

Module 7 Guided Lab - Creating a VPC Peering Connection

The screenshot shows the AWS Management Console VPC dashboard. The top navigation bar includes the AWS logo, Services menu, a search bar, and the current region (N. Virginia). The left sidebar contains navigation links for VPC dashboard, EC2 Global View, and various VPC resources. The main content area displays 'Resources by Region' for US East, showing counts for VPCs (3), Subnets (10), Route Tables (6), Internet Gateways (2), Egress-only Internet Gateways (0), NAT Gateways (0), VPC Peering Connections (0), Network ACLs (3), Security Groups (5), and Customer Gateways (0). On the right, there is a 'Service Health' section indicating 'Amazon EC2 - US East' is operating, and an 'AWS Network Manager' section.

Choose Peer Connection

The screenshot shows the 'Peering connections' page in the AWS Management Console. It features a search bar, a 'Create peering connection' button, and a table with columns: Name, Peering connection ID, Status, Requester VPC, and Acceptor VPC. The table is currently empty, displaying the message 'No peering connection found'. At the bottom, there is a prompt to 'Select a peering connection above'.

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-04f4ea73351523c1b (Lab 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

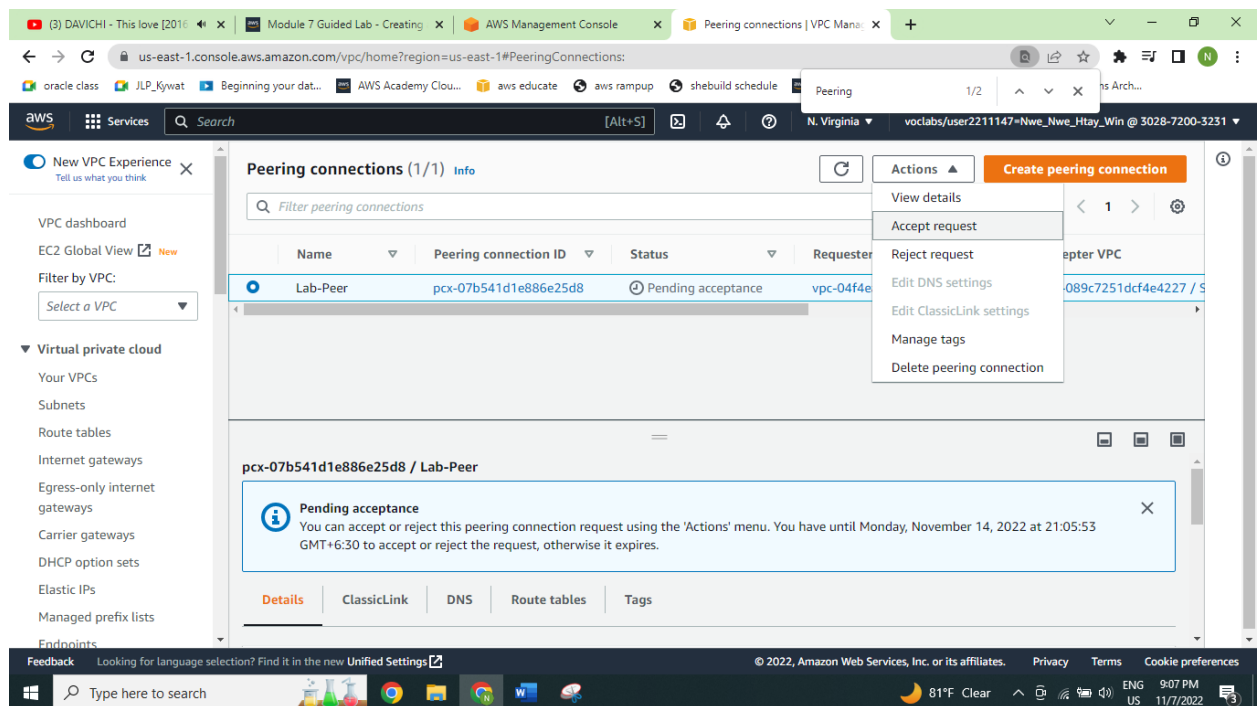
VPC ID (Accepter)

VPC CIDRs for vpc-089c7251dcf4e4227 (Shared VPC)

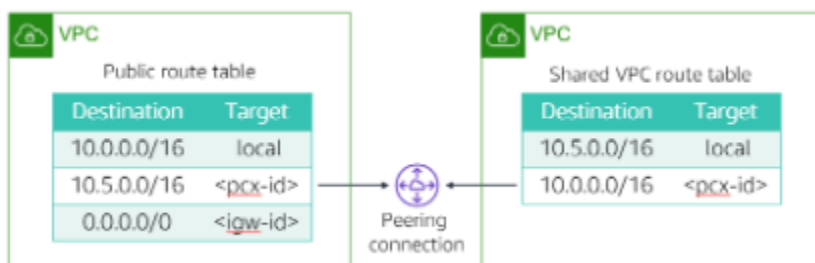
CIDR	Status	Status reason
10.5.0.0/16	✔ Associated	-

Peering connections (1) Info				
<input type="text" value="Filter peering connections"/>				
Name	Peering connection ID	Status	Requester VPC	
Lab-Peer	pcx-07b541d1e886e25d8	Pending acceptance	vpc-04f4ea73351523c1b / La...	

Click Accept Request



Task 2: Configuring route tables



Choose Route Table

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

Route tables (6) Info

Filter route tables

	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC
<input type="checkbox"/>	-	rtb-00266958a613630a5	-	-	Yes	vpc-0
<input type="checkbox"/>	-	rtb-0a010deb2dd8f62a2	-	-	Yes	vpc-0
<input type="checkbox"/>	Shared-VPC Route ...	rtb-08f5895b2181e3659	2 subnets	-	No	vpc-0
<input type="checkbox"/>	Lab Private Route T...	rtb-0d7c804b91e95dbe4	subnet-024ebf6258a16...	-	No	vpc-0
<input type="checkbox"/>	Lab Public Route Ta...	rtb-0100ac0707d3ba05d	subnet-085e38c31c1cb...	-	No	vpc-0
<input type="checkbox"/>	-	rtb-0618d908e10a78ee7	-	-	Yes	vpc-0

<input type="checkbox"/>	Name	Route table ID
<input type="checkbox"/>	-	rtb-00266958a613630a5
<input type="checkbox"/>	-	rtb-0a010deb2dd8f62a2
<input type="checkbox"/>	Shared-VPC Route Table	rtb-08f5895b2181e3659
<input type="checkbox"/>	Lab Private Route Table	rtb-0d7c804b91e95dbe4
<input checked="" type="checkbox"/>	Lab Public Route Table	rtb-0100ac0707d3ba05d
<input type="checkbox"/>	-	rtb-0618d908e10a78ee7

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

Route tables (1/6) Info

Filter route tables

Name	Route table ID
--	rtb-00266958a613630a5
--	rtb-0a010deb2dd8f62a2
Shared-VPC Route Table	rtb-08f5895b2181e3659
Lab Private Route Table	rtb-0d7c804b91e95dbe4
<input checked="" type="checkbox"/> Lab Public Route Table	rtb-0100ac0707d3ba05d
--	rtb-0618d908e10a78ee7

Actions

- View details
- Set main route table
- Edit subnet associations
- Edit edge associations
- Edit route propagation
- Edit routes
- Manage tags
- Delete route table
- Troubleshoot
- Trace network reachability

Create route table

Edge ass

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRoutes:RouteTableId=rtb-0100ac0707d3ba05d

VPC > Route tables > rtb-0100ac0707d3ba05d > Edit routes

Edit routes

Destination

10.0.0.0/16

Q 0.0.0.0/0 X

Q 10.5.0.0/16 X

Add route

Instance

Internet Gateway

local

NAT Gateway

Network Interface

Outpost Local Gateway

Peering Connection

Transit Gateway

Virtual Private Gateway

Peering Connection

Q |

Status

Propagated

Active	No
Active	No
-	No

Remove

Remove

Remove

Cancel Preview Save changes

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRoutes:RouteTableId=rtb-0100ac0707d3ba05d

Services Search [Alt+S] N. Virginia voclabs/user2211147~Nwe_Nwe_Htay_Win @ 3028-7200-3231

VPC > Route tables > rtb-0100ac0707d3ba05d > Edit routes

Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	igw-00699a465643f40d7	Active	No
10.5.0.0/16	pcx-07b541d1e886e25d8 (Lab-Peer)	-	No

pcx-07b541d1e886e25d8 (Lab-Peer)

Add route

Cancel Preview Save changes

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

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Type here to search

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

Services Search [Alt+S] N. Virginia voclabs/user2211147~Nwe_Nwe_Htay_Win @ 3028-7200-3231

New VPC Experience Tell us what you think

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

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Route tables (1/6) Info

Filter route tables

	Name	Route table ID	Explicit subnet associat...
<input type="checkbox"/>	-	rtb-00266958a613630a5	-
<input type="checkbox"/>	-	rtb-0a010deb2dd8f62a2	-
<input checked="" type="checkbox"/>	Shared-VPC Route Table	rtb-08f5895b2181e3659	2 subnets
<input type="checkbox"/>	Lab Private Route Table	rtb-0d7c804b91e95dbe4	subnet-024ebf6258a16...
<input type="checkbox"/>	Lab Public Route Table	rtb-0100ac0707d3ba05d	subnet-085e38c31c1cb...
<input type="checkbox"/>	-	rtb-0618d908e10a78ee7	-

Actions

- View details
- Set main route table
- Edit subnet associations
- Edit edge associations
- Edit route propagation
- Edit routes
- Manage tags
- Delete route table
- Troubleshoot
- Trace network reachability

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Type here to search

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRoutes:RouteTableId=rtb-08f5895b2181e3659

aws Services Search [Alt+S] N. Virginia voclabs/user2211147~Nwe_Nwe_Htay_Win @ 3028-7200-3231

VPC > Route tables > rtb-08f5895b2181e3659 > Edit routes

Edit routes

Destination	Target	Status	Propagated
10.5.0.0/16	local	Active	No
10.0.0.0/16	pcx-07b541d1e886e25d8 (Lab-Peer)	-	No

Remove

Add route

pcx-07b541d1e886e25d8 (Lab-Peer)

Cancel Preview Save changes

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

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Type here to search 80°F Clear ENG US 9:12 PM 11/7/2022

Task 3: Testing the VPC peering connection

Go EC2

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

aws Services Search [Alt+S] N. Virginia voclabs/user2211147~Nwe_Nwe_Htay_Win @ 3028-7200-3231

New EC2 Experience Tell us what you think

EC2 Dashboard
EC2 Global View
Events
Tags
Limits

▼ Instances

Instances **New**

Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances **New**
Dedicated Hosts
Scheduled Instances
Capacity Reservations

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
App Server	i-05e2aee4b554b6357	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a

Launch Instances

Instance: i-05e2aee4b554b6357 (App Server)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID
i-05e2aee4b554b6357 (App Server)

IPv6 address
-

Public IPv4 address copied

52.90.7.194 | open address

Private IPv4 addresses
10.0.0.74

Public IPv4 DNS
ec2-52-90-7-194.compute-1.amazonaws.com

Instance state
Running

Sending request... Looking for language selection? Find it in the new Unified Settings

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Type here to search 80°F Clear ENG US 9:13 PM 11/7/2022

 Inventory  Settings

Please configure Settings to connect to database

This page was generated by instance **i-05e2aee4b554b6357** in Availability Zone **us-east-1a**.


 Inventory  Settings

Endpoint

Database

Username

Password



- Home
- Modules
- Announcements
- Discussions
- Grades
- Dashboard
- Courses
- Calendar
- Inbox
- History
- Help

Due No Due Date Points 100 Submitting an external tool

Submit Details AWS Start Lab End Lab 2:45 Instructions Grades Actions

Accumulated lab time: 00:15:00 (15 minutes)

ips -- public:52.90.7.194, private:10.0.0.74


SSH key


AWS SSO

SecretKey	3V4/9bF3tpcShEzVzyG3nWM+0f9gPniEUNA42mVs
Endpoint	inventory-db.cxxtfduhkqyd.us-east-1.rds.amazonaws.com
AccessKey	ARIAUNBEUAKPZE2QQUUU

Previous Next

Copy endpoint

 Inventory

 Settings

Endpoint

inventory-db1.cnukyo62vtxx.us-east-1.rds.amazonaws.com

Database

inventory


Username


admin







Password

lab-password

Save

 Inventory

 Settings

	Store	Item	Quantity
 	Puerto Rico	Amazon Echo	12
 	Paris	Amazon Dot	3
 	Detroit	Amazon Tap	5

+ Add Inventory