

PDF X - Case-Study—VPC-And-Peering-1.pdf

Problem Statement:

You work for XYZ Corporation and based on the expansion requirements of your corporation you have been asked to create and set up a distinct Amazon VPC for the production and development team. You are expected to perform the following tasks for the respective VPCs.

Production Network:

1. Design and build a 4-tier architecture.
2. Create 5 subnets out of which 4 should be private named app1, app2, dbcache and db and one should be public, named web.
3. Launch instances in all subnets and name them as per the subnet that they have been launched in.
4. Allow dbcache instance and app1 subnet to send internet requests.
5. Manage security groups and NACLs.

Development Network:

1. Design and build 2-tier architecture with two subnets named web and db and launch instances in both subnets and name them as per the subnet names.
2. Make sure only the web subnet can send internet requests.
3. Create peering connection between production network and development network.
4. Setup connection between db subnets of both production network and development network respectively.

22°C Party cloudy

Education vpcs | VPC Console Instances | EC2 us-east-1 IP Subnet Calculator for IPv4 | VPC subnet connection setup

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#vpcs:

VPC Your VPCs

Your VPCs (1/3) Info

Name	VPC ID	State	Block Public...	IPv4 CIDR	IPv6 CIDR
prod-vpc	vpc-06aa5fa3b2fe784c9	Available	Off	10.0.0.0/16	-
dev-vpc	vpc-086f813e455ccdb6c	Available	Off	10.1.0.0/16	-
-	vpc-02196942317add486	Available	Off	172.31.0.0/16	-

vpc-06aa5fa3b2fe784c9 / prod-vpc

Details Resource map CIDs Flow logs Tags Integrations

Details

VPC ID vpc-06aa5fa3b2fe784c9	State Available	Block Public Access Off	DNS hostnames Disabled
DNS resolution Enabled	Tenancy default	DHCP option set dopt-0a70ccc0ef04464d3	Main route table rtb-0cc5448cfdbe01faa
Main network ACL -	Default VPC None	IPv4 CIDR 10.0.0.0/16	IPv6 pool -

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Education | VPC CIDR examples | Start Course | Intellipaat | VPC | us-east-1 | IP Subnet Calculator for IPv4 | On

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#subnets:sort=desc:tag:Name

aws | Search [Alt+S]

VPC > Subnets

Subnets (5/11) Info

Last updated less than a minute ago Actions Create subnet

Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
web-subnet	subnet-049d2b75fb09afba8	Available	vpc-06aa5fa3b2fe784c9 prod...	Off	10.0.176.0/2
DB-subnet	subnet-052fb2ba1cb5be56	Available	vpc-06aa5fa3b2fe784c9 prod...	Off	10.0.192.0/2
DB-cache-subnet	subnet-0a2a25e7785912a4c	Available	vpc-06aa5fa3b2fe784c9 prod...	Off	10.0.208.0/2
app2-subnet	subnet-06ef8f5fb0f6e8ba2d	Available	vpc-06aa5fa3b2fe784c9 prod...	Off	10.0.224.0/2
app1-subnet	subnet-0db03662d737970ee	Available	vpc-06aa5fa3b2fe784c9 prod...	Off	10.0.240.0/2
-	subnet-0c3e601c1bdff99c4d	Available	vpc-02196942317add486	Off	172.31.48.0/16

Subnets: subnet-049d2b75fb09afba8, subnet-052fb2ba1cb5be56, subnet-0a2a25e7785912a4c, subnet-06ef8f38df6e8ba2d, subnet-0db03662d737970ee

CloudShell Feedback

29°C Party sunny

Education | VPC CIDR examples | Start Course | Intellipaat | SecurityGroups | VPC Console | Launch an instance | EC2 | us-east-1 | IP Subnet Calculator for IPv4 | On

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#SecurityGroups:sort=desc:tag:Name

aws | Search [Alt+S]

VPC > Security Groups

Security Groups (2/29) Info

Actions Export security groups to CSV Create security group

Name	Security group ID	Security group name	VPC ID	Description
web-security-gp	sg-0dead971c3c5ad57a	web-security-gp	vpc-06aa5fa3b2fe784c9	allow traffic from web
DB-security-gp	sg-07e818fad8cd67f75	DB-security-gp	vpc-06aa5fa3b2fe784c9	traffic from DB
-	sg-054e563289f915cd3	launch-wizard-6	vpc-02196942317add486	launch-wizard-6
-	sg-0fc071f23345f5201	launch-wizard-9	vpc-02196942317add486	launch-wizard-9
-	sg-07b2a5fec3339d59	launch-wizard-22	vpc-02196942317add486	launch-wizard-22
-	sg-0ec25c8e5c13892ca	launch-wizard-16	vpc-02196942317add486	launch-wizard-16
-	sg-0710d0a72214d110	launch-wizard-17	vpc-02196942317add486	launch-wizard-17

sg-0dead971c3c5ad57a - web-security-gp

CloudShell Feedback

29°C Party sunny

Education | SecurityGroups | VPC Console | Instances | EC2 | us-east-1 | IP Subnet Calculator for IPv4 | On | +

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

aws | Search [Alt+S] United States (N. Virginia) Yellamma Mittagouri

EC2 Instances (5/6) Info Last updated less than a minute ago Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pul
web-app-server	i-0e41bfed691e1262a	Running	t2.micro	Initializing	View alarms +	us-east-1e	-
app2-server	i-0fbf2a366e61d5f88	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	-
DB-cache-server	i-0c37b0f05900dfe9c	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1c	-
app1-server	i-03455ba6ca83294d4	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	-
DB-server	i-0fc836ae9fd3a5ea	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1d	-

5 instances selected

Monitoring Configure CloudWatch agent

Alarm recommendations Investigate with AI - new 1h 3h 12h 1d 3d 1w Custom UTC timezone Explore related

CPU utilization (%)	Network in (bytes)	Network out (bytes)	Network packets in (count)
Various units 0.234 0.117	Various units 4.26k 2.13k	Various units 3.79k 1.90k	Various units 35.8 17.9

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CloudShell Feedback JPY/INR +199%

CloudShell Feedback JPY/INR +199%

Education | SecurityGroups | VPC Console | ModifyInboundSecurityGroupRule | igws | VPC Console | IP Subnet Calculator for IPv4 | On | +

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#igws:

aws | Search [Alt+S] United States (N. Virginia) Yellamma Mittagouri

VPC Internet gateways (1/2) Info Actions Create internet gateway

Find internet gateways by attribute or tag

Name	Internet gateway ID	State	VPC ID	Owner
-	igw-06248ded2c13ae642	Attached	vpc-02196942317add486	251985476962
my-igw	igw-0d753ef64f6b52607	Detached	-	251985476962

igw-0d753ef64f6b52607 / my-igw

Details Tags

Details

Internet gateway ID igw-0d753ef64f6b52607	State Detached	VPC ID -	Owner 251985476962
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CloudShell Feedback Watchlist 0 items

Screenshot of the AWS VPC console showing the Internet gateway details for 'igw-0d753ef64f6b52607 / my-igw'. The gateway is successfully attached to the VPC and has a single tag 'Name: my-igw'.

Details

Internet gateway ID	State	VPC ID	Owner
igw-0d753ef64f6b52607	Attached	vpc-06aa5fa3b2fe784c9	prod-vpc 251985476962

Tags

Key	Value
Name	my-igw

Screenshot of the AWS VPC console showing the 'Edit routes' page for a route table. A new route is being added for destination '0.0.0.0/0' pointing to target 'igw-0d753ef64f6b52607'.

Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	Internet Gateway	-	No
	igw-0d753ef64f6b52607	-	Remove

[Add route](#) [Cancel](#) [Preview](#) [Save changes](#)

The screenshot shows the AWS VPC console with the URL <https://us-east-1.console.aws.amazon.com/vpcconsole/home/?region=us-east-1#RouteTableDetails:RouteTableId=rtb-06c3cb8d8607b9ab3>. The page displays the details of a newly created route table named "rtb-06c3cb8d8607b9ab3 / private-root-table". The "Details" section shows the route table ID, which is "rtb-06c3cb8d8607b9ab3". The "Main" section indicates there is no main entry. The "Owner ID" is listed as "251985476962". The "Explicit subnet associations" and "Edge associations" sections both show a single dash. Below the details, tabs for "Routes", "Subnet associations", "Edge associations", "Route propagation", and "Tags" are visible. Under the "Routes" tab, a table lists one route: "Destination" 10.0.0.0/16, "Target" local, "Status" Active, and "Propagated" No. A "Both" dropdown and an "Edit routes" button are also present. On the left sidebar, the "Virtual private cloud" section is expanded, showing options like "Your VPCs", "Subnets", "Route tables" (which is selected), "Internet gateways", "Egress-only internet gateways", "Carrier gateways", "DHCP option sets", "Elastic IPs", "Managed prefix lists", "NAT gateways", "Peering connections", and "Route servers". The "Security" section is also partially visible.

Screenshot of the AWS VPC Route Tables console page for route table **rtb-06c3cb8d8607b9ab3**.

Details

Route table ID rtb-06c3cb8d8607b9ab3	Main <input checked="" type="checkbox"/> No	Explicit subnet associations 4 subnets	Edge associations
VPC vpc-06aa5fa3b2fe784c9 prod-vpc	Owner ID 251985476962		

Subnet associations (4)

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
DB-subnet	subnet-052fbf2ba1cb5be56	10.0.192.0/20	-
app1-subnet	subnet-0db03662d737970ee	10.0.240.0/20	-
app2-subnet	subnet-06e8f3f8df6e0ba2d	10.0.224.0/20	-
DB-cache-subnet	subnet-02a25e7785912a4c	10.0.208.0/20	-

Subnets without explicit associations (1)

The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
-	-	-	-

Actions

Screenshot of the AWS VPC Elastic IP Addresses console page.

Elastic IP address allocated successfully.
Elastic IP address [54.157.9.115](#)

Elastic IP addresses (1) [Info](#)

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record
-	54.157.9.115	Public IP	eipalloc-066f7ca4024f6766a	-

Select an elastic IP address

[View IP address usage and recommendations to release unused IPs with Public IP insights.](#)

Actions

Screenshot of the AWS VPC console showing the 'Edit routes' page for a route table. The table has one entry:

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
	NAT Gateway	-	No
	nat-06dbd9bd89f8d33a5	-	

Buttons at the bottom include 'Add route', 'Cancel', 'Preview', and 'Save changes'.

Screenshot of a Windows CloudShell window showing terminal output. The user is connecting to an EC2 instance via SSH:

```
C:\Users\LENOVO\Downloads>scp -i "web-server-keypair.pem" db-cache-server-keypair.pem ec2-user@100.26.213.129:/home/ec2-user
scp: dest open "/home/ec2-user/db-cache-server-keypair.pem": Permission denied
scp: failed to upload file db-cache-server-keypair.pem to /home/ec2-user

C:\Users\LENOVO\Downloads>ssh -i "web-server-keypair.pem" ec2-user@100.26.213.129
#_#
\### Amazon Linux 2023
\### https://aws.amazon.com/linux/amazon-linux-2023
\### V_>
\### /m/
Last login: Sat Aug  2 12:29:39 2025 from 49.207.214.145
[ec2-user@ip-10-0-177-37 ~]$ chmod 400 "db-cache-server-keypair.pem"
[ec2-user@ip-10-0-177-37 ~]$ ls
db-cache-server-keypair.pem file1.txt
[ec2-user@ip-10-0-177-37 ~]$ ssh -i "db-cache-server-keypair.pem" ec2-user@10.0.215.115
#_#
\### Amazon Linux 2023
\### https://aws.amazon.com/linux/amazon-linux-2023
\### V_>
\### /m/
Last login: Sat Aug  2 12:35:33 2025 from 10.0.177.37
[ec2-user@ip-10-0-215-115 ~]$ ping google.com
PING google.com (64.233.180.138) 56(84) bytes of data.
64 bytes from on-in-f138.1e100.net (64.233.180.138): icmp_seq=1 ttl=105 time=3.25 ms
64 bytes from on-in-f138.1e100.net (64.233.180.138): icmp_seq=2 ttl=105 time=2.42 ms
64 bytes from on-in-f138.1e100.net (64.233.180.138): icmp_seq=3 ttl=105 time=2.95 ms
64 bytes from on-in-f138.1e100.net (64.233.180.138): icmp_seq=4 ttl=105 time=2.41 ms
64 bytes from on-in-f138.1e100.net (64.233.180.138): icmp_seq=5 ttl=105 time=2.77 ms
64 bytes from on-in-f138.1e100.net (64.233.180.138): icmp_seq=6 ttl=105 time=2.52 ms
64 bytes from on-in-f138.1e100.net (64.233.180.138): icmp_seq=7 ttl=105 time=2.65 ms
```

The screenshot shows the AWS VPC console interface. On the left, the 'Virtual private cloud' sidebar is open, displaying options like EC2 Global View, Filter by VPC, and a list of VPCs: prod-vpc, dev-vpc, and another unnamed entry. The main content area is titled 'Your VPCs (1/3) Info'. It lists three VPCs with columns for Name, VPC ID, State, Block Public Access, IPv4 CIDR, and IPv6 CIDR. The 'dev-vpc' row is selected. Below this, a detailed view for 'dev-vpc' is shown with tabs for Details, Resource map, CIDRs, Flow logs, Tags, and Integrations. The 'Details' tab is active, displaying information such as VPC ID (vpc-086f813e455ccdb6c), State (Available), and various network settings like DNS resolution (Enabled) and Main network ACL (vpc-086f813e455ccdb6c). At the bottom, there are links for CloudShell and Feedback, along with standard browser navigation and search bars.

You have successfully created 1 subnet: subnet-0d3ea45f6ecc32662

Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
<input checked="" type="checkbox"/> web-subnet-dev	subnet-0d3ea45f6ecc32662	Available	vpc-086fb13e455ccdb6c dev...	<input type="radio"/> Off	10.1.224.0/2
<input type="checkbox"/> web-subnet	subnet-049d2b75fb09afba8	Available	vpc-06aa5fa3b2fe784c9 prod...	<input type="radio"/> Off	10.0.176.0/2
<input checked="" type="checkbox"/> db-subnet-dev	subnet-0ba77e22bce64c73	Available	vpc-086fb13e455ccdb6c dev...	<input type="radio"/> Off	10.1.240.0/2
<input type="checkbox"/> DB-subnet	subnet-052fbf2ba1ch5be56	Available	vpc-06aa5fa3b2fe784c9 prod...	<input type="radio"/> Off	10.0.192.0/2
<input type="checkbox"/> DB-cache-subnet	subnet-0a2a25e7785912adc	Available	vpc-06aa5fa3b2fe784c9 prod...	<input type="radio"/> Off	10.0.208.0/2

Subnets: subnet-0ba77e22bce64c73, subnet-0d3ea45f6ecc32662

Edit subnet settings

Subnet

Subnet ID: subnet-0d3ea45f6ecc32662 Name: web-subnet-dev

Auto-assign IP settings

Enable AWS to automatically assign a public IPv4 or IPv6 address to a new primary network interface for an instance in this subnet.

Enable auto-assign public IPv4 address Info

Enable auto-assign customer-owned IPv4 address Info Option disabled because no customer owned pools found.

Resource-based name (RBN) settings

Specify the hostname type for EC2 instances in this subnet and optional RBN DNS query settings.

Enable resource name DNS A record on launch Info

Enable resource name DNS AAAA record on launch Info

Hostname type Info

Resource name
 IP name

Screenshot of the AWS VPC Security Groups console.

Left Sidebar:

- VPC dashboard
- EC2 Global View
- Virtual private cloud**
 - Your VPCs
 - Subnets
 - Route tables
 - Internet gateways
 - Egress-only internet gateways
 - Carrier gateways
 - DHCP option sets
 - Elastic IPs
 - Managed prefix lists
 - NAT gateways
 - Peering connections
 - Route servers [New](#)
- Security**
 - Network ACLs
 - Security groups**

Top Bar: Education | SecurityGroups | VPC Console | Instances | EC2 | us-east-1 | IP Subnet Calculator for IPv4 | On | VPC subnet connection setup | +

Search Bar: Search [Alt+S]

Table: Security Groups (2/32) Info

Name	Security group ID	Security group name	VPC ID	Description
sg-08edc83a6008bc7a2	dev-web-sg	vpc-086f813e455ccdb6c	allow traffic from	
sg-054e563289f915cd5	launch-wizard-6	vpc-02196942317add486	launch-wizard-6	
sg-0fc071f23345f5201	launch-wizard-9	vpc-02196942317add486	launch-wizard-9	
sg-07b2a5fec3339d59	launch-wizard-22	vpc-02196942317add486	launch-wizard-2	
sg-0ec25c8e5c13892ca	launch-wizard-16	vpc-02196942317add486	launch-wizard-1	
sg-0fd605af8282f9d	dev-db-sg	vpc-086f813e455ccdb6c	allow traffic from	
sg-07151517b7a7fb140	launch-wizard-7	vpc-02196942317add486	launch-wizard-7	

Bottom: sg-08edc83a6008bc7a2 - dev-web-sg

Screenshot of the AWS EC2 Instances console.

Left Sidebar:

- Instances**
 - Instances
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Capacity Reservations
- Images
- AMIs
- AMI Catalog
- Elastic Block Store
- Volumes
- Snapshots
- Lifecycle Manager
- Network & Security**
 - Security Groups
 - Elastic IPs
 - Placement Groups

Top Bar: Education | VPC | us-east-1 | Instances | IP Subnet Calculator for IPv4 | On | VPC subnet connection setup | +

Search Bar: Search [Alt+S]

Table: Instances (2/7) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pul
web-app-server	i-0e41bfed691e1262a	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1e	-
app2-server	i-0fb2a366e61df5f8	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	-
dev-web-server	i-05fff8504a22a45e5	Running	t2.micro	Initializing	View alarms +	us-east-1b	-
DB-cache-server	i-0c37bd0f05900ddde9c	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1c	-
dev-db-server	i-0767cc9d4023c2b54	Running	t2.micro	-	View alarms +	us-east-1a	-
app1-server	i-03455ba6ca83294d4	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	-

Monitoring: 2 instances selected

Metrics:

CPU utilization (%)	Network in (bytes)	Network out (bytes)	Network packets in (count)
No unit 0.5	No unit 0.5	No unit 0.5	No unit 0.5

Bottom: Configure CloudWatch agent | Alarm recommendations | Investigate with AI - new | 1h 3h 12h 1d 3d 1w Custom UTC timezone | Explore related | © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Screenshot of the AWS VPC console showing the configuration of an Internet Gateway (igw-0dc9737353fff09d7) and a Route Table (rtb-01352dc10fb66b1ad).

Internet Gateway Configuration

igw-0dc9737353fff09d7 / dev-igw

Details Info

Internet gateway ID	State	VPC ID
igw-0dc9737353fff09d7	Attached	vpc-086f813e455ccdb6c dev-vpc
Owner		251985476962

Tags

Key	Value
Name	dev-igw

Route Table Configuration

rtb-01352dc10fb66b1ad

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-01352dc10fb66b1ad	Yes	-	-
VPC	Owner ID	251985476962	

Routes

Destination	Target	Status	Propagated
0.0.0.0/0	igw-0dc9737353fff09d7	Active	No
10.1.0.0/16	local	Active	No

```
ec2-user@ip-10-1-224-84: ~ % Microsoft Windows [Version 10.0.26100.4770]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LENOVO>cd downloads

C:\Users\LENOVO\Downloads>ssh -i "dev-web-kp.pem" ec2-user@54.164.142.225
ssh: connect to host 54.164.142.225 port 22: Connection timed out

C:\Users\LENOVO\Downloads>ssh -i "dev-web-kp.pem" ec2-user@54.164.142.225
The authenticity of host '54.164.142.225 (54.164.142.225)' can't be established.
ED25519 key fingerprint is SHA256:AukVbcnILNfL2FTLjXWUxhQeQmNZiQkNyUch2vVB7w.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '54.164.142.225 (ED25519)' to the list of known hosts.

# 
  _\###_          Amazon Linux 2023
  _\####_|
  \###|
  \#/|__ https://aws.amazon.com/linux/amazon-linux-2023
  \~'|->
  / |
  / |
  / |
  / |
  / |
[ec2-user@ip-10-1-224-84 ~]$ ping google.com
PING google.com (142.251.167.102) 56(84) bytes of data.
64 bytes from ww-in-f102.1e100.net (142.251.167.102): icmp_seq=1 ttl=104 time=2.06 ms
64 bytes from ww-in-f102.1e100.net (142.251.167.102): icmp_seq=2 ttl=104 time=2.11 ms
64 bytes from ww-in-f102.1e100.net (142.251.167.102): icmp_seq=3 ttl=104 time=2.12 ms
|
```

Education VPC | VPC us-east-1 igws | VPC Console Connect to instance | EC2 | us-east-1 IP Subnet Calculator for IPv4 | us-east-1 VPC subnet connection setup

aws Search [Alt+5] United States (N. Virginia) Yellima Mittagouli

VPC > Peering connections > Create peering connection

Select a local VPC to peer with

VPC ID (Requester)
vpc-06aa5fa3b2fe784c9 (prod-vpc)

VPC CIDRs for vpc-06aa5fa3b2fe784c9 (prod-vpc)

CIDR	Status	Status reason
10.0.0.0/16	Associated	-

Select another VPC to peer with

Account
 My account
 Another account

Region
 This Region (us-east-1)
 Another Region

VPC ID (Acceptor)
vpc-086f813e455ccdb6c (dev-vpc)

VPC CIDRs for vpc-086f813e455ccdb6c (dev-vpc)

CIDR	Status	Status reason
10.1.0.0/16	Associated	-

Screenshot of the AWS VPC Peering Connections console showing a single peering connection named "my-peering-conn".

Peering connections (1/1) Info

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC
my-peering-conn	pcx-06503f31e6887b4f8	Pending acceptance	vpc-06aa5fa3b2fe784c9 / prod-vpc	vpc-086f813e455ccdb6c / dev-vpc

Details

Requester owner ID	251985476962	Acceptor owner ID	251985476962
Peering connection ID	pcx-06503f31e6887b4f8	Requester VPC	vpc-06aa5fa3b2fe784c9 / prod-vpc
Status	Pending Acceptance by 251985476962	Requester CIDRs	10.0.0.0/16

Accept VPC peering connection request

Are you sure you want to accept this VPC peering connection request? (pcx-06503f31e6887b4f8 / my-peering-conn)

Requester VPC	Acceptor VPC	Requester CIDRs
vpc-06aa5fa3b2fe784c9 / prod-vpc	vpc-086f813e455ccdb6c / dev-vpc	10.0.0.0/16
Acceptor CIDRs	Requester Region	Acceptor Region
-	N. Virginia (us-east-1)	N. Virginia (us-east-1)
Requester owner ID	Acceptor owner ID	VPC Peering connection ARN
251985476962 (This account)	251985476962 (This account)	arn:aws:ec2:us-east-1:251985476962:vpc-peering-connection/pcx-06503f31e6887b4f8

Accept request

Screenshot of the AWS VPC Peering connections page showing a peering connection named "pcx-06503f31e6887b4f8 / my-peering-conn".

Details

Requester owner ID	Acceptor owner ID
251985476962	251985476962
Peering connection ID	Requester VPC
pcx-06503f31e6887b4f8	vpc-06aa5fa3b2fe784c9 / prod-vpc
Status	Requester CIDRs
Active	10.0.0.0/16
Expiration time	Requester Region
-	N. Virginia (us-east-1)

VPC Peering connection ARN

arn:aws:vpc:us-east-1:251985476962:vpc-peering-connection/pcx-06503f31e6887b4f8

DNS settings

Requester VPC (vpc-06aa5fa3b2fe784c9 / prod-vpc) Info

Allow accepter VPC to resolve DNS of hosts in requester VPC to private IP addresses
Disabled

Acceptor VPC (vpc-086f813e455ccdb6c / dev-vpc) Info

Allow requester VPC to resolve DNS of hosts in accepter VPC to private IP addresses
Disabled

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Screenshot of the AWS VPC Route tables page showing the "Edit routes" section for route table "rtb-0cc5448cfdbe01faa".

Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	local	Active	No
10.1.0.0/16	Internet Gateway	Active	No
	igw-0d753ef64f6b52607	Active	No
	Peerings Connection	-	No
	pcx-06503f31e6887b4f8	Active	No

Add route Cancel Preview Save changes © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences 23°C Clear 2001 ENG IN 02-08-2025

Screenshot of the AWS VPC Route Tables page showing the 'Edit routes' section for route table rtb-0c165e5434f3cab25.

Route Table Details:

- Route 1:** Destination 10.1.0.0/16, Target local (Active), Propagated No.
- Route 2:** Destination 0.0.0.0/0, Target NAT Gateway (Active), Propagated No. (Remove button)
- Route 3:** Destination 10.0.0.0/16, Target Peering Connection (pcx-06503f31e6887b4f8) (Active), Propagated No. (Remove button)

Action Buttons: Add route, Cancel, Preview, Save changes.



Screenshot of the AWS EC2 Security Groups page showing the 'Edit inbound rules' section for security group sg-0f9dc603afb282f9d - dev-db-sg.

Inbound Rules:

Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sgr-0aaa45d7ee42362c5	All ICMP - IPv4	ICMP	All	Custom (10.0.192.0/20)	(Delete)
sgr-0fc65e2db61936d88	SSH	TCP	22	Custom (10.0.192.0/20)	(Delete)

Action Buttons: Add rule, Cancel, Preview changes, Save rules.



