

## Module 4: VPC Assignment - 2

---

You have been asked to:

1. Create 2 VPCs in the North Virginia region named MYVPC1 and MYVPC2
  2. Create one VPC in Oregon region named VPCOregon1
  3. Create a peering connection between MYVPC1 and MYVPC2
  4. Create a peering connection between MYVPC2 and VPCOregon1
-

## 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.

MYVPC1

#### IPv4 CIDR block Info

 IPv4 CIDR manual input IPAM-allocated IPv4 CIDR block

#### IPv4 CIDR

10.0.0.0/16

#### IPv6 CIDR block Info

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

#### Tenancy Info

Default

## 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.

MYVPC2

#### IPv4 CIDR block Info

 IPv4 CIDR manual input IPAM-allocated IPv4 CIDR block

#### IPv4 CIDR

20.0.0.0/16

#### IPv6 CIDR block Info

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

#### Tenancy Info

Default



⌚ You successfully created **vpc-09bbe6ece0f36515d / MYVPC2**

### Your VPCs (3/3) Info



Actions ▾

Create VPC

&lt; 1 &gt;



Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main
MYVPC2	vpc-09bbe6ece0f36515d	Available	20.0.0.0/16	-	dopt-05eb69ee65ff0b...	rtb-0
MYVPC1	vpc-0faa3e09456f3f6a3	Available	10.0.0.0/16	-	dopt-05eb69ee65ff0b...	rtb-0

VPCs: vpc-0faa3e09456f3f6a3, vpc-09bbe6ece0f36515d, vpc-0b03f01cba75ff067

## 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.

VPCOregon1

#### IPv4 CIDR block Info

IPv4 CIDR manual input

IPAM-allocated IPv4 CIDR block

#### IPv4 CIDR

30.0.0.0/16

#### IPv6 CIDR block Info

No IPv6 CIDR block

IPAM-allocated IPv6 CIDR block

Amazon-provided IPv6 CIDR block

IPv6 CIDR owned by me

#### Tenancy Info

Default

✓ You successfully created vpc-08c853a65910322b5 / VPCOregon1

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



Actions ▾

Create VPC

&lt; 1 &gt;

 Filter VPCs

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table
VPCOregon1	vpc-08c853a65910322b5	Available	30.0.0.0/16	-	dopt-0649c086f3a5e7...	rtb-0a3c...
-	vpc-0e72d95e1a1e3aada	Available	172.31.0.0/16	-	dopt-0649c086f3a5e7...	rtb-0df...

## vpc-08c853a65910322b5 / VPCOregon1

[Details](#) [CIDRs](#) [Flow logs](#) [Tags](#)

### Details

## VPC ID

 [vpc-08c853a65910322b5](#)

## State

Available

## DNS hostnames

Disabled

## DNS resolution

Enabled

Tags

Filter by tag key

Filter by tag value

Filter by tag key

warn Services VPC

New VPC Experience Tell us what you think

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 Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections

Security Network ACLs Security groups

## Peering connections Info

Filter peering connections

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDRs	Acceptor CIDRs
No peering connection found						

Select a peering connection above

Actions Create peering connection

A N. Virginia VAIBHAV VERMA

# Create peering connection

A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them privately. [Info](#)

## Peering connection settings

### Name - optional

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

### Select a local VPC to peer with

#### VPC ID (Requester)

#### VPC CIDRs for vpc-0faa3e09456f3f6a3 (MYVPC1)

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)

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-09bbe6ece0f36515d (MYVPC2)

### VPC CIDRs for vpc-09bbe6ece0f36515d (MYVPC2)

CIDR	Status	Status reason
20.0.0.0/16	<input checked="" type="checkbox"/> Associated	-

## 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

Peering-MYVPC1-MYVPC2

Remove

Add new tag

You can add 49 more tags.

Cancel

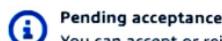
Create peering connection

ⓘ A VPC peering connection pcx-065a2966092e6c7e8 / Peering-MYVPC1-MYVPC2 has been requested.

VPC > Peering connections > pcx-065a2966092e6c7e8

## pcx-065a2966092e6c7e8 / Peering-MYVPC1-MYVPC2

Actions ▾

**Pending acceptance**

You can accept or reject this peering connection request using the 'Actions' menu. You have until Tuesday, November 15, 2022 at 18:06:04 GMT+5:30 to accept or reject the request, otherwise it expires.



Details Info

Requester owner ID

111952067877

Peering connection ID

pcx-065a2966092e6c7e8

Status

ⓘ Pending Acceptance by 111952067877

Expiration time

Tuesday, November 15, 2022 at 18:06:04 GMT+5:30

Acceptor owner ID

111952067877

Requester VPC

vpc-0faa3e09456f3f6a3 / MYVPC1

Requester CIDRs

10.0.0.0/16

Requester Region

N. Virginia (us-east-1)

VPC Peering connection ARN

arn:aws:ec2:us-east-1:111952067877:vpc-peering-connection/pcx-065a2966092e6c7e8

Acceptor VPC

vpc-09bbe6ece0f36515d / MYVPC2

Acceptor CIDRs

Acceptor Region

N. Virginia (us-east-1)

ClassicLink DNS Route tables Tags

ClassicLink settings

selection? Find it in the new [Unified Settings](#)

© 2022, Amazon Internet Services Private Ltd. or its affiliates.

Privacy Terms Cookie preferences

AWS Services VPC

New VPC Experience Tell us what you think

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 Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections

Peering connections (1/1) Info

Filter peering connections

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC
Peering-MYVPC1-MYVPC2	pcx-065a2966092e6c7e8	Pending acceptance	vpc-0faa3e09456f3f6a3 / MYVPC1	vpc-09bbe6ece0f36515d / MYVPC2

Actions Create peering connection

View details Accept request Reject request Edit DNS settings Edit ClassicLink settings Manage tags Delete peering connection

pcx-065a2966092e6c7e8 / Peering-MYVPC1-MYVPC2

Pending acceptance You can accept or reject this peering connection request using the 'Actions' menu. You have until Tuesday, November 15, 2022 at 18:06:04 GMT+5:30 to accept or reject the request, otherwise it expires.

Details ClassicLink DNS Route tables Tags

### Details

Requester owner ID	Acceptor owner ID	VPC Peering connection ARN
111952067877	111952067877	arn:aws:ec2:us-east-1:111952067877:vpc-peering-connection/pcx-065a2966092e6c7e8
Peering connection ID	Requester VPC	Acceptor VPC
pcx-065a2966092e6c7e8	vpc-0faa3e09456f3f6a3 / MYVPC1	vpc-09bbe6ece0f36515d / MYVPC2
Status	Requester CIDRs	Acceptor CIDRs
Pending Acceptance by 111952067877	10.0.0.0/16	-
Expiration time	Requester Region	

Feedback Looking for language selection? Find it in the new Unified Settings

© 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences

## Accept VPC peering connection request Info

X

Are you sure you want to accept this VPC peering connection request? (pcx-065a2966092e6c7e8 / Peering-MYVPC1-MYVPC2)

Requester VPC

vpc-0faa3e09456f3f6a3 / MYVPC1

Acceptor CIDRs

-

Requester owner ID

111952067877

(This account)

Acceptor VPC

vpc-09bbe6ece0f36515d / MYVPC2

Requester Region

N. Virginia (us-east-1)

Acceptor owner ID

111952067877

(This account)

Requester CIDRs

10.0.0.0/16

Acceptor Region

N. Virginia (us-east-1)

Cancel

Accept request

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

New VPC Experience Tell us what you think

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

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Network ACLs

Security groups

Feedback Looking for language selection? Find it in the new Unified Settings

N. Virginia VAIBHAV VERMA

Your VPC peering connection (pcx-065a2966092e6c7e8 / Peering-MYVPC1-MYVPC2) has been established.

To send and receive traffic across this VPC peering connection, you must add a route to the peered VPC in one or more of your VPC route tables. [Info](#)

Modify my route tables now

Peering connections (1/1) [Info](#)

Filter peering connections

Actions Create peering connection

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDRs	Acceptor CIDR
Peering-MYVPC1-MYVPC2	pcx-065a2966092e6c7e8	Active	vpc-0faa3e09456f3f6a3 / MYVPC1	vpc-09bbe6ece0f36515d / MYVPC2	10.0.0.0/16	20.0.0.0/16

pcx-065a2966092e6c7e8 / Peering-MYVPC1-MYVPC2

Details ClassicLink DNS Route tables Tags

### Details

Requester owner ID	Acceptor owner ID	VPC Peering connection ARN
<a href="#">111952067877</a>	<a href="#">111952067877</a>	<a href="#">arn:aws:ec2:us-east-1:111952067877:vpc-peering-connection/pcx-065a2966092e6c7e8</a>
Peering connection ID	Requester VPC	Acceptor VPC
<a href="#">pcx-065a2966092e6c7e8</a>	vpc-0faa3e09456f3f6a3 / MYVPC1	vpc-09bbe6ece0f36515d / MYVPC2
Status	Requester CIDRs	Acceptor CIDRs
<a href="#">Active</a>	<a href="#">10.0.0.0/16</a>	<a href="#">20.0.0.0/16</a>

Feedback Looking for language selection? Find it in the new Unified Settings

© 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences

## Create peering connection

A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them privately. [Info](#)

### Peering connection settings

#### Name - optional

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

#### Select a local VPC to peer with

##### VPC ID (Requester)

##### VPC CIDRs for vpc-09bbe6ece0f36515d (MYVPC2)

CIDR	Status	Status reason
20.0.0.0/16	<input checked="" type="radio"/> Associated	-

#### Select another VPC to peer with

##### Account

 My account Another account

##### Region

 This Region (us-east-1) Another Region

## VPC CIDRs for vpc-09bbe6ece0f36515d (MYVPC2)

## CIDR

## Status

## Status reason

20.0.0.0/16

Associated

-

## Select another VPC to peer with

## Account

 My account Another account

## Region

 This Region (us-east-1) Another Region

US West (Oregon) (us-west-2)

## VPC ID (Acceptor)

vpc-08c853a65910322b5

## 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 X

## Value - optional

 Peering-MYVPC2-VPCOregon1 XRemoveAdd new tag

You can add 49 more tags.

CancelCreate peering connection

A VPC peering connection **pcx-0a3dc15b422c097dd / Peering-MYVPC2-VPCOregon1** has been requested.  
Remember to change your region to **us-west-2** to accept the peering connection.

VPC > Peering connections > **pcx-0a3dc15b422c097dd**

## pcx-0a3dc15b422c097dd / Peering-MYVPC2-VPCOregon1

Actions ▾

### Details Info

Requester owner ID

[111952067877](#)

Peering connection ID

[pcx-0a3dc15b422c097dd](#)

Status

[Initiating Request to 111952067877](#)

Expiration time

Tuesday, November 15, 2022 at 18:16:51 GMT+5:30

Acceptor owner ID

[111952067877](#)

Requester VPC

[vpc-09bbe6ece0f36515d / MYVPC2](#)

Requester CIDRs

[20.0.0.0/16](#)

Requester Region

N. Virginia (us-east-1)

VPC Peering connection ARN

[arn:aws:ec2:us-east-1:111952067877:vpc-peering-connection/pcx-0a3dc15b422c097dd](#)

Acceptor VPC

[vpc-08c853a65910322b5](#)

Acceptor CIDRs

Acceptor Region

Oregon (us-west-2)

DNS Route tables Tags

### DNS settings

Requester VPC ([vpc-09bbe6ece0f36515d / MYVPC2](#)) [Info](#)

Acceptor VPC ([vpc-08c853a65910322b5](#)) [Info](#)

Peering connections (1/1) [Info](#)

Actions ▾

Create peering connection

Filter peering connections

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC
-	pcx-0a3dc15b422c097dd	Pending acceptance	vpc-09bbe6ece0f36515d	vpc-08c853a65910322b5 / VPCOregon

View details

Accept request

Reject request

Edit DNS settings

Edit ClassicLink settings

Manage tags

Delete peering connection

&lt; 1 &gt;



Acceptor CIDRs



pcx-0a3dc15b422c097dd



Pending acceptance

You can accept or reject this peering connection request using the 'Actions' menu. You have until Tuesday, November 15, 2022 at 18:16:51 GMT+5:30 to accept or reject the request, otherwise it expires.

[Details](#)[DNS](#)[Route tables](#)[Tags](#)

## Details

Requester owner ID

[111952067877](#)

Acceptor owner ID

[111952067877](#)

VPC Peering connection ARN

[arn:aws:ec2:us-west-2:111952067877:vpc-peering-connection/pcx-0a3dc15b422c097dd](#)

Peering connection ID

[pcx-0a3dc15b422c097dd](#)

Requester VPC

[vpc-09bbe6ece0f36515d](#)[vpc-08c853a65910322b5 / VPCOregon1](#)

Status

[Pending Acceptance by 111952067877](#)

Requester CIDRs

[20.0.0.0/16](#)

Acceptor CIDRs

Expiration time

Requester Region

## Peering connections (1) Create

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC
pcx-0a3dc15b422c097dd	vpc-09bbe6ece0f36515d	Pending acceptance	vpc-09bbe6ece0f36515d	vpc-08c853a65910322b5 / VPCOregon1

Accept VPC peering connection request Info

Are you sure you want to accept this VPC peering connection request? (pcx-0a3dc15b422c097dd)

## Requester VPC

vpc-09bbe6ece0f36515d

## Acceptor VPC

[vpc-08c853a65910322b5 / VPCOregon1](#)

## Requester CIDRs

20.0.0.0/16

## Acceptor CIDRs

-

## Requester Region

N. Virginia (us-east-1)

## Acceptor Region

Oregon (us-west-2)

## Requester owner ID

111952067877  
(This account)

## Acceptor owner ID

111952067877  
(This account)

Cancel

Accept request

[Alt+T]

Your VPC peering connection (pcx-0a3dc15b422c097dd) has been established.

To send and receive traffic across this VPC peering connection, you must add a route to the peered VPC in one or more of your VPC route tables. [Info](#)

[Modify my route tables now](#)

## Peering connections (1/1) [Info](#)



Actions ▾

[Create peering connection](#)

&lt; 1 &gt;



Filter peering connections

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDRs	Acceptor CIDRs	F
-	pcx-0a3dc15b422c097dd	<input checked="" type="checkbox"/> Active	vpc-09bbe6ece0f36515d	vpc-08c853a65910322b5 / VP... Oregon	20.0.0.0/16	30.0.0.0/16	1

pcx-0a3dc15b422c097dd

[Details](#) [DNS](#) [Route tables](#) [Tags](#)

### Details

Requester owner ID

[111952067877](#)

Peering connection ID

[pcx-0a3dc15b422c097dd](#)

Status

Active

[Edit details](#) [View logs](#)

Acceptor owner ID

[111952067877](#)

Requester VPC

[vpc-09bbe6ece0f36515d](#)

Requester CIDRs

[20.0.0.0/16](#)

VPC Peering connection ARN

[arn:aws:ec2:us-west-2:111952067877:vpc-peering-connection/pcx-0a3dc15b422c097dd](#)

Acceptor VPC

[vpc-08c853a65910322b5 / VPCOregon](#)

Acceptor CIDRs

[30.0.0.0/16](#)