

# VPC to connect Different Account:

## Create VPC:

The screenshot shows two windows side-by-side. The top window is the 'Your VPCs' dashboard, displaying a single VPC entry:

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
-	vpc-08976d9478a878ab5	Available	172.31.0.0/16	-

The bottom window is the 'CreateVpc' wizard, showing the 'Resources to create' step:

**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.  
Krish-VPC

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

IPv4 CIDR: 192.168.20.10/30  
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

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CreateVpc | VPC Console

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

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AWS Services Search [Alt+S]

IPv6 CIDR block Info

- No IPv6 CIDR block
- IPAM-allocated IPv6 CIDR block
- Amazon-provided IPv6 CIDR block
- IPv6 CIDR owned by me

Tenancy Info

Default

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key Value - optional

Name Krish-VPCC Remove tag

Add tag

You can add 49 more tags

Cancel Create VPC

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CreateVpc | VPC Console

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

Gmail YouTube Maps

AWS Services Search [Alt+S]

VPC only VPC and more

Name tag - optional

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

Krish-VPCC

IPv4 CIDR block Info

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

IPv4 CIDR

192.168.20.10/28

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

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CreateVpc | VPC Console

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

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IPv6 CIDR block Info

No IPv6 CIDR block

IPAM-allocated IPv6 CIDR block

Amazon-provided IPv6 CIDR block

IPv6 CIDR owned by me

Tenancy Info

Default

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key Value - optional

Name Krish-VPC Remove tag

Add tag

You can add 49 more tags

Cancel Create VPC

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CreateVpc | VPC Console

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

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IPv4 CIDR

192.168.20.10/24

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

IPv6 CIDR block Info

No IPv6 CIDR block

IPAM-allocated IPv6 CIDR block

Amazon-provided IPv6 CIDR block

IPv6 CIDR owned by me

Tenancy Info

Default

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key Value - optional

Name Krish-VPC Remove tag

Add tag

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CreateVpc | VPC Console

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

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IPv6 CIDR block Info

- No IPv6 CIDR block
- IPAM-allocated IPv6 CIDR block
- Amazon-provided IPv6 CIDR block
- IPv6 CIDR owned by me

Tenancy Info

Default

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key Value - optional

Name Krish-VPC Remove tag

Add tag

You can add 49 more tags

Cancel Create VPC

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

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IPv4 CIDR

192.168.100.0/26

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

IPv6 CIDR block Info

- No IPv6 CIDR block
- IPAM-allocated IPv6 CIDR block
- Amazon-provided IPv6 CIDR block
- IPv6 CIDR owned by me

Tenancy Info

Default

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key Value - optional

Name Krish-VPC Remove tag

Add tag

You can add 49 more tags

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VpcDetails | VPC Console

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#VpcDetails:VpcId=vpc-03c5b26b7fa2f4502

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Mumbai Kishore

VPC dashboard

You successfully created vpc-03c5b26b7fa2f4502 / Krish-VPC

VPC > Your VPCs > vpc-03c5b26b7fa2f4502

vpc-03c5b26b7fa2f4502 / Krish-VPC

Actions

Details Info

VPC ID vpc-03c5b26b7fa2f4502	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-00052f2cda1d12f09	Main route table rtb-0937e11a1b1b28519	Main network ACL acl-0e683b98e9fe14118
Default VPC No	IPv4 CIDR 192.168.100.0/26	IPv6 pool -	IPv6 CIDR (Network border group) -
Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups -	Owner ID 471112916582	

Resource map CIDRs Flow logs Tags Integrations

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vpc-03c5b26b7fa2f4502 | VPC Console

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Mumbai Kishore

VPC dashboard

You successfully created vpc-03c5b26b7fa2f4502 / Krish-VPC

Your VPCs (2) Info

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
-	vpc-08976d9478a878ab5	Available	172.31.0.0/16	-
Krish-VPC	vpc-03c5b26b7fa2f4502	Available	192.168.100.0/26	-

Select a VPC above

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CloudShell Feedback

# Create Subnet:

The screenshot shows the AWS VPC Subnets dashboard. On the left, there's a sidebar with 'Virtual private cloud' options like Your VPCs, Subnets, Route tables, Internet gateways, Egress-only internet gateways, DHCP option sets, Elastic IPs, Managed prefix lists, and Endpoints. The main area displays a table of subnets:

Name	Subnet ID	State	VPC	IPv4 CIDR
-	subnet-083b745f02c03314	Available	vpc-08976d9478a878ab5	172.31.16.0/24
-	subnet-0024ab5d2fa021d7f	Available	vpc-08976d9478a878ab5	172.31.32.0/24
-	subnet-09aeae7117b0c6562	Available	vpc-08976d9478a878ab5	172.31.0.0/24

A prominent orange 'Create subnet' button is located at the top right of the table area.

The screenshot shows the 'Create subnet' wizard. Step 1: VPC. It asks to 'Create subnets in this VPC.' A dropdown menu is open, showing 'vpc-03c5b26b7fa2f4502 (Krish-VPC)'. Below it, under 'Associated VPC CIDRs', is the entry '192.168.100.0/26'.

The screenshot shows the 'Create subnet' wizard. Step 2: Subnet settings. It asks to 'Specify the CIDR blocks and Availability Zone for the subnet.' A section titled 'Subnet 1 of 1' is visible, showing the CIDR '192.168.100.0/26'.

CreateVpc | VPC Console how to solve this error "Must be a valid CIDR block" when creating a VPC

Services Search [Alt+S]

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.  
Kali-VPC

**IPv4 CIDR block** Info  
 IPv4 CIDR manual input  IPAM-allocated IPv4 CIDR block  
IPv4 CIDR  
10.0.0.0/24  
CIDR block size must be between /16 and /28.

**IPv6 CIDR block** Info  
 No IPv6 CIDR block  IPAM-allocated IPv6 CIDR block  Amazon-provided IPv6 CIDR block  IPv6 CIDR owned by me

**Tenancy** Info  
Default

**Tags**  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - optional

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Screenshot of the AWS VPC Create Subnet wizard.

**VPC ID:** vpc-0ad5a84e4010c9e6a (Kali-VPC)

**Associated VPC CIDRs:** IPv4 CIDR: 192.168.100.0/24

**Subnet settings:**

**Subnet 1 of 1**

**Subnet name:** KrishPublic

**Availability Zone:** Asia Pacific (Mumbai) / ap-south-1a

**IPv4 VPC CIDR block:** 192.168.100.0/24

**IPv4 subnet CIDR block:** 192.168.100.0/26 (64 IPs)

**Tags - optional:** Remove

CloudShell and Feedback tabs are visible at the bottom of the wizard.

CreateSubnet | VPC Console

how to solve this error "Must b...

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AWS Services Search [Alt+S]

Subnet 1 of 1

Subnet name: KrishPrivate

Availability Zone: Asia Pacific (Mumbai) / ap-south-1a

IPv4 VPC CIDR block: 192.168.100.0/24

IPv4 subnet CIDR block: 192.168.100.64/26 (64 IPs)

Tags - optional: Remove

CloudShell Feedback

subnets | VPC Console

CloudShell Feedback

VPC dashboard

Subnets (5) Info

Name	Subnet ID	State	VPC	IPv4 CIDR
-	subnet-083b745f02c03314	Available	vpc-08976d9478a878ab5	172.31.
-	subnet-0024ab5d2fa021d7f	Available	vpc-08976d9478a878ab5	172.31.
-	subnet-09aae7117b0c6562	Available	vpc-08976d9478a878ab5	172.31.
KrishPublic	subnet-081fcded59facd2e8	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KrishPrivate	subnet-06f9a52c9f5666396	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.

Select a subnet

CloudShell Feedback

CloudShell Feedback

CreateSubnet | VPC Console X how to solve this error "Must b... X +

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aws Services Search [Alt+S]

Subnet 1 of 1

Subnet name Create a tag with a key of 'Name' and a value that you specify. KrishPrivate 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-1

IPv4 VPC CIDR block Info Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block. 192.168.100.0/24

IPv4 subnet CIDR block 192.168.100.64/26 64 IPs < > ^ v

Tags - optional Key Name Value - optional Value - optional Q KrishPrivate Remove

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Subnets | VPC Management Co... X how to solve this error "Must b... X +

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aws Services Search [Alt+S]

VPC dashboard X You have successfully created 1 subnet: subnet-049fc6787766f6202

Subnets (1) Info Subnet ID : subnet-049fc6787766f6202 X Clear filters

Name	Subnet ID	State	VPC	IPv4 CIDR
KrishPrivate	subnet-049fc6787766f6202	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.1...

Select a subnet

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Screenshot of the AWS VPC Console showing the creation of two subnets: KaliPublic and KaliPrivate.

**KaliPublic Subnet Configuration:**

- Subnet name:** KaliPublic
- Availability Zone:** Asia Pacific (Mumbai) / ap-south-1b
- IPv4 CIDR block:** 192.168.100.0/24
- IPv4 subnet CIDR block:** 192.168.100.128/26 (64 IPs)
- Tags - optional:** None

**KaliPrivate Subnet Configuration:**

- Subnet name:** KaliPrivate
- Availability Zone:** Asia Pacific (Mumbai) / ap-south-1b
- IPv4 CIDR block:** 192.168.100.0/24
- IPv4 subnet CIDR block:** 192.168.100.192/26 (64 IPs)
- Tags - optional:** Key: Name Value: KaliPrivate

The screenshots show the AWS interface with tabs for CloudShell and Feedback, and a system tray at the bottom indicating weather (87°F, Mostly cloudy), time (21:27, 11-06-2024), and network status.

subnets | VPC Console

how to solve this error "Must b...

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

Gmail YouTube Maps

AWS Services Search [Alt+S]

VPC dashboard

You have successfully created 1 subnet: subnet-059514da118a45987

Subnets (7) Info

Name	Subnet ID	State	VPC	IPv4 CIDR
-	subnet-0024ab3d2fa021d7f	Available	vpc-08976d9478a878ab5	172.31.
-	subnet-09aeae7117b0c6562	Available	vpc-08976d9478a878ab5	172.31.
KrishPublic	subnet-081fcded59facd2e8	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KrishPrivate	subnet-049fc6787766f6202	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KaliPublic	subnet-0c7282ba0c4dd1f55	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KaliPrivate	subnet-059514da118a45987	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.

Select a subnet

CloudShell Feedback

87°F Mostly cloudy

Search

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ENG US 21:28 11-06-2024

subnets | VPC Console

how to solve this error "Must b...

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

Gmail YouTube Maps

AWS Services Search [Alt+S]

VPC dashboard

You have successfully created 1 subnet: subnet-059514da118a45987

Subnets (1/7) Info

Name	Subnet ID	State	VPC	IPv4 CIDR
-	subnet-0024ab3d2fa021d7f	Available	vpc-08976d9478a878ab5	172.31.
-	subnet-09aeae7117b0c6562	Available	vpc-08976d9478a878ab5	172.31.
<input checked="" type="checkbox"/> KrishPublic	subnet-081fcded59facd2e8	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KrishPrivate	subnet-049fc6787766f6202	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KaliPublic	subnet-0c7282ba0c4dd1f55	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KaliPrivate	subnet-059514da118a45987	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.

subnet-081fcded59facd2e8 / KrishPublic

Details Flow logs Route table Network ACL CIDR reservations Sharing Tags

Details

CloudShell Feedback

87°F Mostly cloudy

Search

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ENG US 21:28 11-06-2024

# Create Route Table:

The screenshot shows the AWS VPC Console interface. On the left, a sidebar navigation bar includes 'VPC dashboard', 'EC2 Global View', 'Filter by VPC' (with a dropdown menu 'Select a VPC'), and sections for 'Virtual private cloud' (Your VPCs, Subnets, Route tables), 'Internet gateways', 'Egress-only internet gateways', 'DHCP option sets', 'Elastic IPs', 'Managed prefix lists', and 'Endpoints'. The 'Route tables' section is currently selected. The main content area displays a table titled 'Route tables (1) Info' with one entry: 'rtb-07fae1213bf7f437e'. Below the table is a section titled 'Select a route table' with three icons: a magnifying glass, a plus sign, and a minus sign. At the bottom of the page, there is a footer bar with links for CloudShell, Feedback, and various AWS services like Lambda, S3, and CloudWatch.

**Route tables (1) Info**

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
-	rtb-07fae1213bf7f437e	-	-	Yes	VPC

Select a route table

**Route table settings**

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

VPC  
The VPC to use for this route table.  
vpc-0ad5a84e4010c9e6a (Kali-VPC)

**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 - <i>optional</i>
Q Name	Q KaliRT X Remove

Add new tag

You can add 49 more tags.

Cancel Create route table

**CloudShell Feedback**

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ENG US 21:31 11-06-2024

RouteTableDetails | VPC Console

Route table rtb-08dc09e3e584d067 | KaliRT was created successfully.

Details Info

Route table ID rtb-08dc09e3e584d067	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-0ad5a84e4010c9e6a   Kali-VPC	Owner ID 471112916582		

Routes Subnet associations Edge associations Route propagation Tags

Both Edit routes < 1 >

**Routes (1)**

Destination	Target	Status	Propagated
192.168.100.0/24	local	Active	No

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CloudShell Feedback

subnets | VPC Console

Route tables Subnets

Subnets (1/7) Info

Name	Subnet ID	State	VPC	Actions
-	subnet-083b745f202c03314	Available	vpc-0ad5a84e4010c9e6a	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
-	subnet-0024ab3d2fa021d7f	Available	vpc-0ad5a84e4010c9e6a	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
-	subnet-09aae7117b0c6562	Available	vpc-0ad5a84e4010c9e6a	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
KrishPublic	subnet-081fcded59facd2e8	Available	vpc-0ad5a84e4010c9e6a	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
KrishPrivate	subnet-049fc6787766f6202	Available	vpc-0ad5a84e4010c9e6a	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
KaliPublic	subnet-0c7282ba0c4dd1f55	Available	vpc-0ad5a84e4010c9e6a	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
KaliPrivate	subnet-059514da118a45987	Available	vpc-0ad5a84e4010c9e6a	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

subnet-081fcded59facd2e8 / KrishPublic

Details Flow logs Route table Network ACL CIDR reservations Sharing Tags

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S&P 500

Screenshot of the AWS VPC Management Console showing the 'Edit subnet settings' page and the 'VPC dashboard' page.

**Edit subnet settings**

**Subnet**

Subnet ID subnet-081fcded59facd2e8	Name KrishPublic
---------------------------------------	---------------------

**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

Enable auto-assign customer-owned IPv4 address

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.

**VPC dashboard**

You have successfully changed subnet settings:

- Enable auto-assign public IPv4 address

**Subnets (1/7)**

Name	Subnet ID	State	VPC	IPv4 CIDR
-	subnet-083b745f202c03314	Available	vpc-08976d9478a878ab5	172.31.
-	subnet-0024ab3d2fa021d7f	Available	vpc-08976d9478a878ab5	172.31.
-	subnet-09aae7117b0c6562	Available	vpc-08976d9478a878ab5	172.31.
KrishPublic	subnet-081fcded59facd2e8	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KrishPrivate	subnet-049fc6787766f6202	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
<input checked="" type="checkbox"/> KaliPublic	subnet-0c7282ba0c4dd1f55	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.

**subnet-0c7282ba0c4dd1f55 / KaliPublic**

[Details](#) | [Flow logs](#) | [Route table](#) | [Network ACL](#) | [CIDR reservations](#) | [Sharing](#) | [Tags](#)

Screenshot of the AWS VPC Management Console showing the configuration of subnet settings.

The top window shows the "EditSubnetSettings" page for a specific subnet. It includes sections for "Resource-based name (RBN) settings" and "DNS64 settings". Under RBN settings, "Enable auto-assign customer-owned IPv4 address" is disabled because no customer owned pools are found. Under DNS64 settings, "Enable DNS64" is selected. A "Save" button is visible at the bottom right.

The middle window shows the "Subnets" page with a success message: "You have successfully changed subnet settings: Enable auto-assign public IPv4 address". The table lists seven subnets:

Name	Subnet ID	State	VPC	IPv4 CIDR
-	subnet-0024ab3d2fa021d7f	Available	vpc-08976d9478a878ab5	172.31.
-	subnet-09aeae7117b0c6562	Available	vpc-08976d9478a878ab5	172.31.
KrishPublic	subnet-081fcded59facd2e8	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KrishPrivate	subnet-049fc6787766f6202	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KaliPublic	subnet-0c7282ba0c4dd1f55	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.
KaliPrivate	subnet-059514da118a45987	Available	vpc-0ad5a84e4010c9e6a   Kali...	192.168.

The bottom window shows the "VPC dashboard" page, which includes a sidebar with options like EC2 Global View, Filter by VPC, Virtual private cloud, Subnets, Route tables, Internet gateways, Egress-only internet gateways, DHCP option sets, Elastic IPs, Managed prefix lists, Endpoints, and Federated services.

The screenshot shows two separate sessions of the AWS VPC Console, both titled "CreateRouteTable | VPC Console".

**Session 1 (Top):**

- Route table settings:**
  - Name: Kali RT
  - VPC: vpc-0ad5a84e4010c9e6a (Kali-VPC)
- Tags:**
  - Key: Name, Value: Kali RT

**Session 2 (Bottom):**

- Route table settings:**
  - Name: Krish RT
  - VPC: vpc-0ad5a84e4010c9e6a (Kali-VPC)
- Tags:**
  - Key: Name, Value: Krish RT

Both sessions show the same basic interface with tabs for CloudShell and Feedback, and a system tray at the bottom indicating 86°F, Partly cloudy, and the date/time 11-06-2024.

RouteTableDetails | VPC Console how to solve this error "Must be a valid route target" ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-04692b87922d9b883

Gmail YouTube Maps

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 Federated services CloudShell Feedback

86°F Partly cloudy

Route table rtb-04692b87922d9b883 | Krish RT was created successfully.

rtb-04692b87922d9b883 / Krish RT

Actions

Details Info

Route table ID rtb-04692b87922d9b883	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-0ad5a84e4010c9e6a   Kali- VPC	Owner ID 471112916582		

Routes Subnet associations Edge associations Route propagation Tags

Routes (1)

Destination	Target	Status	Propagated
192.168.100.0/24	local	Active	No

Both Edit routes

Filter routes

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CloudShell Feedback

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RouteTableDetails | VPC Console how to solve this error "Must be a valid route target" ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-04692b87922d9b883

Gmail YouTube Maps

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 Federated services CloudShell Feedback

86°F Partly cloudy

Route table rtb-04692b87922d9b883 | Krish RT was created successfully.

rtb-04692b87922d9b883 / Krish RT

Actions

Details Info

Route table ID rtb-04692b87922d9b883	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-0ad5a84e4010c9e6a   Kali- VPC	Owner ID 471112916582		

Routes Subnet associations Edge associations Route propagation Tags

Routes (1)

Destination	Target	Status	Propagated
192.168.100.0/24	local	Active	No

Both Edit routes

Filter routes

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RouteTables | VPC Console

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

Gmail YouTube Maps

AWS Services Search [Alt+S]

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

Feedback CloudShell

86°F Partly cloudy

Route tables (1/4) Info

Name Route table ID Explicit subnet associations Edge associations Main VPC

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
-	rtb-0bfaeb712d7df5ed2	-	-	Yes	vp
-	rtb-07fae1213bf7f437e	-	-	Yes	vp
<input checked="" type="checkbox"/> Kali RT	rtb-06e7d0ec3cfa39494	-	-	No	vp
<input type="checkbox"/> Krish RT	rtb-04692b87922d9b883	-	-	No	vp

Details Routes Subnet associations Edge associations Route propagation Tags

Explicit subnet associations (0)

Name Subnet ID IPv4 CIDR IPv6 CIDR

No subnet associations

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The screenshot shows the AWS VPC Route Tables console. On the left, there's a sidebar with navigation links like EC2 Global View, Filter by VPC, Virtual private cloud, and Route tables. The main area displays a table of route tables with columns for Name, Route table ID, Explicit subnet associations, Edge associations, Main, and VPC. One route table, 'Kali RT', is selected and has its details shown in a modal below. The modal includes tabs for Details, Routes, Subnet associations (which is currently selected), Edge associations, Route propagation, and Tags. It also shows a table for explicit subnet associations with columns for Name, Subnet ID, IPv4 CIDR, and IPv6 CIDR. A note at the bottom of the modal says 'No subnet associations'.

# Create Subnet Associations:

The screenshot shows the AWS VPC Management Console interface. At the top, there's a browser bar with the URL [ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#EditRouteTableSubnetAssociations](https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#EditRouteTableSubnetAssociations). Below the browser bar is the AWS navigation bar with services like CloudShell and Feedback.

The main content area is titled "Edit subnet associations". It displays a table of "Available subnets (2/4)" and a list of "Selected subnets".

**Available subnets (2/4)**

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
KrishPublic	subnet-081fcded59facd2e8	192.168.100.0/26	-	Main (rtb-0bfaeb712d7df5ed2)
KrishPrivate	subnet-049fc6787766f6202	192.168.100.64/26	-	Main (rtb-0bfaeb712d7df5ed2)
<input checked="" type="checkbox"/> KaliPublic	subnet-0c7282ba0c4dd1f55	192.168.100.128/26	-	Main (rtb-0bfaeb712d7df5ed2)
<input checked="" type="checkbox"/> KaliPrivate	subnet-059514da118a45987	192.168.100.192/26	-	Main (rtb-0bfaeb712d7df5ed2)

**Selected subnets**

- subnet-0c7282ba0c4dd1f55 / KaliPublic
- subnet-059514da118a45987 / KaliPrivate

At the bottom right of the "Edit subnet associations" window are "Cancel" and "Save associations" buttons.

**VPC dashboard**

The left sidebar shows the VPC dashboard with sections for EC2 Global View, Filter by VPC, Virtual private cloud (Your VPCs, Subnets), Route tables (Internet gateways, Egress-only internet gateways, DHCP option sets, Elastic IPs, Managed prefix lists, Endpoints), and CloudShell/Feedback.

**Route tables (1/4) Info**

Name	Route table ID	Explicit subnet assoc...	Edge associations	Main	VP
-	rtb-0bfaeb712d7df5ed2	-	-	Yes	vp
-	rtb-07fae1213bf7f437e	-	-	Yes	vp
Kali RT	rtb-06e7d0ec3cfa39494	2 subnets	-	No	vp
<input checked="" type="checkbox"/> Krish RT	rtb-04692b87922d9b883	-	-	No	vp

**rtb-04692b87922d9b883 / Krish RT**

Details | Routes | **Subnet associations** | Edge associations | Route propagation | Tags

**Explicit subnet associations (0)**

At the bottom right of the "Route tables" section are "Create route table" and "Actions" buttons.

Screenshot of the AWS VPC console showing the 'Edit subnet associations' dialog. The dialog lists available subnets and selected subnets for association with a route table.

**Available subnets (2/4)**

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
KrishPublic	subnet-081fcded59facd2e8	192.168.100.0/26	-	Main (rtb-0bfaeb712d7df5ed2)
KrishPrivate	subnet-049fc6787766f6202	192.168.100.64/26	-	Main (rtb-0bfaeb712d7df5ed2)
KaliPublic	subnet-0c7282ba0c4dd1f55	192.168.100.128/26	-	rtb-06e7d0ec3cfa39494 / Kali RT
KaliPrivate	subnet-059514da118a45987	192.168.100.192/26	-	rtb-06e7d0ec3cfa39494 / Kali RT

**Selected subnets**

- subnet-081fcded59facd2e8 / KrishPublic
- subnet-049fc6787766f6202 / KrishPrivate

**Edit subnet associations**

Change which subnets are associated with this route table.

**Available subnets (2/4)**

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
KrishPublic	subnet-081fcded59facd2e8	192.168.100.0/26	-	rtb-04692b87922d9b883 / Krish
<input checked="" type="checkbox"/> KrishPrivate	<input checked="" type="checkbox"/> subnet-049fc6787766f6202	<input checked="" type="checkbox"/> 192.168.100.64/26	<input checked="" type="checkbox"/> -	<input checked="" type="checkbox"/> rtb-04692b87922d9b883 / Krish
KaliPublic	subnet-0c7282ba0c4dd1f55	192.168.100.128/26	-	rtb-06e7d0ec3cfa39494 / Kali RT
<input checked="" type="checkbox"/> KaliPrivate	<input checked="" type="checkbox"/> subnet-059514da118a45987	<input checked="" type="checkbox"/> 192.168.100.192/26	<input checked="" type="checkbox"/> -	<input checked="" type="checkbox"/> rtb-06e7d0ec3cfa39494 / Kali RT

**Selected subnets**

- subnet-059514da118a45987 / KaliPrivate
- subnet-049fc6787766f6202 / KrishPrivate

**Save associations**

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**EditRouteTableSubnetAssociations** X Meet - xpd-pdhz-aew

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#EditRouteTableSubnetAssociations:RouteTableId=rtb-04692b87922d9b883

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AWS Services Search [Alt+S]

## Edit subnet associations

Change which subnets are associated with this route table.

**Available subnets (2/4)**

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/> KrishPublic	subnet-081fcded59facd2e8	192.168.100.0/26	-	rtb-04692b87922d9b883 / Public RT
<input type="checkbox"/> KrishPrivate	subnet-049fc6787766f6202	192.168.100.64/26	-	rtb-06e7d0ec3cfa39494 / Private RT
<input checked="" type="checkbox"/> KaliPublic	subnet-0c7282ba0c4dd1f55	192.168.100.128/26	-	Main (rtb-0bfaeb712d7df5ed2)
<input type="checkbox"/> KaliPrivate	subnet-059514da118a45987	192.168.100.192/26	-	rtb-06e7d0ec3cfa39494 / Private RT

**Selected subnets**

- subnet-081fcded59facd2e8 / KrishPublic
- subnet-0c7282ba0c4dd1f55 / KaliPublic

Cancel Save associations

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Route tables | VPC Management X Meet - xpd-pdhz-aew

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

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AWS Services Search [Alt+S]

## VPC dashboard

You have successfully updated subnet associations for rtb-04692b87922d9b883 / Public RT.

**Route tables (4) Info**

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VP
-	rtb-0bfaeb712d7df5ed2	-	-	Yes	VP
-	rtb-07fae1213bf7f437e	-	-	Yes	VP
Private RT	rtb-06e7d0ec3cfa39494	2 subnets	-	No	VP
Public RT	rtb-04692b87922d9b883	2 subnets	-	No	VP

Select a route table

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# Create Internet Gateway:

The screenshot shows two windows from the AWS VPC Console.

**Top Window: Internet Gateways List**

The title bar says "igws | VPC Console". The address bar shows "ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#igws;". The main content is titled "Internet gateways (1) Info". It lists one internet gateway:

Name	Internet gateway ID	State	VPC ID
-	igw-0d3912090b5fe655b	Attached	vpc-08976d9478a878ab5

**Bottom Window: Create Internet Gateway Wizard**

The title bar says "Create internet gateway | VPC". The address bar shows "ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateInternetGateway;". The main content is titled "Create internet gateway Info".  
The "Internet gateway settings" section contains a "Name tag" field with the value "Kali-Internet-Gateway".  
The "Tags - optional" section shows a single tag: "Name" (Key) and "Kali-Internet-Gateway" (Value).  
A button at the bottom right says "Create internet gateway".  
Both windows have a standard Windows taskbar at the bottom with icons for File Explorer, Task View, and other applications.

InternetGateway | VPC Console

Meet - xpd-pdhz-aew

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#InternetGateway:id=igw-0446e25dab7779e54

Gmail YouTube Maps

AWS Services Search [Alt+S]

VPC dashboard X

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 Federated services CloudShell Feedback

The following internet gateway was created: igw-0446e25dab7779e54 - Kali-Internet-Gateway. You can now attach to a VPC to enable the VPC to communicate with the internet.

Attach to a VPC

VPC > Internet gateways > igw-0446e25dab7779e54 igw-0446e25dab7779e54 / Kali-Internet-Gateway Actions

Details Info

Internet gateway ID igw-0446e25dab7779e54	State Detached	VPC ID -	Owner 471112916582
--	-------------------	-------------	-----------------------

Tags

Search tags	Manage tags
Key Value	< 1 >
Name Kali-Internet-Gateway	

CloudShell Feedback

86°F Partly cloudy Meet - xpd-pdhz-aew ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#igws:

Gmail YouTube Maps

AWS Services Search [Alt+S]

VPC dashboard X

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 Federated services CloudShell Feedback

Internet gateways (1/2) Info

Name	Internet gateway ID	State	Actions
-	igw-0d3912090b5fe655b	Attached	View details Attach to VPC Detach from VPC Manage tags Delete internet gateway
<input checked="" type="checkbox"/> Kali-Internet-Gateway	igw-0446e25dab7779e54	Detached	View details Attach to VPC Detach from VPC Manage tags Delete internet gateway

igw-0446e25dab7779e54 / Kali-Internet-Gateway

Details Tags

Internet gateway ID igw-0446e25dab7779e54	State Detached	VPC ID -	Owner 471112916582
--	-------------------	-------------	-----------------------

CloudShell Feedback

86°F Partly cloudy Meet - xpd-pdhz-aew ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#igws:

Gmail YouTube Maps

AWS Services Search [Alt+S]

VPC dashboard X

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 Federated services CloudShell Feedback

Screenshot of the AWS VPC console showing the process of attaching an Internet Gateway to a VPC.

The screenshot shows two windows side-by-side:

**Top Window (Attach internet gateway | VPC):**

- URL: ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#AttachInternetGateway:internetGatewayId=igw-0446e25dab7779e54
- Search bar: Search [Alt+S]
- Services menu: AWS Services
- VPC section: Available VPCs dropdown (selected: vpc-0ad5a84e4010c9e6a)
- Buttons: Cancel, Attach internet gateway

**Bottom Window (Internet gateway igw-0446e25dab7779e54 successfully attached to vpc-0ad5a84e4010c9e6a):**

- URL: ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#InternetGateway:internetGatewayId=igw-0446e25dab7779e54
- Search bar: Search [Alt+S]
- Services menu: AWS Services
- VPC dashboard sidebar:
  - EC2 Global View
  - 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
- Internet gateway details:
  - Internet gateway ID: igw-0446e25dab7779e54
  - State: Attached
  - VPC ID: vpc-0ad5a84e4010c9e6a | Kali-VPC
  - Owner: 471112916582
- Tags table:

Key	Value
Name	Kali-Internet-Gateway
- Actions button

## **Create Peering Connection:**

Screenshot of the AWS VPC Peering Connections console showing a pending acceptance request.

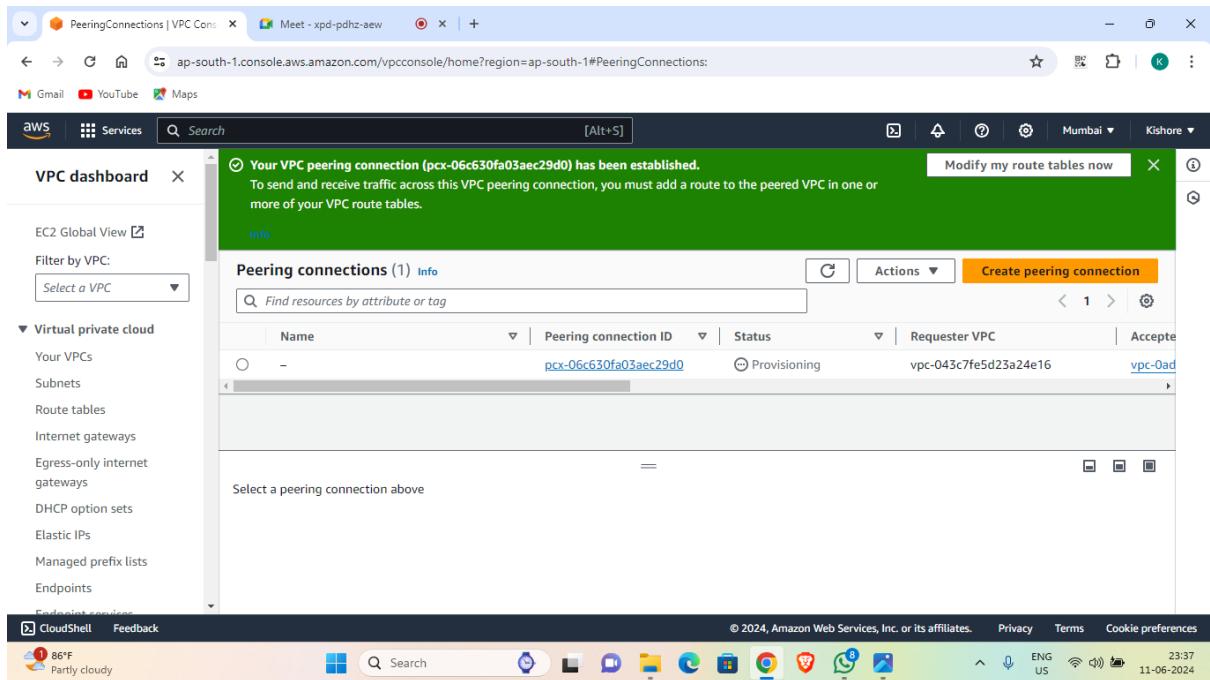
The screenshot shows two identical views of the AWS VPC Peering Connections console. Both views are titled "Peering connections (1/1) Info".

**Top View (Pending Acceptance):**

- Table Headers:** Name, Peering connection ID, Status, Requester VPC, Acceptor VPC.
- Table Data:** A single row for peering connection `pcx-06c630fa03aec29d0`, status `Pending acceptance`, requester `vpc-043c7fe5d23a24e16`, acceptor `vpc-0ad5a84e4010c9e6a`.
- Message Box:** "Pending acceptance. You can accept or reject this peering connection request using the 'Actions' menu. You have until Tuesday, June 18, 2024 at 23:34:38 GMT+5:30 to accept or reject the request, otherwise it expires."
- Details Tab:** Shows the peering connection details.

**Bottom View (Accept Request Confirmation):**

- Accept VPC peering connection request Info Dialog:**
  - Question:** Are you sure you want to accept this VPC peering connection request? (`pcx-06c630fa03aec29d0`)
  - Requester Details:** Requester VPC `vpc-043c7fe5d23a24e16`, Requester CIDRs `192.168.10.0/24`.
  - Acceptor Details:** Acceptor VPC `vpc-0ad5a84e4010c9e6a / Kali-VM`, Acceptor CIDRs `-`, Acceptor Region `Mumbai (ap-south-1)`.
  - User Input:** Requester owner ID `339712782315`, Acceptor owner ID `471112916582 (This account)`.
  - Buttons:** Cancel, Accept request.



## Create EC2 Instance ( or )

**Launch Instances for Windows 2022:**

The image shows two screenshots of the AWS console interface. The top screenshot is the 'Console Home' page, displaying 'Recently visited' services (IAM, EC2) and an 'Applications' section which is currently empty. The bottom screenshot is the 'Instances' page under the EC2 service, showing a list of instances that is also currently empty. Both screenshots are taken from a Windows desktop environment.

**Console Home**

- Recently visited: IAM, EC2
- Applications (0): Create application
- No applications
- Create application
- Go to myApplications

**Instances**

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



The screenshot shows the AWS EC2 Launch Instances wizard. The current step is "Configure Instance Details".

**Software Image (AMI)**: Microsoft Windows Server 2022 Base (ami-0f346136f3b572267) - Free tier eligible.

**Virtualization**: hvm - ENA enabled: true - Root device type: ebs

**Description**: Microsoft Windows Server 2022 Full Locale English AMI provided by Amazon

**Architecture**: 64-bit (x86) - **AMI ID**: ami-0f346136f3b572267 - **Verified provider**

**Instance type**: t2.micro - **Family**: t2 - 1 vCPU - 1 GiB Memory - Current generation: true - Free tier eligible.

**Additional costs apply for AMIs with pre-installed software**

**Summary** (Right Panel):

- Number of instances**: 1
- Software Image (AMI)**: Microsoft Windows Server 2022
- Virtual server type (instance type)**: t2.micro
- Firewall (security group)**: New security group
- Storage (volumes)**: 1 volume(s) - 30 GiB

**Buttons**: Cancel, Launch instance, Review commands.

The screenshot shows the AWS EC2 Launch Instances wizard. The user is configuring the network settings for a new instance. In the 'Network settings' section, the VPC is set to 'vpc-08976d9478a878ab5' (172.31.0.0/16), and the subnet is 'No preference'. The 'Auto-assign public IP' option is enabled. Under 'Firewall (security groups)', the user has selected 'Create security group' and named it 'KaliPublic'. The summary on the right indicates 1 instance will be launched with the Microsoft Windows Server 2022 AMI, t2.micro instance type, and 1 volume(s) - 30 GiB storage. The 'Launch instance' button is highlighted.

Number of instances: 1

Software Image (AMI): Microsoft Windows Server 2022

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 30 GiB

Launch instance

The screenshot shows the AWS EC2 Launch Instances wizard at step 5, titled "Configure security group". The "Inbound Security Group Rules" section is displayed, showing one rule:

- Type: rdp
- Protocol: TCP
- Port range: 3389
- Source type: Anywhere
- Description: e.g. SSH for admin desktop

A warning message states: "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." Below this is an "Add security group rule" button and an "Advanced network configuration" link.

The "Summary" section on the right shows:

- Number of instances: 1
- Software Image (AMI): Microsoft Windows Server 2022
- Virtual server type (instance type): t2.micro
- Firewall (security group): New security group
- Storage (volumes): 1 volume(s) - 30 GiB

At the bottom are "Cancel" and "Launch instance" buttons, and a "Review commands" link.

The browser toolbar includes CloudShell, Feedback, and various icons. The status bar shows the date as 11-06-2024 and time as 23:48.

The screenshot shows the "Configure storage" section of the wizard. It displays a single volume configuration:

- Volume Type: Standard
- Volume Size: 30 GiB
- Volume Name: /dev/sda1
- Volume Description: New volume

Below this is an "Advanced" link.

The "Summary" section on the right is identical to the previous screenshot, showing 1 instance, Windows Server 2022 AMI, t2.micro instance type, and 30 GiB storage.

At the bottom are "Cancel" and "Launch instance" buttons, and a "Review commands" link.

The browser toolbar includes CloudShell, Feedback, and various icons. The status bar shows the date as 11-06-2024 and time as 23:49.

The screenshot shows the AWS VPC Console interface. A security group rule is being configured for an EC2 instance. The rule allows all traffic from anywhere (0.0.0.0/0) to port 22 (SSH). A warning message states: "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." An "Add security group rule" button is visible. On the right, the "Summary" section shows 1 instance, Microsoft Windows Server 2022 AMI, t2.micro instance type, and 1 volume (30 GiB). A large orange "Launch instance" button is prominent.

**Security group rule 2 (All, All, 0.0.0.0/0)**

Type: All traffic | Protocol: All | Port range: All

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

0.0.0.0/0

⚠️ 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.

Add security group rule

Advanced network configuration

**Configure storage**

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Meet - xpd-pdhz-aew igws | VPC Console Launch an instance | EC2 ap-south-1#LaunchInstances: Gmail YouTube Maps

**EC2 > Instances > Launch an instance**

Launching instance  
Creating security group rules 21%

Please wait while we launch your instance.  
Do not close your browser while this is loading.

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Meet - xpd-pdhz-aew igws | VPC Console Launch an instance | EC2 ap-south-1#LaunchInstances: Gmail YouTube Maps

Screenshot of the AWS EC2 Instances launch process and instance details.

**Launch an instance - EC2 | ap-south-1**

**Success**  
Successfully initiated launch of instance (i-07745ad8a4e7ea01b)

**Next Steps**

- Create billing and free tier usage alerts
- Connect to your instance
- Connect an RDS database
- Create EBS snapshot policy

**Instances (1/1) - i-07745ad8a4e7ea01b (Windows 2022)**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Windows 2022	i-07745ad8a4e7ea01b	Running	t2.micro	Initializing	View alarms	ap-south-1b

**Details**

Instance ID	Public IPv4 address	Private IPv4 addresses
i-07745ad8a4e7ea01b (Windows 2022)	65.1.130.97   open address	192.168.100.187
IPv6 address	Instance state	Public IPv4 DNS
-	Running	-

The screenshot shows the AWS EC2 Instances page with one instance listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Windows 2022	i-07745ad8a4e7ea01b	Running	t2.micro	Initializing	View alarms	ap-south-1b

The instance details page for i-07745ad8a4e7ea01b (Windows 2022) is displayed, showing the following information:

Instance summary	Info
Instance ID: i-07745ad8a4e7ea01b (Windows 2022)	Public IPv4 address: 65.1.130.97   <a href="#">open address</a>
IPv6 address: -	Instance state: Running
	Private IPv4 addresses: 192.168.100.187
	Public IPv4 DNS: -

A Run dialog box is open in the foreground, prompting the user to enter a command to run on the instance. The command "mshta" is currently entered in the Open field.

The screenshot shows two instances of the AWS Management Console EC2 service running side-by-side. Both instances are titled "Meet - xpd-pdhz-aew" and "igws | VPC Console".

The top instance displays the "Remote Desktop Connection" dialog box. It shows the computer address as "65.1.130.97" and the instance name as "Windows 2022" (i-07745ad8a4e7ea01b). The "Connect" button is visible.

The bottom instance shows the EC2 Instances page with one instance listed: "i-07745ad8a4e7ea01b (Windows 2022)". The instance is in the "Running" state. A tooltip for the Public IPv4 address "65.1.130.97" says "Public IPv4 address copied". The "See details" link is also visible.

A modal dialog box is overlaid on both instances, titled "Remote Desktop Connection". It contains the message: "Remote Desktop can't connect to the remote computer for one of these reasons:  
1) Remote access to the server is not enabled  
2) The remote computer is turned off  
3) The remote computer is not available on the network". It includes a "OK" button.

The status bar at the bottom of both browser windows shows the date and time as "12-06-2024" and "00:05".

The screenshot displays two windows side-by-side, both showing the AWS CloudShell interface.

**Top Window:**

- Address bar: ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#GetWindowsPassword:instanceId=i-07745ad8a4e7ea01b
- Content: A modal dialog titled "Get Windows password" with a large input field, a "Cancel" button, and a "Decrypt password" button.

**Bottom Window:**

- Address bar: ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances
- Sidebar: EC2 Dashboard, EC2 Global View, Events, Instances (selected), Instances Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images (selected), AMIs, AMI Catalog, Elastic Block Store.
- Main Content:
  - Table: Instances (1/1) Info. One row: Name: Windows 2022, Instance ID: i-07745ad8a4e7ea01b, Instance state: Running, Instance type: t2.micro.
  - Actions menu for the instance: Connect, View details, Manage instance state (selected), Instance settings, Networking, Security (selected), Image and templates, Monitor and troubleshoot.
  - Details tab for instance i-07745ad8a4e7ea01b (Windows 2022):
    - Instance summary: Instance ID: i-07745ad8a4e7ea01b (Windows 2022), Public IPv4 address: 65.1.130.97, Private IPv4 addresses: 192.168.100.187, Instance state: Running.

Meet - xpd-pdhz-aew

RouteTables | VPC Console

Instances | EC2 | ap-south-1

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

Route table ID: rtb-04692b87922d9b883 / Public RT

Main: No

Explicit subnet associations: 2 subnets

Edge associations: -

Details

Route table ID: rtb-04692b87922d9b883

Main: No

Explicit subnet associations: 2 subnets

Edge associations: -

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Search

RouteTableDetails | VPC Console

Instances | EC2 | ap-south-1

Route table ID: rtb-04692b87922d9b883 / Public RT

Details

Route table ID: rtb-04692b87922d9b883

Main: No

Explicit subnet associations: 2 subnets

Edge associations: -

VPC: vpc-0ad5a84e4010c9e6a | Kali-VMC

Owner ID: 471112916582

Routes

Subnet associations

Edge associations

Route propagation

Tags

Both Edit routes

Filter routes

Destination: 192.168.100.0/24

Target: local

Status: Active

Propagated: No

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Meet - xpd-pdhz-aew EditRoutes | VPC Console Instances | EC2 | ap-south-1

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AWS Services Search [Alt+S]

VPC > Route tables > rtb-04692b87922d9b883 > Edit routes

## Edit routes

Destination	Target	Status	Propagated
192.168.100.0/24	local	Active	No
0.0.0.0/0	Internet Gateway	-	No
	igw-0446e25dab7779e54		

Add route Remove

Cancel Preview Save changes

CloudShell Feedback 84°F Partly cloudy 01:09 12-06-2024

Meet - xpd-pdhz-aew EditRoutes | VPC Console Instances | EC2 | ap-south-1

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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 Edgepoint services

Updated routes for rtb-04692b87922d9b883 / Public RT successfully

Details Info

Route table ID rtb-04692b87922d9b883	Main No	Explicit subnet associations 2 subnets	Edge associations -
VPC vpc-0ad5a84e4010c9e6a   Kali-VPC	Owner ID 471112916582		

Actions

Details Info

Routes Subnet associations Edge associations Route propagation Tags

Routes (2)

Both Edit routes

Filter routes

CloudShell Feedback 84°F Partly cloudy 01:09 12-06-2024

The screenshot shows the AWS Management Console interface for the EC2 service. The main window displays a list of instances under the 'Instances' tab. One instance, 'Windows 2022' (Instance ID: i-07745ad8a4e7ea01b), is selected and shown in detail. The instance is running on an t2.micro instance type and has passed 2/2 checks. The 'Details' tab is active, showing the instance summary, which includes its public IPv4 address (65.1.130.97), private IPv4 addresses (192.168.100.187), and public IPv4 DNS. The instance state is listed as 'Running'. A context menu is open over the selected instance, with the 'Connect' option highlighted.

Instances (1/1) Info

Windows 2022 | i-07745ad8a4e7ea01b | Running | t2.micro | 2/2 checks passed | ap-south-1

i-07745ad8a4e7ea01b (Windows 2022)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary

Instance ID: i-07745ad8a4e7ea01b (Windows 2022)

Public IPv4 address: 65.1.130.97 | open address

Private IPv4 addresses: 192.168.100.187

IPv6 address: -

Instance state: Running

Public IPv4 DNS: -

Windows Security

Enter your credentials

These credentials will be used to connect to 65.1.130.97.

administrator

\*\*\*\*\*

Remember me

OK | Cancel

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability

Windows 2022 | i-07745ad8a4e7ea01b | Running | t2.micro | 2/2 checks passed | View alarms | ap-south-1

i-07745ad8a4e7ea01b (Windows 2022)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary

Instance ID: i-07745ad8a4e7ea01b (Windows 2022)

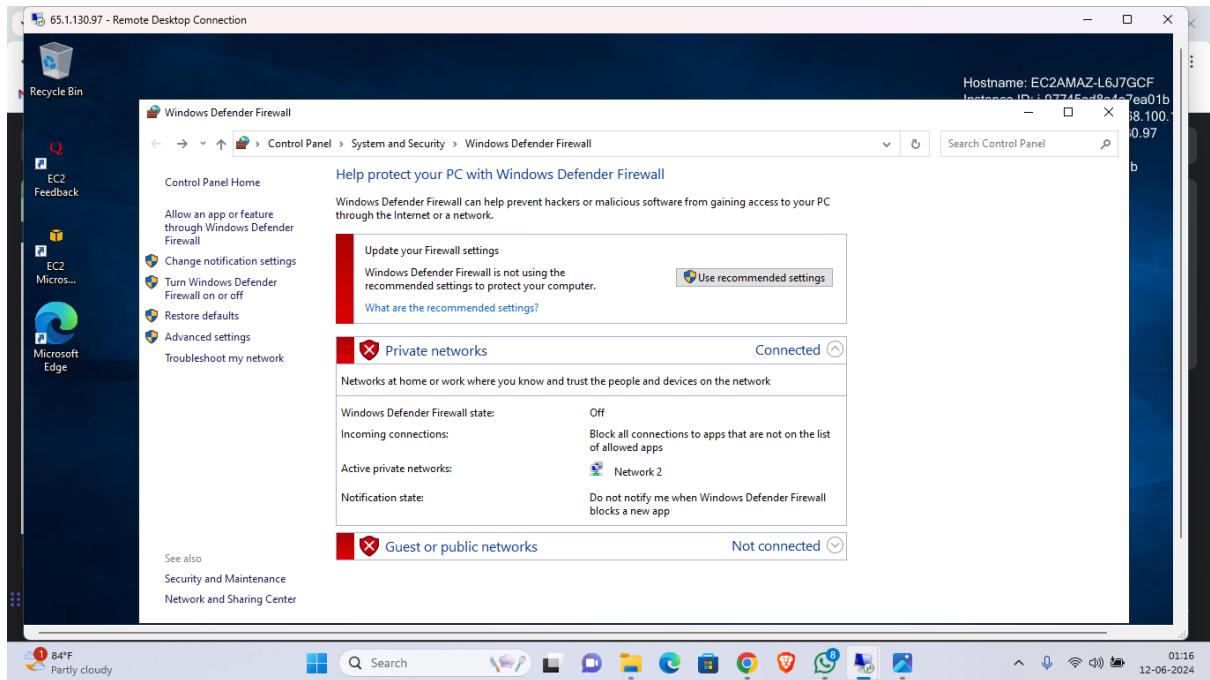
Public IPv4 address: 65.1.130.97 | open address

Private IPv4 addresses: 192.168.100.187

IPv6 address: -

Instance state: Running

Public IPv4 DNS: -



## Different Account Connection by Pinging:

The screenshot shows a Windows desktop environment with two main windows open:

- cmd.exe window (Top):** Displays network configuration and a ping command. The output includes:

  - Wireless LAN adapter Wi-Fi:
    - Connection-specific DNS Suffix . . . . .
    - Link-local IPv6 Address . . . . . fe80::5aa1:db6:fa71:b65e%13
    - IPv4 Address . . . . . 192.168.43.67
    - Subnet Mask . . . . . 255.255.255.0
    - Default Gateway . . . . . 192.168.43.7
  - Ethernet adapter Bluetooth Network Connection:
    - Media State . . . . . : Media disconnected
    - Connection-specific DNS Suffix . . . . .
  - Ethernet adapter Ethernet:
    - Media State . . . . . : Media disconnected
    - Connection-specific DNS Suffix . . . . .

```
C:\Users\Krish>ping 192.168.20.64

Pinging 192.168.20.64 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.20.64:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\Users\Krish>
```

- AWS CloudShell (Bottom):** Shows the AWS Management Console interface for VPC Peering Connections.

The AWS interface displays:

- Subnets** (left sidebar)
- Peering connections (1/1) Info** (Main pane)
  - Updated routes for rtb-04692b87922d9b883 / Public RT successfully
  - Details
  - Peering connection ID: pcx-06c630fa03aec29d0
  - Status: Active
  - Requester VPC: vpc-043c7fe5d23a24e16
  - Acceptor VPC: vpc-0ad
- pcx-06c630fa03aec29d0** (Details view)
  - Details tab selected
  - Requester owner ID: [redacted]
  - Acceptor owner ID: [redacted]
  - VPC Peering connection ARN: [redacted]

The taskbar at the bottom shows various pinned icons and the system tray indicates it's 01:20 on 12-06-2024.

Instances | EC2 | ap-south-1 | Meet - xpd-pdhz-aew

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

Select a local VPC to peer with

VPC ID (Requester)  
vpc-0ad5a84e4010c9e6a (Kali-VPC)

VPC CIDRs for vpc-0ad5a84e4010c9e6a (Kali-VPC)

CIDR	Status	Status reason
192.168.100.0/24	Associated	-

Select another VPC to peer with

Account  
 My account  
 Another account

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Finance headline China's Central... Search ENG US 01:24 12-06-2024

CreatePeeringConnection | VPC Instances | EC2 | ap-south-1 | Meet - xpd-pdhz-aew

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

Select a local VPC to peer with

VPC ID (Requester)  
vpc-0ad5a84e4010c9e6a (Kali-VPC)

VPC CIDRs for vpc-0ad5a84e4010c9e6a (Kali-VPC)

CIDR	Status	Status reason
192.168.100.0/24	Associated	-

Select another VPC to peer with

Account  
 My account  
 Another account

Account ID  
381492312825

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Screenshot of the AWS VPC Peering Connection creation process.

**CreatePeeringConnection | VPC**

Instances | EC2 | ap-south-1 | Meet - xpd-pdhz-aew

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

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AWS Services Search [Alt+S]

Account  
My account (radio button selected)  
Another account

Account ID: 381492312825

Region  
This Region (ap-south-1) (radio button selected)  
Another Region

VPC ID (Acceptor): vpc-0971149834110f7e8

**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: Kali-Priyanka

Add new tag

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**PeeringConnectionDetails | VPC**

Instances | EC2 | ap-south-1 | Meet - xpd-pdhz-aew

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#PeeringConnectionDetails:vpcPeeringConnectionId=pcx-0a19729ebc8aa9bc2...

Gmail YouTube Maps

AWS Services Search [Alt+S]

**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

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**pcx-0a19729ebc8aa9bc2 / Kali-Priyanka**

**Details** Info

Requester owner ID	Acceptor owner ID	VPC Peering connection ARN
471112916582	381492312825	arnaws:ec2:ap-south-1:471112916582:vpc-peering-connection/pcx-0a19729ebc8aa9bc2
Peering connection ID	Requester VPC	Acceptor VPC
pcx-0a19729ebc8aa9bc2	vpc-0ad5a84e4010c9e6a / Kali-VPN	vpc-0971149834110f7e8
Status	Requester CIDRs	Acceptor CIDRs
Pending Acceptance by 381492312825	192.168.100.0/24	-
Expiration time	Requester Region	Acceptor Region
Wednesday, June 19, 2024 at 01:28:34 GMT+5:30	Mumbai (ap-south-1)	Mumbai (ap-south-1)

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The screenshot shows two windows side-by-side. The top window is the AWS VPC console, specifically the 'PeeringConnectionDetails' tab for a connection between two VPCs. A prominent green banner at the top states: 'A VPC peering connection pcv-0a19729ebc8aa9bc2 / Kali-Priyanka has been requested.' It also indicates that the owner of the requester VPC (vpc-0971149834110f7e8) must accept the connection. The bottom window is a Windows Command Prompt (cmd.exe) running on a Windows 10 desktop. The user is performing a series of ping commands to test connectivity between the two VPCs. The first two pings are to 192.168.20.16 (within the requester VPC), both of which fail with 100% loss due to a request timeout. The third ping is to 13.126.242.215 (within the accepter VPC), which succeeds with 0% loss and provides round-trip times.

```
Ping statistics for 192.168.20.16:
  Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\Users\Krish>ping 192.168.20.16

Pinging 192.168.20.16 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.20.16:
  Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\Users\Krish>ping 13.126.242.215

Pinging 13.126.242.215 with 32 bytes of data:
Reply from 13.126.242.215: bytes=32 time=76ms TTL=111
Reply from 13.126.242.215: bytes=32 time=92ms TTL=111
Reply from 13.126.242.215: bytes=32 time=203ms TTL=111
Reply from 13.126.242.215: bytes=32 time=173ms TTL=111

Ping statistics for 13.126.242.215:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 76ms, Maximum = 203ms, Average = 136ms
```

Screenshot of the AWS EC2 Instances console showing a single instance named "Windows 2022" (Instance ID: i-07745ad8a4e7ea01b) in the "Running" state. The instance type is t2.micro, and it has 2/2 checks passed. The instance is located in the ap-south-1 region.

The screenshot shows two instances of the same screen, one above the other, illustrating a step-by-step process. The top instance is in the "Running" state, and the bottom instance is in the "Stopping" state, indicating the instance has been stopped.

PeeringConnections | VPC Cons X +

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

Gmail YouTube Maps

AWS Services Search [Alt+S]

Peering connections (2) Info

Name	Peering connection ID	Status	Requester VPC	Accepter VPC
-	pcx-06c630fa03aec29d0	Active	vpc-043c7fe5d23a24e16	vpc-0ad5a84e4010c9e6a
Kali-Priyanka	pcx-a19729ebc8aa9bc2	Active	vpc-0ad5a84e4010c9e6a / Kali-	vpc-0971149834110f7e8

Select a peering connection above

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PeeringConnections | VPC Cons X +

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

Gmail YouTube Maps

AWS Services Search [Alt+S]

Peering connections (2) Info

Status	Requester VPC	Accepter VPC	Requester CIDRs	Accepter CIDRs	Requester Region
Active	vpc-043c7fe5d23a24e16	vpc-0ad5a84e4010c9e6a / Kali-	192.168.10.0/24	192.168.100.0/24	33971278
Active	vpc-0ad5a84e4010c9e6a / Kali-	vpc-0971149834110f7e8	192.168.100.0/24	192.168.20.0/24	47111291

Select a peering connection above

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The screenshot shows the AWS VPC Peering Connections console. The left sidebar lists various AWS services like gateways, DHCP option sets, and endpoints. The main area displays a table titled "Peering connections (2) Info" with the following data:

Requester CIDR	Acceptor CIDR	Requester owner ID	Acceptor owner ID	Requester Region	Acceptor Region
192.168.10.0/24	192.168.100.0/24	339712782315	471112916582	N. Virginia (us-east-1)	Mumbai (ap-south-1)
192.168.100.0/24	192.168.20.0/24	471112916582	381492312825	Mumbai (ap-south-1)	Mumbai (ap-south-1)

Below the table, a message says "Select a peering connection above". The bottom of the screen shows the AWS navigation bar with CloudShell, Feedback, and various icons.

**Completed different account can communicate**

-----END-----