ASSIGNMENT – 2

COURSE : DEVOPS

Trainer : Mr . MADHUKAR

NAME:N.ALEKHYA

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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

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

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CreateVpc | VPC Console
us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#CreateVpc:createMode=vpcOnly
Gmail
YouTube
Maps
aws
Services
Search
[Alt+S]
N. California
alekhya
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.
vpc3
IPv4 CIDR block Info
IPv4 CIDR manual input
IPAM-allocated IPv4 CIDR block
IPv4 CIDR
22.0.0.0/16
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
CloudShell
Feedback
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ENG
17:04
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CreateVpc | VPC Console
us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#CreateVpc:createMode=vpcOnly
Gmail
YouTube
Maps
aws
Services
Search
[Alt+S]
N. California
alekhya
IPAM-allocated IPv4 CIDR block
IPv4 CIDR
22.0.0.0/16
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
Name
Value - optional
vpc-3
Remove tag
Add tag
You can add 49 more tags
Cancel
Create VPC
CloudShell
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- Go to Subnets and Click on create subnet

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

CreateSubnet | VPC Console
us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#CreateSubnet:
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.
sub-3
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.
US West (N. California) / us-west-1b
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.
22.0.0.0/16
IPv4 subnet CIDR block
22.0.1.0/24
256 IPs
Tags - optional
Key
Value - optional

Subnets | VPC Management Co
us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#subnets:SubnetId=subnet-0ca96d338b45d5cb0
You have successfully created 1 subnet: subnet-0ca96d338b45d5cb0
Subnets (1) Info
Actions
Create subnet
Find resources by attribute or tag
Subnet ID : subnet-0ca96d338b45d5cb0
Clear filters
Name
Subnet ID
State
VPC
IPv4 CIDR
sub-3
subnet-0ca96d338b45d5cb0
Available
vpc-0198b114d4dc7ba28 | vpc3
22.0.1.0/24
Select a subnet
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
Security
Network ACLs

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

- 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

RouteTables | VPC Console

us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#RouteTables:

Gmail YouTube Maps

aws Services Search [Alt+S] N. California alekhya

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

Security
- Network ACLs

Route tables (1) Info

Actions | Create route table

Find resources by attribute or tag

Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
–	rtb-0a0275a228678a3ab	–	–	Yes	vpc-0247da48be606ede2

Select a route table

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CreateRouteTable | VPC Consol

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

Gmail YouTube Maps

aws Services Search [Alt+S] N. California alekhya

Create route table Info

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

Route table settings

Name - *optional*
Create a tag with a key of 'Name' and a value that you specify.
my-route3

VPC
The VPC to use for this route table.
vpc-0198b114d4dc7ba28 (vpc3)

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-route3	Remove

Add new tag
You can add 49 more tags.

Cancel Create route table

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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

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

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

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- 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

RouteTables | VPC Console
us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#RouteTables:
Route tables (3) Info
Actions
Create route table
Find resources by attribute or tag
Name
Route table ID
Explicit subnet associ...
Edge associations
Main
VPC
rtb-0fd7a39802654d0e2
Yes
my-route3
rtb-0e12a063d627bd6e8
No
rtb-0a0275a228678a3ab
Yes
Select a route table
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
Security
Network ACLs
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RouteTableDetails | VPC Consol
us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#RouteTableDetails:RouteTableId=rtb-0e12a063d627bd6e8
VPC > Route tables > rtb-0e12a063d627bd6e8
rtb-0e12a063d627bd6e8 / my-route3
Actions
Details Info
Route table ID
rtb-0e12a063d627bd6e8
Main
No
Explicit subnet associations
Edge associations
VPC
vpc-0198b114d4dc7ba28 | vpc3
Owner ID
654654414853
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (1)
Both
Edit routes
Filter routes
Destination
Target
Status
Propagated
22.0.0.0/16
local
Active
No
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RouteTableDetails | VPC Consol
us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#RouteTableDetails:RouteTableId=rtb-0e12a063d627bd6e8
Gmail
YouTube
Maps
aws
Services
Search
[Alt+S]
N. California
alekhya
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
Security
Network ACLs
Route table ID
rtb-0e12a063d627bd6e8
Main
No
Explicit subnet associations
–
Edge associations
–
VPC
vpc-0198b114d4dc7ba28 | vpc3
Owner ID
654654414853
Routes
Subnet associations
Edge associations
Route propagation
Tags
Explicit subnet associations (0)
Edit subnet associations
Find subnet association
Name
Subnet ID
IPv4 CIDR
IPv6 CIDR
No subnet associations
You do not have any subnet associations.
Subnets without explicit associations (1)
Edit subnet associations
The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:
Find subnet association
Name
Subnet ID
IPv4 CIDR
IPv6 CIDR
sub-3
subnet-0ca96d338b45d5cb0
22.0.1.0/24
–
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EditRouteTableSubnetAssociati
us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#EditRouteTableSubnetAssociations:RouteTableId=rtb-0e12a063d627bd6e8
Gmail
YouTube
Maps
aws
Services
Search
[Alt+S]
N. California
alekhya
VPC > Route tables > rtb-0e12a063d627bd6e8 > Edit subnet associations
Edit subnet associations
Change which subnets are associated with this route table.
Available subnets (1/1)
Filter subnet associations
Name
Subnet ID
IPv4 CIDR
IPv6 CIDR
Route table ID
sub-3
subnet-0ca96d338b45d5cb0
22.0.1.0/24
–
Main (rtb-0fd7a39802654d0e2)
Selected subnets
subnet-0ca96d338b45d5cb0 / sub-3
Cancel
Save associations
CloudShell
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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.

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

Console Home | Console Home
https://ap-south-1.console.aws.amazon.com/console/home?nc2=h_ct&region=ap-south-1&src=header-signin#
Services
Search
[Alt+S]
Mumbai
Sharon@123
Console Home Info
Reset to default layout
+ Add widgets
Recently visited Info
EC2
VPC
CloudWatch
Simple Notification Service
S3
EFS
IAM
View all services
Applications (0) Info
Region: Asia Pacific (Mumbai)
Create application
ap-south-1 (Current Region)
Find applications
Name
Description
Region
Originating account
No applications
Get started by creating an application.
Create application
Go to myApplications
Welcome to AWS
Getting started with AWS
AWS Health Info
Open issues
Cost and usage Info
CloudShell
Feedback
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Type here to search
29°C Mostly cloudy
ENG
20:11
26-02-2024

Console Home | Console Home
https://ap-south-1.console.aws.amazon.com/console/home?nc2=h_ct&region=ap-south-1&src=header-signin#
Services
Search
[Alt+S]
Mumbai
Sharon@123
Console Home Info
Reset to default layout
+ Add widgets
Recently visited Info
EC2
VPC
CloudWatch
Simple Notification Service
S3
EFS
IAM
View all services
Applications (0) Info
Region: Asia Pacific (Mumbai)
Create application
ap-south-1 (Current Region)
Find applications
Name
Description
Region
Originating account
No applications
Get started by creating an application.
Create application
Go to myApplications
Welcome to AWS
Getting started with AWS
AWS Health Info
Open issues
Cost and usage Info
CloudShell
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Home | VPC Console
https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#Home:
Services
Search
[Alt+S]
Mumbai
Sharon@123
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
Security
Network ACLs
Security groups
Create VPC
Launch EC2 Instances
Note: Your Instances will launch in the Asia Pacific region.
Resources by Region
Refresh Resources
You are using the following Amazon VPC resources
VPCs Asia Pacific 2
NAT Gateways Asia Pacific 0
Subnets Asia Pacific 4
VPC Peering Connections Asia Pacific 0
Route Tables Asia Pacific 3
Network ACLs Asia Pacific 2
Internet Gateways Asia Pacific 2
Security Groups Asia Pacific 22
Egress-only Internet Gateways Asia Pacific 0
Customer Gateways Asia Pacific 0
DHCP option sets Asia Pacific 1
Virtual Private Gateways Asia Pacific 0
See all regions
Service Health
View complete service health details
Settings
Zones
Console Experiments
Additional Information
VPC Documentation
All VPC Resources
Forums
Report an Issue
AWS Network Manager
AWS Network Manager provides tools and features to help you manage and monitor your network on AWS. Network Manager makes it easier to perform connectivity management, network monitoring and troubleshooting, IP management, and network security and governance.
Get started with Network Manager
Site-to-Site VPN Connections
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CreateVpc | VPC Console
https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateVpc:createMode=vpcOnly
Services
Search
[Alt+S]
Mumbai
Sharon@123
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
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.
vpc2
IPv4 CIDR block Info
IPv4 CIDR manual input
IPAM-allocated IPv4 CIDR block
IPv4 CIDR
24.0.0.0/16
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
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VpcDetails | VPC Console
https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#VpcDetails:VpcId=vpc-00107fc3dbc956db7
Services
Search
[Alt+S]
Mumbai
Sharon@123
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
Security
Network ACLs
Security groups
You successfully created vpc-00107fc3dbc956db7 / vpc2
VPC > Your VPCs > vpc-00107fc3dbc956db7
vpc-00107fc3dbc956db7 / vpc2
Actions
Details Info
VPC ID
vpc-00107fc3dbc956db7
State
Available
DNS hostnames
Disabled
DNS resolution
Enabled
Tenancy
Default
DHCP option set
dopt-043e53bd6cc19dbae
Main route table
rtb-0c1a6adc5b2deaebe
Main network ACL
acl-0ea729e550c4b865e
Default VPC
No
IPv4 CIDR
24.0.0.0/16
IPv6 pool
–
IPv6 CIDR (Network border group)
–
Network Address Usage metrics
Disabled
Route 53 Resolver DNS Firewall rule groups
–
Owner ID
975049886410
Resource map
CIDRs
Flow logs
Tags
Integrations
Resource map Info
VPC Show details
Subnets (0)
Route tables (1)
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CreateSubnet | VPC Console
https://us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#CreateSubnet:
Services
Search
[Alt+S]
N. California
Sharon@123
VPC > Subnets > Create subnet
Create subnet Info
VPC
VPC ID
Create subnets in this VPC.
vpc-02f516bf5ff898b92 (vpc-sh-1)
Associated VPC CIDRs
IPv4 CIDRs
23.0.0.0/16
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
https://us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#CreateSubnet:
Services
Search
[Alt+S]
N. California
Sharon@123
Create a tag with a key of 'Name' and a value that you specify.
sub-sh-1
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.
US West (N. California) / us-west-1a
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.
23.0.0.0/16
IPv4 subnet CIDR block
23.0.0.0/16
65,536 IPs
Tags - optional
Key
Value - optional
Name
sub-sh-1
Remove
Add new tag
You can add 49 more tags.
Remove
Add new subnet
Cancel
Create subnet
CloudShell
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Create internet gateway | VPC
https://us-west-1.console.aws.amazon.com/vpcconsole/home?region=us-west-1#CreateInternetGateway:
Services
Search
[Alt+S]
N. California
Sharon@123
VPC > Internet gateways > Create internet gateway
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.
gate-sh-2
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
Name
gate-sh-2
Remove
Add new tag
You can add 49 more tags.
Cancel
Create internet gateway
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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.

- 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.

VPC > Transit gateway attachments > Create transit gateway attachment

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.
gateway-attach-1

Transit gateway ID Info
tgw-035a4ad37fd9f3429

Attachment type Info
VPC

VPC attachment
Select and configure your VPC attachment.

☑ DNS support Info
☐ IPv6 support Info
☐ Appliance Mode support Info

VPC ID

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Details

Name tag - *optional*
Creates a tag with the key set to Name and the value set to the specified string.
gateway-ale-1

Transit gateway ID Info
tgw-0217259be6bb95031

Attachment type Info
Peering Connection

Peering connection attachment
Select and configure your peering connection attachment.

Account Info
○ My account
◉ Other account

Account ID
Add 12 digits AWS account number (without hyphens) of the transit gateway you are peering with.
975049886410

Region Info
US West (N. California) (us-west-1)

Transit gateway (accepter) Info
Transit gateway accepter

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- 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.

- 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 | V
https://us-west-1.console.aws.amazon.com/vpc/home?region=us-west-1#TransitGatewayRouteTables:
Services
Search
[Alt+S]
N. California
Sharon@123
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
Security
Network ACLs
Security groups
Transit gateway route tables (1/3) Info
Actions
Create transit gateway route table
Find transit gateway route table by attribute or tag
Name
Transit gateway route table ID
Transit gateway ID
State
tgw-rtb-02117a0586afc4743
tgw-0772ab47252d0daba
tgw-rtb-0a54291719660ad9e
tgw-035a4ad37fd9f3429
tgw-rtb-0facc6ec58f281382
tgw-005156394224e781b
Create association
Create propagation
Create prefix list reference
Create static route
Export routes
Manage tags
Delete transit gateway route table
Transit gateway route tables: tgw-rtb-02117a0586afc4743
Details
Associations
Propagations
Prefix list references
Routes
Tags
Transit gateway route table ID
tgw-rtb-02117a0586afc4743
Transit gateway ID
tgw-0772ab47252d0daba
State
Available
Default association route table
Yes
Default propagation route table
Yes
CloudShell
Feedback
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Terms
Cookie preferences
Type here to search
AUD/INR -0.47%
ENG
23:14
26-02-2024

VPC | us-west-1
https://us-west-1.console.aws.amazon.com/vpc/home?region=us-west-1#CreateRoute:transitGatewayRouteTableId=tgw-rtb-0a54291719660ad9e
Services
Search
[Alt+S]
N. California
Sharon@123
VPC > Transit gateway route tables > tgw-rtb-0a54291719660ad9e > Create static route
Create static route Info
Add a static route to your transit gateway route table.
Details
Transit gateway ID
tgw-035a4ad37fd9f3429
Transit gateway route table ID
tgw-rtb-0a54291719660ad9e
CIDR Info
22.0.0.0/16
tgw-attach-0dd00a4a34bb7de19
Peering tgw-0217259be6bb95031 654654414853
tgw-attach-0178c89ff53a8e662 (gateway-attach-1)
VPC vpc-0874b31f5f151f5c9 975049886410
tgw-attach-0dd00a4a34bb7de19
Cancel
Create static route
CloudShell
Feedback
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25°C Partly cloudy
ENG
23:19
26-02-2024

Transit Gateway route tables
https://us-west-1.console.aws.amazon.com/vpc/home?region=us-west-1#TransitGatewayRouteTables:
Services
Search
[Alt+S]
N. California
Sharon@123
Static route was created successfully.
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
Security
Network ACLs
Security groups
Transit gateway route tables (3) info
Actions
Create transit gateway route table
Find transit gateway route table by attribute or tag
Name
Transit gateway route table ID
Transit gateway ID
State
Default association route table
tgw-rtb-02117a0586afc4743
tgw-0772ab47252d0daba
Available
Yes
tgw-rtb-0a54291719660ad9e
tgw-035a4ad37fd9f3429
Available
Yes
tgw-rtb-0facc6ec58f281382
tgw-005156394224e781b
Available
Yes
Select a transit gateway route table
CloudShell
Feedback
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Type here to search
25°C Partly cloudy
ENG
23:24
26-02-2024

Transit gateway route tables
https://us-west-1.console.aws.amazon.com/vpc/home?region=us-west-1#TransitGatewayRouteTables:
Services
Search
[Alt+S]
N. California
Sharon@123
(VPN)
Customer gateways
Virtual private gateways
Site-to-Site VPN connections
Client VPN endpoints
AWS Verified Access
Verified Access instances New
Verified Access trust providers New
Verified Access groups New
Verified Access endpoints New
Transit gateways
Transit gateways
Transit gateway attachments
Transit gateway policy tables
Transit gateway route tables
Transit gateway route tables (1/3) info
Actions
Create transit gateway route table
Find transit gateway route table by attribute or tag
Name
Transit gateway route table ID
Transit gateway ID
State
Default association route table
tgw-rtb-02117a0586afc4743
tgw-0772ab47252d0daba
Available
Yes
tgw-rtb-0a54291719660ad9e
tgw-035a4ad37fd9f3429
Available
Yes
tgw-rtb-0facc6ec58f281382
tgw-005156394224e781b
Available
Yes
Transit gateway route tables: tgw-rtb-0a54291719660ad9e
Details
Associations
Propagations
Prefix list references
Routes
Tags
Details
Transit gateway route table ID
tgw-rtb-0a54291719660ad9e
Transit gateway ID
tgw-035a4ad37fd9f3429
State
Available
Default association route table
Yes
Default propagation route table
Yes
CloudShell
Feedback
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Cookie preferences
Type here to search
25°C Partly cloudy
ENG
23:25
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- 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

VCUBE
Software Solutions Pvt. Ltd.

us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#Instances:
Services
Search
[Alt+S]
N. California
alekhya
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Instances (1) Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
Any state
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
ec1
i-01bf2af7c4f0ad331
Stopped
t2.micro
View alarms
us-west-1b
Select an instance
CloudShell
Feedback
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Cookie preferences
Type here to search
24°C Partly cloudy
ENG
23:33
26-02-2024

Transit Gateway route tables
Home | EC2 | ap-south-1
https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#TransitGatewayRouteTables:
Services
Search
[Alt+S]
Mumbai
Sharon@123
Recently visited
Favorites
All services
Analytics
Application Integration
Blockchain
Business Applications
Cloud Financial Management
Compute
Containers
Customer Enablement
Database
Developer Tools
End User Computing
Recently visited
VPC
Isolated Cloud Resources
Console Home
View resource insights, service shortcuts, and feature updates
EC2
Virtual Servers in the Cloud
S3
Scalable Storage in the Cloud
EFS
Managed File Storage for EC2
IAM
Manage access to AWS resources
Create transit gateway route table
State
Default associati
Available
Yes
CloudShell
Feedback
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Cookie preferences
31°C
Partly sunny
Search
ENG
IN
15:48
25-02-2024

WhatsApp
Transit Gateway route tables
Launch an instance | EC2 | ap-s
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:
Services
Search
[Alt+S]
Mumbai
Gnani
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 EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
Create EBS snapshot policy
CloudShell
Feedback
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31°C
Partly sunny
Search
ENG
IN
15:50
25-02-2024

Transit Gateway route tables
Launch an instance | EC2 | ap-s
https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:
Services
Search
[Alt+S]
Mumbai
Sharon@123
Network settings Info
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
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Search
ENG
IN
15:50
25-02-2024

Transit Gateway route tables | VI × | Launch an instance | EC2 | ap-s ×

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

aws | Services | Search [Alt+S] | Mumbai | Sharon@123

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

Type Info	Protocol Info	Port range Info
HTTP	TCP	80

Source type Info	Source Info	Description - *optional* Info
Anywhere	Add CIDR, prefix list or security: 0.0.0.0/0	e.g. SSH for admin desktop

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

Type Info	Protocol Info	Port range Info
HTTP	TCP	80

Source type Info	Source Info	Description - *optional* Info
Custom	Add CIDR, prefix list or security: 25.0.0.0/16	e.g. SSH for admin desktop

⚠ 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 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

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Transit Gateway route tables | VI × | Instance details | EC2 | ap-south ×

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#InstanceDetails:instanceId=i-0100a7f6508dc

aws | Services | Search [Alt+S] | Mumbai | Sharon@123

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

EC2 > Instances > i-0100a7f6508dca912

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

Updated less than a minute ago

Connect | Instance state | Actions

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

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Launch an instance | EC2 | us-w
us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#LaunchInstances:
Gmail
YouTube
Maps
aws
Services
Search
[Alt+S]
N. California
alekhya
EC2 > Instances > Launch an instance
Launch an instance Info
Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.
Name and tags Info
Name
ec1
Add additional tags
Application and OS Images (Amazon Machine Image) Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Quick Start
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.3.2...read more
ami-07619059e86eaaaa2
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which
Cancel
Launch instance
Review commands
CloudShell
Feedback
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Type here to search
30°C Sunny
ENG
12:24
27-02-2024

Launch an instance | EC2 | us-w
us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#LaunchInstances:
Gmail
YouTube
Maps
aws
Services
Search
[Alt+S]
N. California
alekhya
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
nani
Create new key pair
Network settings Info
VPC - required Info
vpc-0247da48be606ede2 (default)
172.31.0.0/16
Subnet Info
No preference
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.
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.3.2...read more
ami-07619059e86eaaaa2
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which
Cancel
Launch instance
Review commands
CloudShell
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ENG
12:25
27-02-2024

Launch an instance | EC2 | us-w

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

Gmail YouTube Maps

aws Services Search [Alt+S] N. California alekhya

EC2 > Instances > Launch an instance

Success
Successfully initiated launch of instance (i-0c1ecaffd58a6b652)

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

Learn more

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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Launch an instance | EC2 | us-w Connect to instance | EC2 | us-w

us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#ConnectToInstance:instanceId=i-0c1ecaffd58a6b652

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Connect to your instance i-0c1ecaffd58a6b652 (ec1) using any of these options

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console

Instance ID
i-0c1ecaffd58a6b652 (ec1)

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
54.177.52.225

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

CloudShell Feedback

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Type here to search 30°C Sunny ENG 12:25 27-02-2024

```
        _/ _/
      _/m/'
[ec2-user@ip-22-0-1-130 ~]$ sudo -i
[root@ip-22-0-1-130 ~]# curl 32.0.24.173:80
<!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-22-0-1-130 ~]#
```

i-0d8ca7baa382abcaf (ec1)

PublicIPs: 54.67.59.153 PrivateIPs: 22.0.1.130

```
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing        :                                                                                    1/1
  Running scriptlet: nginx-filesystem-1:1.24.0-1.amzn2023.0.2.noarch                                    1/7
  Installing       : nginx-filesystem-1:1.24.0-1.amzn2023.0.2.noarch                                    1/7
  Installing       : nginx-mimetypes-2.1.49-3.amzn2023.0.3.noarch                                       2/7
  Installing       : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch                                  3/7
  Installing       : libunwind-1.4.0-5.amzn2023.0.2.x86_64                                              4/7
  Installing       : gperftools-libs-2.9.1-1.amzn2023.0.3.x86_64                                        5/7
  Installing       : nginx-core-1:1.24.0-1.amzn2023.0.2.x86_64                                          6/7
  Installing       : nginx-1:1.24.0-1.amzn2023.0.2.x86_64                                               7/7
  Running scriptlet: nginx-1:1.24.0-1.amzn2023.0.2.x86_64                                               7/7
  Verifying        : nginx-1:1.24.0-1.amzn2023.0.2.x86_64                                               1/7
  Verifying        : gperftools-libs-2.9.1-1.amzn2023.0.3.x86_64                                        2/7
  Verifying        : libunwind-1.4.0-5.amzn2023.0.2.x86_64                                              3/7
  Verifying        : nginx-core-1:1.24.0-1.amzn2023.0.2.x86_64                                          4/7
  Verifying        : nginx-mimetypes-2.1.49-3.amzn2023.0.3.noarch                                       5/7
  Verifying        : nginx-filesystem-1:1.24.0-1.amzn2023.0.2.noarch                                    6/7
  Verifying        : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch                                  7/7

Installed:
  generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch          gperftools-libs-2.9.1-1.amzn2023.0.3.x86_64          libunwind-1.4.0-5.amzn2023.0.2.x86_64
  nginx-1:1.24.0-1.amzn2023.0.2.x86_64                       nginx-core-1:1.24.0-1.amzn2023.0.2.x86_64            nginx-filesystem-1:1.24.0-1.amzn2023.0.2.noarch
  nginx-mimetypes-2.1.49-3.amzn2023.0.3.noarch

Complete!
[root@ip-32-0-24-173 ~]# sss
```

i-018d119dd1ec9e84d (ec1-sh)

PublicIPs: 54.183.195.169 PrivateIPs: 32.0.24.173

```
[root@ip-32-0-24-173 ~]# curl 32.0.24.173:80
curl: (7) Failed to connect to 32.0.24.173 port 80 after 0 ms: Couldn't connect to server
[root@ip-32-0-24-173 ~]# systemctl start nginx
[root@ip-32-0-24-173 ~]# curl 32.0.24.173:80
<!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-32-0-24-173 ~]#
```

i-018d119dd1ec9e84d (ec1-sh)

PublicIPs: 54.183.195.169 PrivateIPs: 32.0.24.173


```
[root@ip-32-0-24-173 ~]# curl 32.0.24.173:80
curl: (7) Failed to connect to 32.0.24.173 port 80 after 0 ms: Couldn't connect to server
[root@ip-32-0-24-173 ~]# systemctl start nginx
[root@ip-32-0-24-173 ~]# curl 32.0.24.173:80
<!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; }
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<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-32-0-24-173 ~]#
```

i-018d119dd1ec9e84d (ec1-sh)

PublicIPs: 54.183.195.169 PrivateIPs: 32.0.24.173