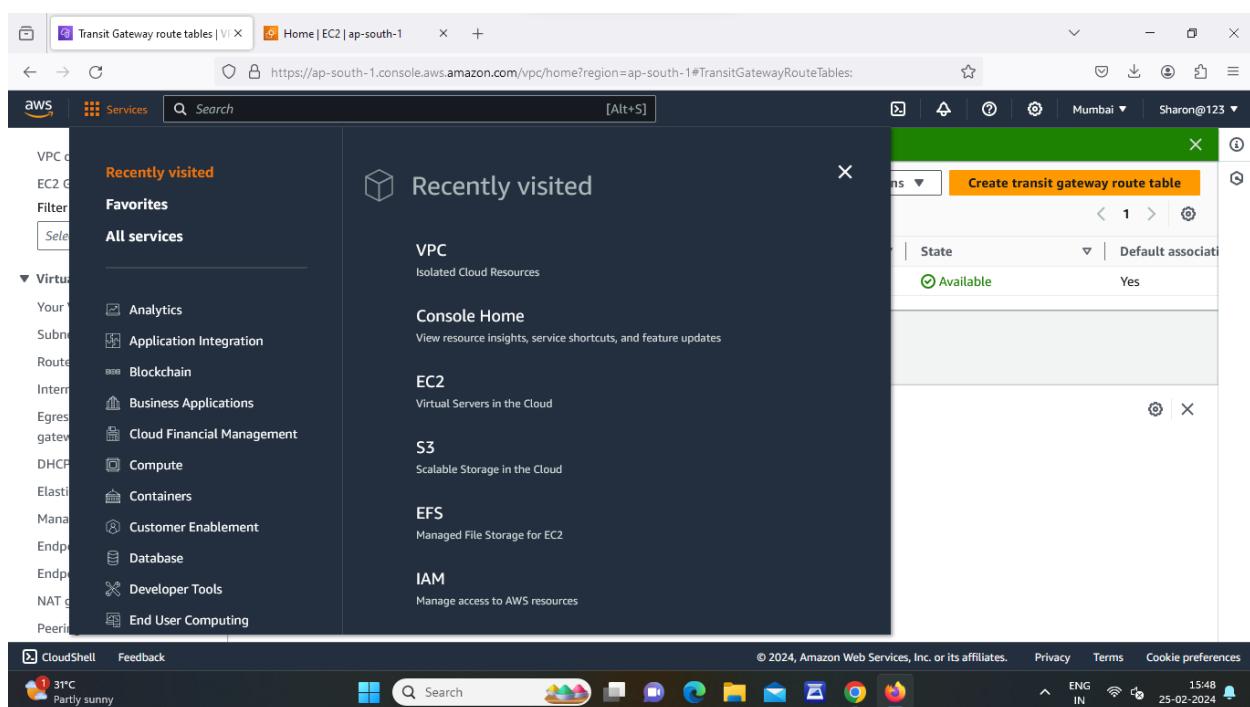
At the bottom right are 'Cancel' and 'Create static route' buttons. The bottom of the screen shows the Windows taskbar.

- After creating static routes then launch instances in two accounts and connect the instances
- After connect the instance check account to account connection is working or not
- Command is

Yum install nginx -y
Systemctl status nginx
Systemctl start nginx
Curl private ip of account 2 (or) account 1



This screenshot shows the AWS Management Console with the VPC service selected. The left sidebar lists various services under 'Recently visited' and 'Favorites'. The main content area displays the 'Recently visited' section, which includes links to VPC, EC2, Console Home, EFS, S3, and Systems Manager. A modal window titled 'Create transit gateway route table' is open on the right side of the screen.



This screenshot shows the AWS Management Console with the EC2 service selected. The left sidebar lists various services under 'Recently visited' and 'Favorites'. The main content area displays the 'Recently visited' section, which includes links to VPC, Console Home, EC2, S3, EFS, and IAM. A modal window titled 'Create transit gateway route table' is open on the right side of the screen.

WhatsApp | Transit Gateway route tables | Launch an instance | EC2 | ap-south-1 | +

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

AWS Services Search [Alt+S] Mumbai Granai

EC2 Instances Launch an instance

Success Successfully initiated launch of instance i-07c23b2b6553eb878

Launch log

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

1 2 3 4 5 6 >

Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
Create billing alerts

Connect to your instance
Once your instance is running, log into it from your local computer.
Connect to instance Learn more

Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
Connect an RDS database Create a new RDS database

Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots.
Create EBS snapshot policy

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Transit Gateway route tables | Launch an instance | EC2 | ap-south-1 | +

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

AWS Services Search [Alt+S] Mumbai Sharon@123

Network settings

VPC - required Info
vpc-0fd229ea1698eb014 (my-vpc-2)
35.0.0.0/16

Subnet Info
subnet-0ee4e1fb4e4e27068 my-sub-2
VPC: vpc-0fd229ea1698eb014 Owner: 975049886410 Availability Zone: ap-south-1a IP addresses available: 250 CIDR: 35.0.1.0/24

Create new subnet

Auto-assign public IP Info
Enable

Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group Select existing security group

Security group name - required
launch-wizard-1

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-./()#,@[]+=;&|^\$*

Summary

Number of instances Info
1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.3.2...read more
ami-0e670eb768a5fc3d4

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Cancel Launch instance Review commands

CloudShell Feedback 31°C Partly sunny Search ENG IN 15:50 25-02-2024

Transit Gateway route tables | Launch an instance | EC2 | ap-south-1

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

AWS Services Search [Alt+S]

Security group rule 2 (TCP, 80, 0.0.0.0/0)

Type: HTTP Protocol: TCP Port range: 80

Source type: Anywhere Description - optional: e.g. SSH for admin desktop

Security group rule 3 (TCP, 80, 25.0.0.0/16)

Type: HTTP Protocol: TCP Port range: 80

Source type: Custom Description - optional: e.g. SSH for admin desktop

25.0.0.0/16

⚠️ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2023.3.2...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Launch instance

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Transit Gateway route tables | Instance details | EC2 | ap-south-1

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#instanceDetails:instanceId=i-0100a7f6508dca912

AWS Services Search [Alt+S]

EC2 Dashboard EC2 Global View Events

Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations

Images AMIs AMI Catalog

Elastic Block Store Volumes

Instance summary for i-0100a7f6508dca912 (my-vpc-2)

Updated less than a minute ago

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0100a7f6508dca912 (my-vpc-2)	3.110.105.214 [open address]	35.0.1.238
IPv6 address	Instance state	Public IPv4 DNS
-	Pending	-
Hostname type	Private IP DNS name (IPv4 only)	Elastic IP addresses
IP name: ip-35-0-1-238.ap-south-1.compute.internal	ip-35-0-1-238.ap-south-1.compute.internal	-
Answer private resource DNS name	Instance type	AWS Compute Optimizer finding
-	t2.micro	Opt-in to AWS Compute Optimizer for recommendations.
Auto-assigned IP address	VPC ID	Learn more
3.110.105.214 [Public IP]	vpc-0fd229ea1698eb014 (my-vpc-2)	
IAM Role	Subnet ID	Auto Scaling Group name
-	subnet-0ee4e1fb4e4e27068 (my-sub-2)	-

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WhatsApp | Transit Gateway route tables | Instance details | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#InstanceDetailsInstanceId=i-07c23b2b6553eb878

AWS Services Search [Alt+S] Mumbai Grani

EC2 Dashboard Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations New Images AMIs AMI Catalog Elastic Block Store

EC2 > Instances > i-07c23b2b6553eb878

Instance summary for i-07c23b2b6553eb878 (my-vpc-1) Info Connect Instance state Actions

Updated less than a minute ago

Instance ID i-07c23b2b6553eb878 (my-vpc-1)	Public IPv4 address 13.232.40.243 [open address]	Private IPv4 addresses 25.0.1.124
IPv6 address -	Instance state Running	Public IPv4 DNS -
Hostname type IP name: ip-25-0-1-124.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) ip-25-0-1-124.ap-south-1.compute.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations.
Auto-assigned IP address 13.232.40.243 [Public IP]	VPC ID vpc-06c8f11ce1adf43bd (my-vpc-1)	[Learn more]
IAM Role -	Subnet ID subnet-06c57a3b791a1a839 (my-sub-1)	Auto Scaling Group name -

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WhatsApp | Transit Gateway route tables | Connect to instance | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ConnectToInstanceInstanceId=i-07c23b2b6553eb878

AWS Services Search [Alt+S] Mumbai Grani

EC2 Instance Connect Session Manager SSH client EC2 serial console

Instance ID
i-07c23b2b6553eb878 (my-vpc-1)

Connection Type

Connect using EC2 Instance Connect
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

Connect using EC2 Instance Connect Endpoint
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

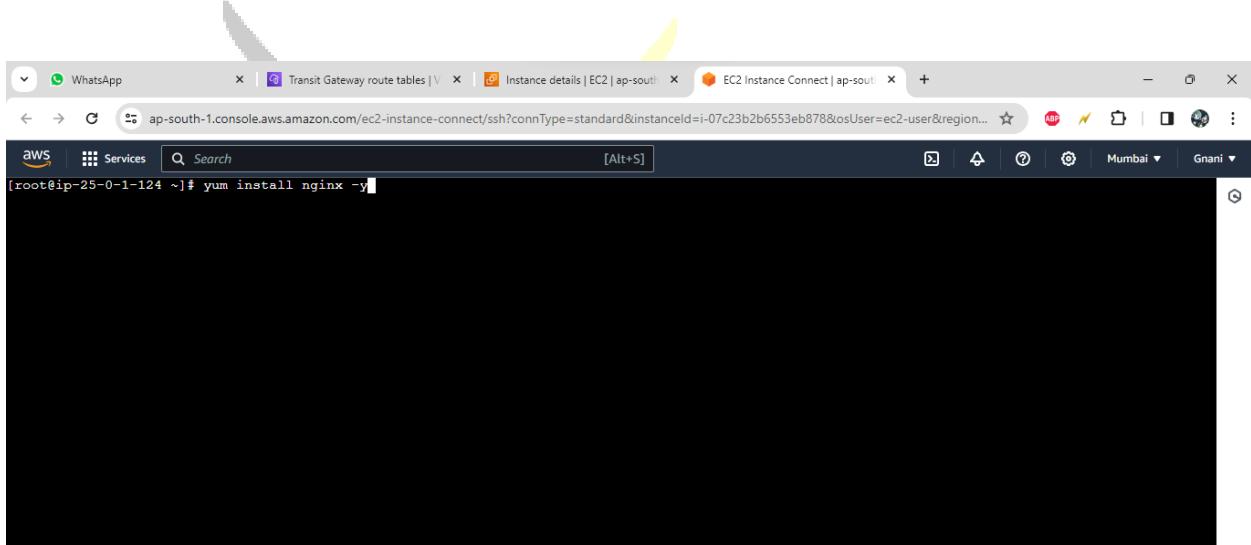
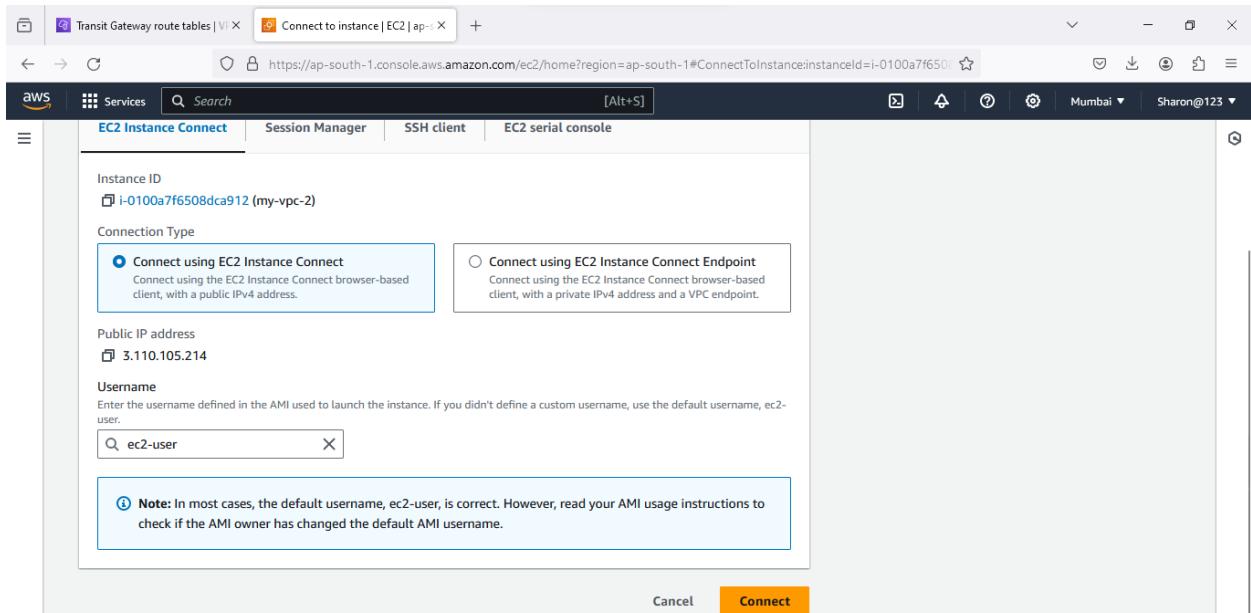
Public IP address
13.232.40.243

Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.
ec2-user

Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel Connect

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i-07c23b2b6553eb878 (my-vpc-1)

Public IPs: 13.232.40.243 Private IPs: 25.0.1.124



```
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org">nginx.org</a>. <br/>
Commercial support is available at
<a href="http://nginx.com">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
[root@ip-25-0-1-124 ~]# 
```





A screenshot of an AWS CloudShell session. The browser tabs show "Transit Gateway route tables | VI", "Instance details | EC2 | ap-south-", and "EC2 Instance Connect | ap-south-". The URL is <https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0100a7f6508dc>. The AWS navigation bar includes "Services", "Search", and "Mumbai". The session window shows a terminal command: `[root@ip-35-0-1-238 ~]# curl 25.0.1.124:80`.



Transit Gateway route tables | VI X Instance details | EC2 | ap-south1 X EC2 Instance Connect | ap-south1 X +

AWS Services Search [Alt+S] Mumbai Sharon@123

```
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and working. Further configuration is required.</p>
<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>
<p><em>Thank you for using nginx.</em></p>
</body>
</html>
```

[root@ip-35-0-1-238 ~]# i-0100a7f6508dca912 (my-vpc-2)

PublicIPs: 3.110.105.214 PrivateIPs: 35.0.1.238

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31°C Partly sunny 15:54 25-02-2024

