

Virtual Private Cloud (Amazon VPC)

By default, AWS on Default services in new portal check all list

Click your VPC check automatic Default one VPC create AWS

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP opt.
D-VPC	vpc-0c930c8f6492bbf6c	Available	172.31.0.0/16	-	dopt-03

Default AZ-Subnet create to AWS

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
D-SUB-AZ3-D-VCP	subnet-0a5b4401101513928	Available	vpc-041ce12f0191275c8 D-V...	172.31.0.0/20	-
D-SUB-AZ2-D-VCP	subnet-0ab509367b8610d35	Available	vpc-041ce12f0191275c8 D-V...	172.31.16.0/20	-
D-SUB-AZ1-D-VCP	subnet-0a7f754e1b8ae6022	Available	vpc-041ce12f0191275c8 D-V...	172.31.32.0/20	-

Automatic create Default Route Table create AWS

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Own...
D-ROUTE-D-VCP	rtb-00dd455a98ad21a4a	-	-	Yes	vpc-041ce12f0191275c8 D-V...	6592

Two networks configure automatic Default create AWS

Destination	Target	Status	Propagated
172.31.0.0/16	local	Active	No
0.0.0.0/0	igw-08e15a6955d80232f	Active	No

Default IGW create AWS

Name	Internet gateway ID	State	VPC ID	Owner
D-IGW-D-VCP	igw-08e15a6955d80232f	Attached	vpc-041ce12f0191275c8 D-VPC	659202326636

Virtual Private Cloud (Amazon VPC)

Default NACLs create AWS

The screenshot shows the AWS Network ACLs list. There is one item: D-NACL-D-VCP, which is associated with 3 Subnets and is set to Default. It is associated with VPC ID vpc-041ce12f0191275c8.

Name	Network ACL ID	Associated with	Default	VPC ID
D-NACL-D-VCP	acl-0406d5cab665115ec	3 Subnets	Yes	vpc-041ce12f0191275c8 / D-VPC

Default NACLs Inbound rules create AWS

The screenshot shows the Inbound rules for the network ACL acl-0406d5cab665115ec. There are two rules: Rule number 100 allows all traffic from 0.0.0.0/0, and a catch-all rule * denies all traffic from 0.0.0.0/0.

Rule number	Type	Protocol	Port range	Source	Allow/Deny
100	All traffic	All	All	0.0.0.0/0	Allow
*	All traffic	All	All	0.0.0.0/0	Deny

Default NACLs Outbound rules create AWS

The screenshot shows the Outbound rules for the network ACL acl-0406d5cab665115ec. There are two rules: Rule number 100 allows all traffic to 0.0.0.0/0, and a catch-all rule * denies all traffic to 0.0.0.0/0.

Rule number	Type	Protocol	Port range	Destination	Allow/Deny
100	All traffic	All	All	0.0.0.0/0	Allow
*	All traffic	All	All	0.0.0.0/0	Deny

Default NACLs Subnet Associations rules create AWS

The screenshot shows the Subnet associations for the network ACL acl-0406d5cab665115ec. Three subnets are associated with it: D-SUB-AZ2-D-VCP, D-SUB-AZ3-D-VCP, and D-SUB-AZ1-D-VCP. Each association is with an availability zone (ap-south-1c, ap-south-1b, ap-south-1a) and specific IPv4 and IPv6 CIDR ranges.

Name	Subnet ID	Associated with	Availability Zone	IPv4 CIDR	IPv6 CIDR
D-SUB-AZ2-D-VCP	subnet-0ab90367b8610d35	acl-0406d5cab665115ec / D-NACL-D-VCP	ap-south-1c	172.31.16.0/20	-
D-SUB-AZ3-D-VCP	subnet-0a5b4401101513928	acl-0406d5cab665115ec / D-NACL-D-VCP	ap-south-1b	172.31.0.0/20	-
D-SUB-AZ1-D-VCP	subnet-0a7f754e1b8aeb022	acl-0406d5cab665115ec / D-NACL-D-VCP	ap-south-1a	172.31.32.0/20	-

Default Security Group create AWS

The screenshot shows the Security Groups list. There is one security group: D-SG-D-VCP, which is associated with the default VPC and has the owner 659202326636.

Name	Security group ID	Security group name	VPC ID	Description	Owner
D-SG-D-VCP	sg-0fa9b771d5c6bf80f	default	vpc-041ce12f0191275c8	default VPC security gr...	659202326636

Default Security Group Inbound rules create AWS

The screenshot shows the Inbound rules for the security group D-SG-D-VCP. There is one rule: D-SG-D-VCP, which allows all traffic from all IP versions.

Name	Security group rule...	IP version	Type	Protocol	Port range
D-SG-D-VCP	sgr-05171a32f84cbc880	-	All traffic	All	All

Virtual Private Cloud (Amazon VPC)

Default Security Group Outbound rules create AWS

Name	Security group rule...	IP version	Type	Protocol	Port range
D-SG-D-VCP	sgr-07cdd13c700f7508f	IPv4	All traffic	All	All

How to delete Default VPC and after delete VPC which service auto delete

Select Default VPC → select Actions → click Delete VPC

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
D-VPC	vpc-041ce12f0191275c8	Available	172.31.0.0/16	-

Check mark acknowledge and type delete default vpc → delete

Will also be deleted
The following 4 resources will also be deleted permanently and cannot be recovered later:

Name	Resource ID	State
D-IGW-D-VCP	igw-08e15a6955d80232f	Available
D-SUB-AZ1-D-VCP	subnet-0a7f754e1b8ae022	Available
D-SUB-AZ2-D-VCP	subnet-0ab509367b8610d35	Available
D-SUB-AZ3-D-VCP	subnet-0a5b4401101513928	Available

⚠ Warning: If you delete this default VPC, you can't launch instances in this Region unless you specify a subnet in another VPC or create a new default VPC.

acknowledge that I want to delete my default VPC.

To confirm deletion, type delete default vpc in the field:

All service default deletes after delete default VPC

Deleting internet gateways... 46%

Details

- Validating resources to delete...
- Detaching internet gateways...
- Revoking security group rules...
- Deleting VPC endpoints...
- Deleting security groups...
- Deleting egress only internet gateways...
- Deleting internet gateways...
- Deleting network interfaces...
- Deleting subnets...
- Deleting network ACLs...
- Deleting route tables...
- Deleting VPC...
- Waiting for VPC endpoints to be deleted...

Virtual Private Cloud (Amazon VPC)

Successfully delete

You successfully deleted **vpc-041ce12f0191275c8 / D-VPC** and 4 other resources.

Your VPCs Info

Filter VPCs

Name VPC ID State IPv4 CIDR IPv6 CIDR DHCP Options Subnets Route Tables Internet Gateways Egress-only Internet Gateways DHCP Option Sets Elastic IPs

No VPCs found in this Region

How to create default VPC

Click Actions option → create default vpc option select

Your VPCs Info

Filter VPCs

Name VPC ID State IPv4 CIDR IPv6 CIDR

Actions ▲

- Create default VPC
- Create flow log
- Edit CIDs
- Edit DHCP options set
- Edit DNS hostnames

Click to create default vpc option

Create default VPC Info

Default VPC

A default VPC enables you to launch Amazon EC2 resources without having to create and configure your own VPC and subnets. We'll create a default VPC with a default subnet in each Availability Zone, an internet gateway, and a route table with a route to the internet gateway.

Cancel

Create default VPC

Create successfully default VPC

Your VPCs (1/1) Info

Filter VPCs

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP Options	Subnets	Route Tables	Internet Gateways	Egress-only Internet Gateways
D-VPC	vpc-00d5087c078051c0e	Available	172.31.0.0/16	-	dopt-0000000000000000				

Virtual Private Cloud (Amazon VPC)

If create custom VPC how many services create automatic

Select Create custom VPC

Your VPCs (1/1) [Info](#)

Filter VPCs

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP
D-VPC	vpc-00d5087c078051c0e	Available	172.31.0.0/16	-	opted-out

Insert name

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.

C-VPC

Insert ip

IPv4 CIDR block [Info](#)

IPv4 CIDR manual input IPAM-allocated IPv4 CIDR block

IPv4 CIDR

172.32.0.0/16

IPv6 CIDR block [Info](#)

No IPv6 CIDR block IPAM-allocated IPv6 CIDR block Amazon-provided IPv6 CIDR block

Select Tenancy

Tenancy [Info](#)

Default

Default

Dedicated

Add tags and create vpc option

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 Remove

Add new tag

You can add 49 more tags.

Cancel [Create VPC](#)

Virtual Private Cloud (Amazon VPC)

Successfully create VPC

You successfully created `vpc-08ff429ed9ac26f68`

Your VPCs (1/2) [Info](#)

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP
C-VPC	<code>vpc-08ff429ed9ac26f68</code>	Available	172.32.0.0/16	-	dopt-0
D-VPC	<code>vpc-00d5087c078051c0e</code>	Available	172.31.0.0/16	-	dopt-0

Check which service on by default

Not Automatic create any subnet in custom VPC

Subnets (3) [Info](#)

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
D-SUB-AZ1-D-VPC	<code>subnet-090d7477f701173cd</code>	Available	<code>vpc-00d5087c078051c0e D...</code>	172.31.32.0/20	-
D-SUB-AZ3-D-VPC	<code>subnet-0c47e5b8ea67f667c</code>	Available	<code>vpc-00d5087c078051c0e D...</code>	172.31.0.0/20	-
D-SUB-AZ2-D-VPC	<code>subnet-0e53bc8293161e597</code>	Available	<code>vpc-00d5087c078051c0e D...</code>	172.31.16.0/20	-

Automatic Create Route table in custom VPC

Route tables (1/2) [Info](#)

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Ow...
D-RROUTE-D-VPC	<code>rtb-0e3dc588c8b800e79</code>	-	-	Yes	<code>vpc-00d5087c078051c0e D...</code>	6592
D-ROUTE-C-VPC	<code>rtb-0bca47651d2231c74</code>	-	-	Yes	<code>vpc-08ff429ed9ac26f68 C-VPC</code>	6592

Only one networks configure automatic in custom VPC

Routes (1) [Edit routes](#)

Destination	Target	Status	Propagated
172.32.0.0/16	local	Active	No

Not Automatic Create IGW in custom VPC

Internet gateways (1/1) [Info](#)

Name	Internet gateway ID	State	VPC ID	Owner
D-GTW-D-VPC	<code>igw-08ea8de664ea441d9</code>	Attached	<code>vpc-00d5087c078051c0e D-VPC</code>	659202326636

Virtual Private Cloud (Amazon VPC)

Automatic Create NACLs in custom VPC

Network ACLs (1/2) Info						
Create network ACL						
Filter network ACLs						
Name	Network ACL ID	Associated with	Default	VPC ID		
<input checked="" type="checkbox"/> D-NACL-C-VPC	acl-0454a57ea5fab276c	–	Yes	vpc-08ff429ed9ac26f68 / C-VPC	2	Edit
<input type="checkbox"/> D-NACL-D-VPC	acl-0d4426d236fb742df	3 Subnets	Yes	vpc-00d5087c078051c0e / D-VPC	2	Edit

Automatic Create NACLs Inbound rule in custom VPC

Inbound rules (2)						
Edit inbound rules						
Filter inbound rules						
Rule number	Type	Protocol	Port range	Source	Allow/Deny	
100	All traffic	All	All	0.0.0.0/0	Allow	Edit
*	All traffic	All	All	0.0.0.0/0	Deny	Edit

Automatic Create NACLs Outbound rule in custom VPC

Outbound rules (2)						
Edit outbound rules						
Filter outbound rules						
Rule number	Type	Protocol	Port range	Destination	Allow/Deny	
100	All traffic	All	All	0.0.0.0/0	Allow	Edit
*	All traffic	All	All	0.0.0.0/0	Deny	Edit

Automatic Create SG in custom VPC

Security Groups (1/2) Info						
Create security group						
Filter security groups						
Name	Security group ID	Security group name	VPC ID	Description	Owner	
<input type="checkbox"/> D-SG-D-VPC	sg-007a83561e3024323	default	vpc-00d5087c078051c0e	default VPC security gr...	659202326636	Edit
<input checked="" type="checkbox"/> D-SG-C-VPC	sg-01c1b34793707c502	default	vpc-08ff429ed9ac26f68	default VPC security gr...	659202326636	Edit

Automatic Create SG Inbound rule in custom VPC

Inbound rules (1/1)						
Edit inbound rules						
Filter security group rules						
Name	Security group rule...	IP version	Type	Protocol	Port range	
<input checked="" type="checkbox"/> D-SG-C-VPC	sgr-0179e31a09c612ee7	–	All traffic	All	All	Edit

Automatic Create SG Outbound rule in custom VPC

Outbound rules (1/1)						
Edit outbound rules						
Filter security group rules						
Name	Security group rule...	IP version	Type	Protocol	Port range	
<input checked="" type="checkbox"/> D-SG-C-VPC	sgr-02ca5ca91fc2125ad	IPv4	All traffic	All	All	Edit

Virtual Private Cloud (Amazon VPC)

Check CIDR rules its True or not

Only create CIDR /16 to CIDR /28 IP assign in VPC check its true or not

If create 172.35.0.0/15 its possible created or not?

VPC only VPC and more

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

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

IPv4 CIDR

IPv6 CIDR block [Info](#)
 No IPv6 CIDR block
 IPAM-allocated IPv6 CIDR block
 Amazon-provided IPv6 CIDR block
 IPv6 CIDR owned by me

Output check not possibly create

testing

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

IPv4 CIDR

⚠ Must be a valid IPv4 CIDR.

IPv6 CIDR block [Info](#)
 No IPv6 CIDR block

If create 172.35.0.0/29 its possible created or not?

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

IPv4 CIDR

⚠ Block sizes must be between a /16 netmask and /28 netmask.

IPv6 CIDR block [Info](#)

Virtual Private Cloud (Amazon VPC)

Try to give overlap CIDR inside VPC and see what you will get

First, I check already created VPC

Your VPCs (2) Info						
	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP
<input type="checkbox"/>	C-VPC	vpc-08ff429ed9ac26f8	Available	172.32.0.0/16	-	dopt-0
<input type="checkbox"/>	D-VPC	vpc-00d5087c078051c0e	Available	172.31.0.0/16	-	dopt-0

Okay, then after create 172.32.0.0/24 than check result

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

testing

IPv4 CIDR block [Info](#)

- IPv4 CIDR manual input
- IPAM-allocated IPv4 CIDR block

IPv4 CIDR

172.32.0.0/24

Check result not create overlap CIDR

IPv4 CIDR block [Info](#)

- IPv4 CIDR manual input
- IPAM-allocated IPv4 CIDR block

IPv4 CIDR

172.32.0.0/24

⚠ Must be a valid IPv4 CIDR.

Also check default CIDR

IPv4 CIDR block [Info](#)

- IPv4 CIDR manual input
- IPAM-allocated IPv4 CIDR block

IPv4 CIDR

172.31.0.0/24

⚠ Must be a valid IPv4 CIDR.

Virtual Private Cloud (Amazon VPC)

Can I create same AZ to multiple subnet?

Check all subnet and check AZ

Subnets (3) Info							Actions ▾	Create subnet
<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR		
<input type="checkbox"/>	D-SUB-AZ1-D-VPC	subnet-090d7477f701173cd	Available	vpc-00d5087c078051c0e D...	172.31.32.0/20	-		
<input type="checkbox"/>	D-SUB-AZ3-D-VPC	subnet-0c47e3b8ea67f667c	Available	vpc-00d5087c078051c0e D...	172.31.0.0/20	-		
<input type="checkbox"/>	D-SUB-AZ2-D-VPC	subnet-0e53bc8293161e597	Available	vpc-00d5087c078051c0e D...	172.31.16.0/20	-		

Create AZ1 its already created subnet but try to same AZ to assign multi subnet to Default VPC check its possible or not?

Select default VPC

Create subnet [Info](#)

VPC

VPC ID

Create subnets in this VPC.

vpc-00d5087c078051c0e (D-VPC)

Associated VPC CIDRs

IPv4 CIDRs

172.31.0.0/16

Configure AZ1 to subnet

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.

C-SUB-AZ1-D-VPC

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.

Asia Pacific (Mumbai) / ap-south-1a

IPv4 CIDR block [Info](#)

172.31.48.0/20

Virtual Private Cloud (Amazon VPC)

Add Tag and create subnet

Tags - optional

Key	Value - optional
muti AZ1 subnet	C-SUB-AZ1-D-VPC

Add new tag Remove You can add 49 more tags.

Remove Add new subnet

Cancel Create subnet

OUTPUT successfully create one AZ to multiple subnets created

You have successfully created 1 subnet: subnet-0b532e1c29279307b

Subnets (1/4) Info							Actions	Create subnet
Filter subnets								
Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR			
<input checked="" type="checkbox"/> C-SUB-AZ1-D-VPC	subnet-0b532e1c29279307b	<input checked="" type="radio"/> Available	vpc-00d5087c078051c0e D...	172.31.48.0/20	-			
<input type="checkbox"/> D-SUB-AZ1-D-VPC	subnet-090d7477f701173cd	<input checked="" type="radio"/> Available	vpc-00d5087c078051c0e D...	172.31.32.0/20	-			
<input type="checkbox"/> D-SUB-AZ3-D-VPC	subnet-0c47e3b8ea67f667c	<input checked="" type="radio"/> Available	vpc-00d5087c078051c0e D...	172.31.0.0/20	-			
<input type="checkbox"/> D-SUB-AZ2-D-VPC	subnet-0e53bc8293161e597	<input checked="" type="radio"/> Available	vpc-00d5087c078051c0e D...	172.31.16.0/20	-			

Create AZ1 its already created subnet but try to same AZ to assign multi subnet to CUSTOM VPC check its possible or not?

Select Custom VPC

Create subnet [Info](#)

VPC

VPC ID
Create subnets in this VPC.
vpc-08ff429ed9ac26f68 (C-VPC)

Associated VPC CIDRs
IPv4 CIDRs
172.32.0.0/16

Configure AZ2 to subnet

Subnet 1 of 1

Subnet name

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

C-SUB-AZ2-C-VPC

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.

Asia Pacific (Mumbai) / ap-south-1c

IPv4 CIDR block [Info](#)

172.32.16.0/20

Virtual Private Cloud (Amazon VPC)

Check output

You have successfully created 1 subnet: subnet-0a6d226d34753f8a9

Subnets (5) Info								
	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Actions	Create subnet
<input type="checkbox"/>	C-SUB-AZ1-D-VPC	subnet-0b532e1c29279307b	Available	vpc-00d5087c078051c0e D-VPC	172.31.48.0/20	-	Edit	Create subnet
<input type="checkbox"/>	C-SUB-AZ2-C-VPC	subnet-0a6d226d34753f8a9	Available	vpc-08ff429ed9ac26f68 C-VPC	172.32.16.0/20	-	Edit	Create subnet
<input type="checkbox"/>	D-SUB-AZ1-D-VPC	subnet-090d7477ff701173cd	Available	vpc-00d5087c078051c0e D-VPC	172.31.32.0/20	-	Edit	Create subnet
<input type="checkbox"/>	D-SUB-AZ3-D-VPC	subnet-0c47e3b8ea67f667c	Available	vpc-00d5087c078051c0e D-VPC	172.31.0.0/20	-	Edit	Create subnet
<input type="checkbox"/>	D-SUB-AZ2-D-VPC	subnet-0e53bc8293161e597	Available	vpc-00d5087c078051c0e D-VPC	172.31.16.0/20	-	Edit	Create subnet

If remove IGW than after which service change automatic

First check which services used IGW used

Check route table default VPC service

Routes (2)				
Edit routes				
Destination	Target	Status	Propagated	
172.31.0.0/16	local	Active	No	Edit
0.0.0.0/0	igw-08ea8de664ea441d9	Active	No	Edit

Detached IGW

Internet gateways (1/1) Info					
Actions Create internet gateway					
View details Attach to VPC Detach from VPC Manage tags Delete internet gateway					
<input checked="" type="checkbox"/>	Name	Internet gateway ID	Status	VPC ID	
<input checked="" type="checkbox"/>	D-GTW-D-VPC	igw-08ea8de664ea441d9	Attached	vpc-00d5087c078051c0e D-VPC	Edit

Detach internet gateway

Detach from VPC

Are you sure that you want to detach internet gateway igw-08ea8de664ea441d9 (D-GTW-D-VPC) from VPC vpc-00d5087c078051c0e?

If you detach the internet gateway, resources in the VPC cannot communicate with the internet.

[Cancel](#)

[Detach internet gateway](#)

Virtual Private Cloud (Amazon VPC)

Successfully detached IGW

Internet gateways (1/1) Info					
Actions Create internet gateway					
<input type="text"/> Filter internet gateways					
Name	Internet gateway ID	State	VPC ID	Owner	
D-GTW-D-VPC	igw-08ea8de664ea441d9	Detached	-	659202326636	

Check Route table let's see what happened any changes or not

Routes (2) Edit routes					
<input type="text"/> Filter routes					
Destination	Target	Status	Propagated		
172.31.0.0/16	local	Active	No		
0.0.0.0/0	igw-08ea8de664ea441d9	Blackhole	No		

Okay then assign IGW to custom VPC

Internet gateways (1/1) Info					
Actions Create internet gateway					
Name	Internet gateway ID	State	VPC ID	Owner	
D-GTW-D-VPC	igw-08ea8de664ea441d9	Detached	-	659202326636	
View details Attach to VPC Detach from VPC Manage tags Delete internet gateway					

Select custom VPC

Attach to VPC (igw-08ea8de664ea441d9) [Info](#)

VPC
Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs
Attach the internet gateway to this VPC.

Select a VPC

vpc-08ff429ed9ac26f68 - C-VPC
vpc-00d5087c078051c0e - D-VPC

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

Click to attached IGW

Available VPCs
Attach the internet gateway to this VPC.

vpc-08ff429ed9ac26f68

▶ AWS Command Line Interface command

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

Virtual Private Cloud (Amazon VPC)

SUCCESSFULLY ATTACHED AND CHANGE VPC

Internet gateways (1/1) Info					
Actions Create internet gateway					
Filter internet gateways					
Name	Internet gateway ID	State	VPC ID	Owner	
D-GTW-D-VPC	igw-08ea8de664ea441d9	Attached	vpc-08ff429ed9ac26f68 C-VPC	659202326636	

Check Route table custom VPC not auto add IGW

Routes (1)					
Edit routes					
Filter routes					
Destination	Target	Status	Propagated		
172.32.0.0/16	local	Active	No		

Click Edit Routes

Routes (1)					
Edit routes					
Filter routes					
Destination	Target	Status	Propagated		
172.32.0.0/16	local	Active	No		

Click add route

Edit routes					
Destination	Target	Status	Propagated		
172.32.0.0/16	local	Active	No		
<input type="text"/>	<input type="text"/>	-	No	Remove	
Add route					

Insert IGW and save changes

Edit routes					
Destination	Target	Status	Propagated		
172.32.0.0/16	local	Active	No		
<input type="text"/> 0.0.0.0/0	<input type="text"/> igw-08ea8de664ea441d9	-	No	Remove	
Add route					
				Cancel	Preview Save changes

Let's see successfully add custom VPC in IGW

Routes (2)					
Edit routes					
Filter routes					
Destination	Target	Status	Propagated		
172.32.0.0/16	local	Active	No		
0.0.0.0/0	igw-08ea8de664ea441d9	Active	No		

Virtual Private Cloud (Amazon VPC)

Create route table

Click Create route table

Route tables (2) <small>Info</small>							
	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Ow...
<input type="checkbox"/>	D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	-	-	Yes	vpc-00d5087c078051c0e D...	6592
<input type="checkbox"/>	D-ROUTE-C-VPC	rtb-0bca47651d2231c74	-	-	Yes	vpc-08ff429ed9ac26f68 C-VPC	6592

Create custom route default VPC

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.

C-ROUTE-D-VPC

VPC

The VPC to use for this route table.

vpc-00d5087c078051c0e (D-VPC)

Add Tag and create

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

CUSTOM ROUTE

Value - optional

C-ROUTE-D-VPC

Remove

Add new tag

You can add 49 more tags.

Cancel

Create route table

Create successfully

Route table rtb-07f8b88c3f21ece87 was created successfully.

Route tables (3) Info

Route tables (3) <small>Info</small>							
	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Ow...
<input type="checkbox"/>	D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	-	-	Yes	vpc-00d5087c078051c0e D...	6592
<input checked="" type="checkbox"/>	C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	-	No	vpc-00d5087c078051c0e D...	6592
<input type="checkbox"/>	D-ROUTE-C-VPC	rtb-0bca47651d2231c74	-	-	Yes	vpc-08ff429ed9ac26f68 C-VPC	6592

Virtual Private Cloud (Amazon VPC)

Can delete default main?

Yes, but first you can change main configuration than after delete default route table.

Let's check without change main in default route table delete or not?

Click to delete route table

The screenshot shows the AWS Route Tables list. A route table named 'D-ROUTE-D-VPC' is selected and highlighted with a red box. In the 'Actions' column, the 'Delete route table' option is also highlighted with a red box.

Name	Route table ID	Explicit subnet associations	Edge associations	Main
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	-	-	Yes
C-ROUTE-C-VPC	rtb-00cb2814928411e7d	-	-	No
C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	-	No
D-ROUTE-C-VPC	rtb-0bca47651d2231c74	-	-	Yes

Can't access delete option without change main

The screenshot shows a confirmation dialog titled 'Delete route tables'. It displays a warning message: '⚠ Route tables are main and cannot be deleted' and lists the main route table 'D-ROUTE-D-VPC'. At the bottom, there are 'Cancel' and 'Delete' buttons, with 'Delete' highlighted with a red box.

Right click to another default vpc route table and click set main

The screenshot shows the AWS Route Tables list. A route table named 'C-ROUTE-D-VPC' is selected and highlighted with a red box. In the 'Actions' column, the 'Set main route table' option is highlighted with a red box.

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	-	-	Yes	vpc-00d5087c078051c0e
C-ROUTE-C-VPC	rtb-00cb2814928411e7d	-	-	No	vpc-08ff429ed9ac26f68
C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	-	No	vpc-00d5087c078051c0e
D-ROUTE-C-VPC	rtb-0bca47651d2231c74	-	-	Yes	f68

Insert set and click ok

The screenshot shows a confirmation dialog titled 'Set main route table'. It contains a message about setting the main route table and a list of route tables. Below is a text input field with 'set' typed into it, and 'OK' is highlighted with a red box.

Virtual Private Cloud (Amazon VPC)

Successfully change main and automatic change default vpc status

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Ow...
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	-	-	No	vpc-00d5087c078051c0e D...	6592
C-ROUTE-C-VPC	rtb-00cb2814928411e7d	-	-	No	vpc-08ff429ed9ac26f68 C-VPC	6592
C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	-	Yes	vpc-00d5087c078051c0e D...	6592
D-ROUTE-C-VPC	rtb-0bca47651d2231c74	-	-	Yes	vpc-08ff429ed9ac26f68 C-VPC	6592

Then after try to delete route table

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	Actions	Create route table
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	-	-	No	View details	
C-ROUTE-C-VPC	rtb-00cb2814928411e7d	-	-	No	Set main route table	
C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	-	Yes	Edit subnet associations	
D-ROUTE-C-VPC	rtb-0bca47651d2231c74	-	-	Yes	Edit edge associations	

Let's see enable to access delete option

The following route tables will be deleted permanently and can't be recovered later.

Name	Route table ID	VPC ID
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	vpc-00d5087c078051c0e

To confirm deletion, type *delete* in the field:

Cancel Delete

Virtual Private Cloud (Amazon VPC)

Create new IGW and attached new VPC

Select Create IGW

Internet gateways (1) Info						
<input type="button" value="Actions"/> Create internet gateway ?						
Name	Internet gateway ID	State	VPC ID	Owner		
D-GTW-D-VPC	igw-08ea8de664ea441d9	Attached	vpc-08ff429ed9ac26f68 C-VPC	659202326636		

Insert name

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.

C-IGW-D-VPC

Add tag and click create

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

[X](#)

Value - optional

[X](#)

[Remove](#)

[Add new tag](#)

You can add 49 more tags.

Create IGW successfully but status was detached

The following internet gateway was created: igw-06ee29cd7526ee1b9 - C-IGW-D-VPC. You can now attach to a VPC to enable the VPC to communicate with the internet.

[Attach to a VPC](#)

Internet gateways (2) Info						
<input type="button" value="Actions"/> Create internet gateway ?						
Name	Internet gateway ID	State	VPC ID	Owner		
C-IGW-D-VPC	igw-06ee29cd7526ee1b9	Detached	-	659202326636		
D-GTW-D-VPC	igw-08ea8de664ea441d9	Attached	vpc-08ff429ed9ac26f68 C-VPC	659202326636		

Select to attach to vpc option

Internet gateways (1/2) [Info](#)

Name Internet gateway ID State VPC ID

C-IGW-D-VPC Detached -

<input type="button" value="Actions"/> Create internet gateway	
View details	?
Attach to VPC	Detach from VPC
Manage tags	?
	36

Virtual Private Cloud (Amazon VPC)

Select vpc and attach IGW click

Attach to VPC (igw-06ee29cd7526ee1b9) [Info](#)

VPC

Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs

Attach the internet gateway to this VPC.

 vpc-00d5087c078051c0e X

▶ AWS Command Line Interface command

Cancel

Attach internet gateway

Attached successfully

Internet gateway igw-06ee29cd7526ee1b9 successfully attached to vpc-00d5087c078051c0e

X

Internet gateways (2) [Info](#)

C

Actions ▾

Create internet gateway

Filter internet gateways

< 1 > ⌂

Name	Internet gateway ID	State	VPC ID	Owner
C-IGW-D-VPC	igw-06ee29cd7526ee1b9	Attached	vpc-00d5087c078051c0e D-VPC	659202326636
D-GTW-D-VPC	igw-08ea8de664ea441d9	Attached	vpc-08ff429ed9ac26f68 C-VPC	659202326636

Then check Default vpc route

New VPC Experience
Tell us what you think X

VPC dashboard

EC2 Global View New

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

Route tables (1/4) [Info](#)

C

Actions ▾

Create route table

Filter route tables

< 1 > ⌂

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC	Owner
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	-	-	No	vpc-00d5087c078051c0e D-VPC	659202326636
C-ROUTE-C-VPC	rtb-00fb20103011107d	-	-	No	vpc-0aff429ed9ac26f68 C-VPC	659202326636

rtb-0e3dc588c8b800e79 / D-ROUTE-D-VPC

Details Routes Subnet associations Edge associations Route propagation Tags

Routes (2)

Edit routes

Filter routes

Both

< 1 > ⌂

Destination	Target	Status	Propagated
172.31.0.0/16	local	Active	No
0.0.0.0/0	igw-06ee29cd7526ee1b9	Active	No

Virtual Private Cloud (Amazon VPC)

If I create a new NACLs, then what permission will be given to the new NACLs by default?

Create new NACLs in Default VPC

Name	Network ACL ID	Associated with	Default	VPC ID
D-NACL-C-VPC	acl-0454a57ea5fab276c	subnet-0a6d226d34753f8a9 / C-SUB-AZ2-C-V...	Yes	vpc-08ff429ed9ac26f68 / C-VPC
D-NACL-D-VPC	acl-0d4426d236fb742df	4 Subnets	Yes	vpc-00d5087c078051c0e / D-VPC

Insert Name and select default VPC

Create network ACL Info

A network ACL is an optional layer of security that acts as a firewall for controlling traffic in and out of a subnet.

Network ACL settings

Name - *optional*

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

C-NACLs-D-VPC

VPC

VPC to use for this network ACL.

vpc-00d5087c078051c0e (D-VPC)

Create Tag and click to create

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*

C-NACLs-D-VPC

Remove

Add new tag

You can add 49 more tags.

Cancel

Create network ACL

Successfully create

⌚ You successfully created acl-051dc69e0317d6695 / C-NACLs-D-VPC.

Network ACLs (3) Info

Filter network ACLs

Name	Network ACL ID	Associated with	Default	VPC ID
D-NACL-C-VPC	acl-0454a57ea5fab276c	subnet-0a6d226d34753f8a9 / C-SUB-AZ2-C-V...	Yes	vpc-08ff429ed9ac26f68 / C-VPC
D-NACL-D-VPC	acl-0d4426d236fb742df	4 Subnets	Yes	vpc-00d5087c078051c0e / D-VPC
C-NACLs-D-VPC	acl-051dc69e0317d66...	-	No	vpc-00d5087c078051c0e / D-VPC

Virtual Private Cloud (Amazon VPC)

Check inbound rules what permission given by default

Inbound rules (1)							Edit inbound rules
<input type="text" value="Filter inbound rules"/> < 1 > 							
Rule number	Type	Protocol	Port range	Source	Allow/Deny		
*	All traffic	All	All	0.0.0.0/0	Deny		

Check outbound rules what permission given by default

Outbound rules (1)							Edit outbound rules
<input type="text" value="Filter outbound rules"/> < 1 > 							
Rule number	Type	Protocol	Port range	Destination	Allow/Deny		
*	All traffic	All	All	0.0.0.0/0	Deny		

Create new NACLs in Custom VPC

You successfully created acl-06bc61dc96648b8af / C-NACL-C-VPC.

Network ACLs (1/4) Info							Actions Create network ACL
<input type="text" value="Filter network ACLs"/> < 1 > 							
-	Name	Network ACL ID	Associated with	Default	VPC ID	IP	
<input type="checkbox"/>	D-NACL-C-VPC	acl-0454a57ea5fab276c	subnet-0a6d226d34753f8a9 / C-SUB-AZ2-C-V...	Yes	vpc-08ff429ed9ac26f68 / C-VPC	2	
<input type="checkbox"/>	D-NACL-D-VPC	acl-0d4426d236fb742df	4 Subnets	Yes	vpc-00d5087c078051c0e / D-VPC	2	
<input type="checkbox"/>	C-NACL-C-VPC	acl-06bc61dc96648b8af	-	No	vpc-08ff429ed9ac26f68 / C-VPC	1	
<input checked="" type="checkbox"/>	C-NACLs-D-VPC	acl-051dc69e0317d66...	-	No	vpc-00d5087c078051c0e / D-VPC	1	

Check inbound rules what permission given by default

Inbound rules (1)							Edit inbound rules
<input type="text" value="Filter inbound rules"/> < 1 > 							
Rule number	Type	Protocol	Port range	Source	Allow/Deny		
*	All traffic	All	All	0.0.0.0/0	Deny		

Check outbound rules what permission given by default

Outbound rules (1)							Edit outbound rules
<input type="text" value="Filter outbound rules"/> < 1 > 							
Rule number	Type	Protocol	Port range	Destination	Allow/Deny		
*	All traffic	All	All	0.0.0.0/0	Deny		

IF CREATE CUSTOM NACLs ALL PERMISSION DENY BY DEFAULT AND IF CREATE NEW RULES ALLOW AND DENY BOTH PERMISSION GIVEN RULES BUT CREATE NUMBERING WISE BECAUSE RULES ACT ONLY ASSIGN NUMERIC WISE.

Edit inbound rules [Info](#)

Inbound rules control the incoming traffic that's allowed to reach the VPC.

Rule number	Type	Protocol	Port range	Source	Allow/Deny	
100	All traffic	All	All	0.0.0.0/0	Allow	Remove
*	All traffic	All	All	0.0.0.0/0	Allow	Deny

Virtual Private Cloud (Amazon VPC)

If I create a new Security Group, then what permission will be given to the new Security Group by default?

Create new SG in Default VPC

The screenshot shows the AWS VPC Security Groups page. At the top, there is a header with the title 'Create new SG in Default VPC'. Below the header, there is a table with columns: Name, Security group ID, Security group name, VPC ID, Description, and Owner. A red box highlights the 'Create security group' button at the top right of the page.

Insert Name and select default VPC

Create security group

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name: C-SG-D-VPC
Description: SSH
VPC: vpc-00d5087c078051c0e

The screenshot shows the 'Create security group' wizard. Under the 'Basic details' section, the 'Security group name' field contains 'C-SG-D-VPC', the 'Description' field contains 'SSH', and the 'VPC' dropdown is set to 'vpc-00d5087c078051c0e'. A red box highlights the 'Create security group' button at the bottom of the page.

Successfully create

The screenshot shows the AWS VPC Security Groups page after creation. The table lists three security groups: D-SG-D-VPC, D-SG-C-VPC, and C-SG-D-VPC. The C-SG-D-VPC row is selected, and its details are shown in the table: Name: C-SG-D-VPC, Security group ID: sg-0d434d5e0d95c5316, Description: SSH, VPC ID: vpc-00d5087c078051c0e. A red box highlights the 'Create security group' button at the top right of the page.

Check inbound rules what permission given by default → Not create

Inbound rules

No security group rules found

The screenshot shows the 'Inbound rules' section of the AWS VPC Security Groups page. It displays a table with columns: Name, Security group rule..., IP version, Type, Protocol, and Port range. A red box highlights the 'Edit inbound rules' button at the top right of the page.

Check outbound rules what permission given by default

Outbound rules (1/1)

No security group rules found

The screenshot shows the 'Outbound rules' section of the AWS VPC Security Groups page. It displays a table with columns: Name, Security group rule..., IP version, Type, Protocol, and Port range. One rule is listed: Name: C-SG-D-VPC, Security group rule: sgr-040d329621eb1..., IP version: IPv4, Type: All traffic, Protocol: All. A red box highlights the 'Edit outbound rules' button at the top right of the page.

Virtual Private Cloud (Amazon VPC)

Create new SG in Custom VPC

Security Groups (1/4) Info						
		Actions		Export security groups to CSV		Create security group
<input type="text"/> Filter security groups						
Name	Security group ID	Security group name	VPC ID	Description	Owner	
D-SG-D-VPC	sg-007a83561e3024323	default	vpc-00d5087c078051c0e	default VPC security gr...	659202326636	
D-SG-C-VPC	sg-01c1b34793707502	default	vpc-08ff429ed9ac26f68	default VPC security gr...	659202326636	
C-SG-C-VPC	sg-09a2b846a7d6e34d7	C-SG-C-VPC	vpc-08ff429ed9ac26f68	CUSTOM VPC	659202326636	

Check inbound rules what permission given by default → Not create

Inbound rules						
<input type="text"/> Filter security group rules						
Name	Security group rule...	IP version	Type	Protocol	Port range	
No security group rules found						

Check outbound rules what permission given by default

Outbound rules (1/1)						
<input type="text"/> Filter security group rules						
Name	Security group rule...	IP version	Type	Protocol	Port range	
C-SG-C-VPC	sgr-05a4d58727d3e6a...	IPv4	All traffic	All	All	

IF CREATE CUSTOM SG ALL PERMISSION ALLOW ONLY OUTBOUND NOT INBOUND RULE CREATE BY DEFAULT AND IF CREATE NEW RULES ONLY ALLOW PERMISSION GIVEN RULES NOT FOUND ANY DENY OPTION.

Edit inbound rules [Info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules Info						
Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info	
sgr-01e383794d74add49	All traffic	All	All	Custom	<input type="text"/> sg-007a83561e3024323	Delete
Add rule						
Cancel Preview changes						Save rules

Virtual Private Cloud (Amazon VPC)

If you change Subnet in route table to use Assign Explicit subnet association in route table

Check subnet and default route

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
C-SUB-AZ1-D-VPC	subnet-0b532e1c29279307b	Available	vpc-00d5087c078051c0e D...	172.31.48.0/20	-
C-SUB-AZ2-C-VPC	subnet-0a6d226d34753f8a9	Available	vpc-08ff429ed9ac26f68 C-VPC	172.32.16.0/20	-
D-SUB-AZ1-D-VPC	subnet-090d7477f701173cd	Available	vpc-00d5087c078051c0e D...	172.31.32.0/20	-
<input checked="" type="checkbox"/> D-SUB-AZ3-D-VPC	subnet-0c47e3b8ea67f667c	Available	vpc-00d5087c078051c0e D...	172.31.0.0/20	-
D-SUB-AZ2-D-VPC	subnet-0e53bc8293161e597	Available	vpc-00d5087c078051c0e D...	172.31.16.0/20	-

Route table: rtb-07f8b88c3f21ece87 / C-ROUTE-D-VPC

Edit route table association

If you change single subnet in route to click edit route table association

Route table: rtb-07f8b88c3f21ece87 / C-ROUTE-D-VPC

Routes (1)

Edit route table association

Change route table id by default its assign in main route table

Subnet route table settings

Subnet ID
subnet-0c47e3b8ea67f667c

Route table ID
rtb-07f8b88c3f21ece87 (C-ROUTE-D-VPC)

rtb-0e3dc588c8b800e79 (D-RTROUTE-D-VPC)

rtb-07f8b88c3f21ece87 (C-ROUTE-D-VPC)
Main route table

Filter routes

Successfully change route table

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
D-SUB-AZ1-D-VPC	subnet-0b532e1c29279307b	Available	vpc-00d5087c078051c0e D...	172.31.48.0/20	-
<input checked="" type="checkbox"/> D-SUB-AZ3-D-VPC	subnet-0c47e3b8ea67f667c	Available	vpc-00d5087c078051c0e D...	172.31.0.0/20	-
D-SUB-AZ2-D-VPC	subnet-0e53bc8293161e597	Available	vpc-00d5087c078051c0e D...	172.31.16.0/20	-

Route table: rtb-0e3dc588c8b800e79 / D-RTROUTE-D-VPC

Edit route table association

Routes (2)

Virtual Private Cloud (Amazon VPC)

If you change multi subnet in route to open route table and edit Assign Explicit subnet association

Check only one assign explicit subnet associations

Route tables (1/4) Info						
		Name	Route table ID	Explicit subnet associations	Edge associations	Main
<input checked="" type="checkbox"/>	D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	subnet-0c47e3b8ea67f667c / D-SUB-AZ3-D-VPC	-	No	vpc-00d5087c078
<input type="checkbox"/>	C-ROUTE-C-VPC	rtb-00cb2814928411e7d	-	-	No	vpc-08ff429ed9ac

Click any route and click actions to edit subnet associations

Route tables (1/4) Info						
		Name	Route table ID	Explicit subnet associations	Edge associations	Main
<input checked="" type="checkbox"/>	D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	subnet-0c47e3b8ea67f667c / D-SUB-AZ3-D-VPC	-	No	vpc-00d5087c078
<input type="checkbox"/>	C-ROUTE-C-VPC	rtb-00cb2814928411e7d	-	-	No	vpc-08ff429ed9ac

Click on the you want multi select

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (3/4)						
Selected subnets						
<input type="checkbox"/>	C-SUB-AZ1-D-VPC	subnet-0b532e1c29279307b	172.31.48.0/20	-	Main (rtb-07f8b88c3f21ece87 / C-ROUTE-D-VPC)	
<input checked="" type="checkbox"/>	D-SUB-AZ1-D-VPC	subnet-090d7477f701173cd	172.31.32.0/20	-	Main (rtb-07f8b88c3f21ece87 / C-ROUTE-D-VPC)	
<input checked="" type="checkbox"/>	D-SUB-AZ3-D-VPC	subnet-0c47e3b8ea67f667c	172.31.0.0/20	-	rtb-0e3dc588c8b800e79 / D-ROUTE-D-VPC	
<input checked="" type="checkbox"/>	D-SUB-AZ2-D-VPC	subnet-0e53bc8293161e597	172.31.16.0/20	-	Main (rtb-07f8b88c3f21ece87 / C-ROUTE-D-VPC)	

Successfully add

You have successfully updated subnet associations for rtb-0e3dc588c8b800e79 / D-ROUTE-D-VPC.

Route tables (1/4) Info						
		Name	Route table ID	Explicit subnet associat...	Edge associations	Main
<input checked="" type="checkbox"/>	D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	3 subnets	subnet-0e53bc8293161e597 / D-SUB-AZ2-D-VPC subnet-090d7477f701173cd / D-SUB-AZ1-D-VPC subnet-0c47e3b8ea67f667c / D-SUB-AZ3-D-VPC	X	No
<input type="checkbox"/>	C-ROUTE-C-VPC	rtb-00cb2814928411e7d	-		X	No
<input type="checkbox"/>	C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-		X	Yes
<input type="checkbox"/>	D-ROUTE-C-VPC	rtb-0bca47651d2231c74	-		X	Yes

Virtual Private Cloud (Amazon VPC)

If you change IGW in route table to use Assign Edge association in route table

Assign Edge associations

First, check default assign IGW in subnet route table

The screenshot shows the AWS Route Tables page with 1/4 route tables listed. The first route table, 'D-ROUTE-D-VPC', is selected and highlighted with a red border. It has '3 subnets' associated with it and no edge associations. The second route table, 'C-ROUTE-C-VPC', is also highlighted with a red border and has '3 subnets' associated with it. The third route table, 'C-ROUTE-D-VPC', has no subnets associated with it and 'Yes' under 'Edge associations'. The fourth route table, 'D-ROUTE-C-VPC', has no subnets associated with it and 'Yes' under 'Edge associations'. Below the table, the 'Routes' section shows two entries: one for '172.31.0.0/16' pointing to 'local' with 'Active' status and 'No' propagation, and another for '0.0.0.0/0' pointing to 'igw-08ea8de664ea441d9' with 'Active' status and 'No' propagation.

Check not any assign Edge associations

The screenshot shows the AWS Route Tables page with 4 route tables listed. The first route table, 'D-ROUTE-D-VPC', is selected and highlighted with a red border. It has '3 subnets' associated with it and no edge associations. The second route table, 'C-ROUTE-C-VPC', has '3 subnets' associated with it. The third route table, 'C-ROUTE-D-VPC', has no subnets associated with it and 'Yes' under 'Edge associations'. The fourth route table, 'D-ROUTE-C-VPC', has no subnets associated with it and 'Yes' under 'Edge associations'.

If change IGW in route table assign edge association to change IGW

First, check different route in IGW assign or not

The screenshot shows the AWS Route Tables page with 4 route tables listed. The third route table, 'C-ROUTE-D-VPC', is selected and highlighted with a red border. It has '3 subnets' associated with it and 'Yes' under 'Edge associations'. The other three route tables ('D-ROUTE-D-VPC', 'C-ROUTE-C-VPC', and 'D-ROUTE-C-VPC') have no subnets associated with them and no edge associations. Below the table, the 'Routes' section shows one entry for '172.31.0.0/16' pointing to 'local' with 'Active' status and 'No' propagation.

Virtual Private Cloud (Amazon VPC)

Click Change route and click actions to edit edge associations

Route tables (1/4) Info							Actions ▾	Create route table
Name	Route table ID	Explicit subnet associat...	Edge associations	Main	View details	Set main route table	Ow...	
<input type="checkbox"/> D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	3 subnets	-	No	Edit subnet associations	Edit edge associations	65920	
<input type="checkbox"/> C-ROUTE-C-VPC	rtb-00cb2814928411e7d	-	-	No	Edit routes	Edit route propagation	65920	
<input checked="" type="checkbox"/> C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	-	Yes	Edit routes	Edit route propagation	65920	

Check mark to IGW and save

Edit edge associations (1/1)

Route table basic details

Route table ID rtb-07f8b88c3f21ece87	Route table name C-ROUTE-D-VPC	Route table VPC ID vpc-00d5087c078051c0e
---	-----------------------------------	---

Internet gateway

Gateway ID
igw-08ea8de664ea441d9 / D-GTW-D-VPC [Edit](#)

State
Attached

Owner
659202326636

[Cancel](#) [Save changes](#)

Add successfully IGW

Route tables (1/4) Info							Actions ▾	Create route table
Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC			
<input type="checkbox"/> D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	3 subnets	-	No	vpc-00d5087c0	Edit	Delete	
<input type="checkbox"/> C-ROUTE-C-VPC	rtb-00cb2814928411e7d	-	-	No	vpc-08ff429ed9	Edit	Delete	
<input checked="" type="checkbox"/> C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	igw-08ea8de664ea441d9 / D-GTW-D-VPC	Yes	vpc-00d5087c0	Edit	Delete	
<input type="checkbox"/> D-ROUTE-C-VPC	rtb-0bca47651d2231c74	-	-	Yes	vpc-08ff429ed9	Edit	Delete	

rtb-07f8b88c3f21ece87 / C-ROUTE-D-VPC

[Details](#) [Routes](#) [Subnet associations](#) [Edge associations](#) [Route propagation](#) [Tags](#)

Associated internet gateways (1)

ID	state	VPC	Owner
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[Edit edge associations](#)

Virtual Private Cloud (Amazon VPC)

If I want to delete direct VPS after all the modification , will they allow me to delete them or not?

Delete custom VPC

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
C-VPC	vpc-08ff429ed9ac26f68	Available	172.32.0.0/16	-
D-VPC	vpc-00d5087c078051c0e	Available	172.31.0.0/16	-

vpc-08ff429ed9ac26f68 / C-VPC

Actions ▾ Create VPC

- Create default VPC
- Create flow log
- Edit CIDRs
- Edit DHCP options set
- Edit DNS hostnames
- Edit DNS resolution
- Manage middlebox routes
- Manage tags
- Delete VPC**

If I delete VPC, So it Show me that you are using another service in VPC.
so will it allow me to delete it or not?

Delete VPC

Name	Resource ID	State
C-IGW-D-VPC	igw-0Gee29cd7526ee1b9	Available
C-NACL-C-VPC	acl-06bc61dc96648b8af	-
C-ROUTE-C-VPC	rtb-00cb2814928411e7d	-
C-SG-C-VPC	sg-09a2b846a7d6e34d7	-
C-SUB-AZ2-C-VPC	subnet-0a6d226d34753f8a9	Available

To confirm deletion, type *delete* in the field:
DELETE

Cancel Delete

If deleted VPC Automatic detaching service

Delete VPC

Detaching internet gateways...
Validating resources to delete...
Detaching internet gateways...
Revoking security group rules...
Deleting VPC endpoints...
Deleting security groups...
Deleting egress only internet gateways...
Deleting internet gateways...
Deleting network interfaces...
Deleting subnets...
Deleting network ACLs...
Deleting route tables...
Deleting VPC...
Waiting for VPC endpoints to be deleted...

Cancel Delete

Virtual Private Cloud (Amazon VPC)

After deleting so many service VPC out of all the modifications I did, it got deleted automatically.



Delete custom subnet

Delete custom subnet

Subnets (1/4) Info						
<input type="text"/> Filter subnets						
Name	Subnet ID	State	VPC	IPv4 CIDR	Actions	
<input checked="" type="checkbox"/> C-SUB-AZ1-D-VPC	subnet-0b532e1c29279307b	Available	vpc-00d5087c078051c0e D...	172.31.4	View details	Create flow log
<input type="checkbox"/> D-SUB-AZ1-D-VPC	subnet-090d7477f701173cd	Available	vpc-00d5087c078051c0e D...	172.31.3	Edit subnet settings	Edit IPv6 CIDRs
<input type="checkbox"/> D-SUB-AZ3-D-VPC	subnet-0c47e3b8ea67f667c	Available	vpc-00d5087c078051c0e D...	172.31.0	Edit network ACL association	Edit route table association
<input type="checkbox"/> D-SUB-AZ2-D-VPC	subnet-0e53bc8293161e597	Available	vpc-00d5087c078051c0e D...	172.31.1	Edit CIDR reservations	Share subnet

[Create subnet](#)

[View details](#) [Create flow log](#) [Edit subnet settings](#) [Edit IPv6 CIDRs](#) [Edit network ACL association](#) [Edit route table association](#) [Edit CIDR reservations](#) [Share subnet](#) [Manage tags](#) [Delete subnet](#)

Type to delete and click delete

Delete subnets

The following subnets will be deleted permanently and cannot be recovered later.

Name	Subnet ID	State	VPC ID
C-SUB-AZ1-D-VPC	subnet-0b532e1c29279307b	Available	vpc-00d5087c078051c0e

To confirm deletion, type *delete* in the field

[Cancel](#) [Delete](#)

Successfully deleted custom subnet

✓ You have successfully deleted subnet-0b532e1c29279307b

Subnets (3) [Info](#)

Subnets (3) Info						
<input type="text"/> Filter subnets						
Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Actions
<input type="checkbox"/> D-SUB-AZ1-D-VPC	subnet-090d7477f701173cd	Available	vpc-00d5087c078051c0e D...	172.31.32.0/20	-	View details
<input type="checkbox"/> D-SUB-AZ3-D-VPC	subnet-0c47e3b8ea67f667c	Available	vpc-00d5087c078051c0e D...	172.31.0.0/20	-	Create flow log
<input type="checkbox"/> D-SUB-AZ2-D-VPC	subnet-0e53bc8293161e597	Available	vpc-00d5087c078051c0e D...	172.31.16.0/20	-	Edit subnet settings

Virtual Private Cloud (Amazon VPC)

Delete route table

Select custom route and delete

Name	Route table ID	Explicit subnet associations	Edge associations	Main
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	3 subnets	-	No
C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	igw-08ea8de664e...	Yes

If custom route configure in main so not possible to delete

Name	Route table ID	VPC ID
C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	vpc-00d5087c078051c0e

Change to main after change to main click to delete route

Name	Route table ID	Explicit subnet associations	Edge associations	Main
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	3 subnets	-	Yes
C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	igw-08ea8de664e...	No

if assign Explicit & Edge so not possible to direct delete to route

Name	Route table ID	VPC ID
C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	vpc-00d5087c078051c0e

Virtual Private Cloud (Amazon VPC)

Delete edge association

Click to edit edge association

Route tables (1/2) [Info](#)

Name	Route table ID	Explicit subnet associations	Edge associations	Main	Action
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	3 subnets	-	Yes	Edit edge associations
<input checked="" type="checkbox"/> C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	igw-08ea8de664e...	No	Edit edge associations

Unselect IGW and save

Internet gateway

Gateway ID
igw-08ea8de664ea441d9 / D-GTW-D-VPC [Edit](#)

State
Attached

Owner
659202326636

[Cancel](#) [Save changes](#)

After all modification click to delete option

Route tables (1/2) [Info](#)

Name	Route table ID	Explicit subnet associations	Edge associations	Main	Action
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	3 subnets	-	Yes	Edit edge associations
<input checked="" type="checkbox"/> C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	-	-	No	Delete route table

Type delete

Delete route tables

The following route tables will be deleted permanently and can't be recovered later.

Name	Route table ID	VPC ID
C-ROUTE-D-VPC	rtb-07f8b88c3f21ece87	vpc-00d5087c078051c0e

To confirm deletion, type *delete* in the field:

[Cancel](#) [Delete](#)

Virtual Private Cloud (Amazon VPC)

Successfully deleted route

You have successfully deleted rtb-07f8b88c3f21ece87 / C-ROUTE-D-VPC

Route tables (1/1) [Info](#)

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC	Owner
D-ROUTE-D-VPC	rtb-0e3dc588c8b800e79	3 subnets	-	Yes	vpc-00d5087c078051c0e D...	659202326636

Delete IGW

If delete IGW so first detached IGW from VPC

Internet gateways (1/2) [Info](#)

Name	Internet gateway ID	State	VPC ID
D-GTW-D-VPC	igw-08ea8de664ea441d9	Detached	-
C-IGW-D-VPC	igw-094a27e45f5faaff3	Attached	vpc-00d5087c078051c0e D...

Actions ▾ [Create internet gateway](#)

View details [Attach to VPC](#) [Detach from VPC](#) [Manage tags](#) [Delete internet gateway](#)

Click to detach

Are you sure that you want to detach internet gateway igw-094a27e45f5faaff3 (C-IGW-D-VPC) from VPC vpc-00d5087c078051c0e?

If you detach the internet gateway, resources in the VPC cannot communicate with the internet.

Cancel [Detach internet gateway](#)

Successfully detach IGW and click delete IGW

Internet gateways (1/2) [Info](#)

Name	Internet gateway ID	State	VPC ID
D-GTW-D-VPC	igw-08ea8de664ea441d9	Detached	-
C-IGW-D-VPC	igw-094a27e45f5faaff3	Detached	-

Actions ▾ [Create internet gateway](#)

View details [Attach to VPC](#) [Detach from VPC](#) [Manage tags](#) [Delete internet gateway](#)

Successfully deleted IGW

Internet gateway successfully deleted - igw-094a27e45f5faaff3

Internet gateways (1/1) [Info](#)

Name	Internet gateway ID	State	VPC ID	Owner
D-GTW-D-VPC	igw-08ea8de664ea441d9	Detached	-	659202326636

Virtual Private Cloud (Amazon VPC)

Delete NACLs

Select custom NACLs and delete					
Network ACLs (1/2) Info				Actions ▾	Create network ACL
<input type="text"/> Filter network ACLs					
Name	Network ACL ID	Associated with	Default	Action Buttons	
D-NACL-D-VPC	acl-0d4426d236fb742df	3 Subnets	Yes	View details Edit inbound rules Edit outbound rules Edit subnet associations Manage tags	Delete network ACLs
C-NACLs-D-VPC	acl-051dc69e0317d6695	-	No	View details Edit inbound rules Edit outbound rules Edit subnet associations Manage tags	Delete network ACLs

Type delete

Delete network ACLs

The following network ACLs will be deleted permanently and cannot be recovered later.

Name	Network ACL ID	VPC ID
C-NACLs-D-VPC	acl-051dc69e0317d6695	vpc-00d5087c078051c0e

To confirm deletion, type *delete* in the field:

[Cancel](#) [Delete](#)

Successfully deleted NACLs

You have successfully deleted acl-051dc69e0317d6695 / C-NACLs-D-VPC

Network ACLs (1/1) Info					
<input type="text"/> Filter network ACLs					
Name	Network ACL ID	Associated with	Default	VPC ID	Actions ▾
D-NACL-D-VPC	acl-0d4426d236fb742df	3 Subnets	Yes	vpc-00d5087c078051c0e / D-VPC	View details Edit inbound rules Edit outbound rules Edit subnet associations Manage tags

Virtual Private Cloud (Amazon VPC)

Delete Security Group

Select custom Security Group and delete

Security Groups (1/2) Info				C	Actions ▲	Export security groups to CSV ▾
				<input type="text"/> Filter security groups		
⊖	Name	Security group ID	Security group name			Description
<input type="checkbox"/>	D-SG-D-VPC	sg-007a83561e3024323	default		Delete security groups	default VPC secu
<input checked="" type="checkbox"/>	C-SG-D-VPC	sg-0d434d5e0d95c5316	C-SG-D-VPC	vpc-00d5087c078051c0e		SSH

Click to delete

Delete security groups X

Are you sure that you want to delete this security group?

- sg-0d434d5e0d95c5316 - C-SG-D-VPC

[Cancel](#) [Delete](#)

Successfully deleted Security Group

✓ Security group (sg-0d434d5e0d95c5316 | C-SG-D-VPC) successfully deleted X

Security Groups (1/1) Info							C	Actions ▾	Export security groups to CSV ▾	Create security group
							<input type="text"/> Filter security groups			
⊖	Name	Security group ID	Security group name	VPC ID	Description	Owner				
<input checked="" type="checkbox"/>	D-SG-D-VPC	sg-007a83561e3024323	default	vpc-00d5087c078051c0e	default VPC security gr...	659202326636				