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Lab - 2 Build your VPC an

Workbench - Vocareum

CreateVpc | VPC Console

New Tab

us-east-1.console.aws.amazon.com/vpconsole/home?region=us-east-1#CreateVpc:createMode=vpcWithResources

aws Services Search [Alt+S]

N. Virginia

vociabs/user3067532=bltf20m541@pucl.edu.pk @ 2111-2554-4064

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. Mouse over a resource to highlight the related resources.

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 auto-generation Info

Enter a value for the Name tag. This value will be used to auto-generate Name tags for all resources in the VPC.

Auto-generate

project

IPv4 CIDR block Info

Determine the starting IP and the size of your VPC using CIDR notation.

10.0.0.0/16

65,536 IPs

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

IPv6 CIDR block Info

No IPv6 CIDR block

Amazon provided IPv6 CIDR block

Preview

VPC Show details

Your AWS virtual network

project-vpc

Subnets (4)

Subnets within this VPC

us-east-1a

project-subnet-public1-us-east-1a

project-subnet-private1-us-east-1a

us-east-1b

project-subnet-public2-us-east-1b

project-subnet-private2-us-east-1b

Route tables (3)

Route network traffic to resources

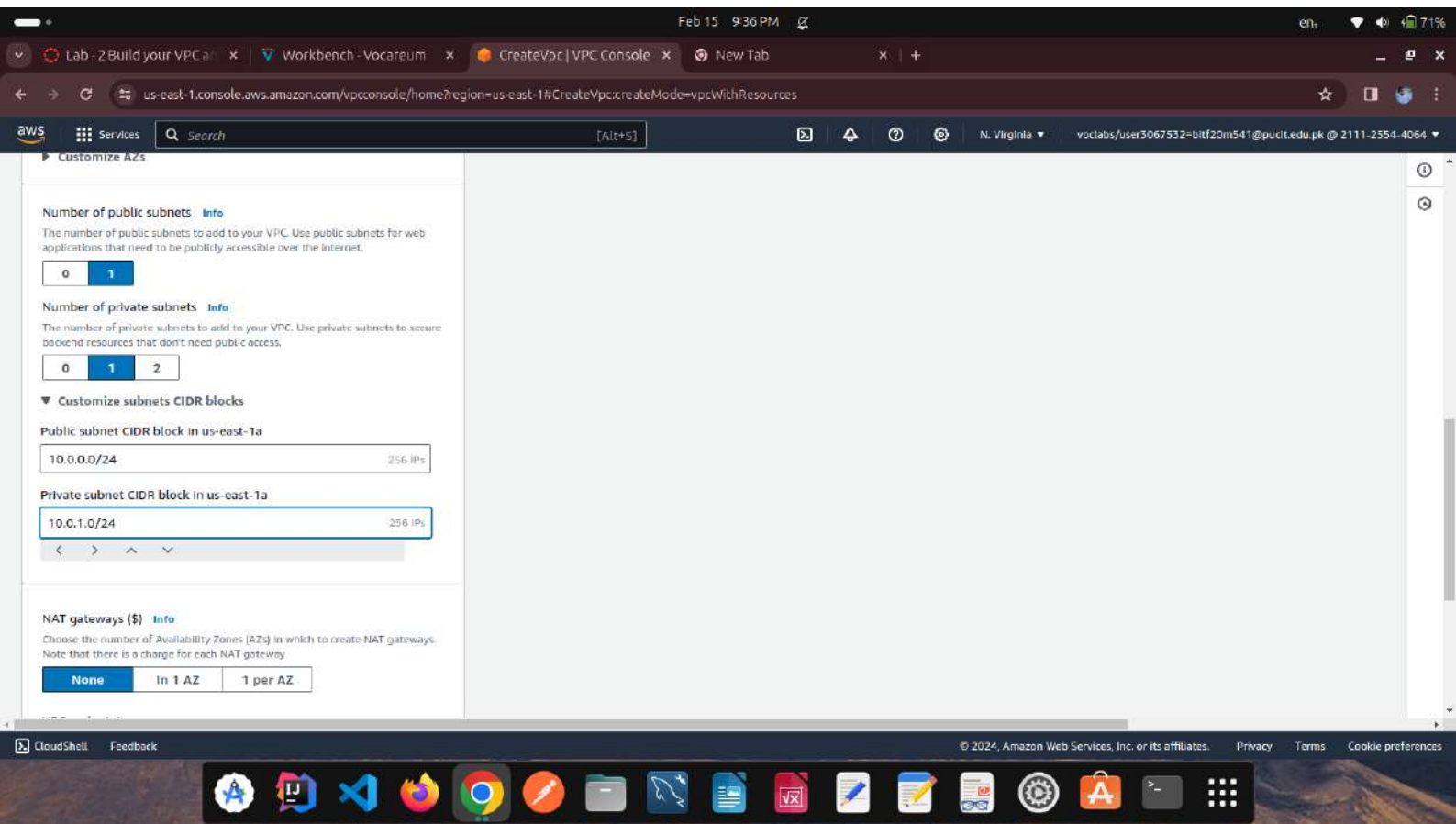
project-rtb-public

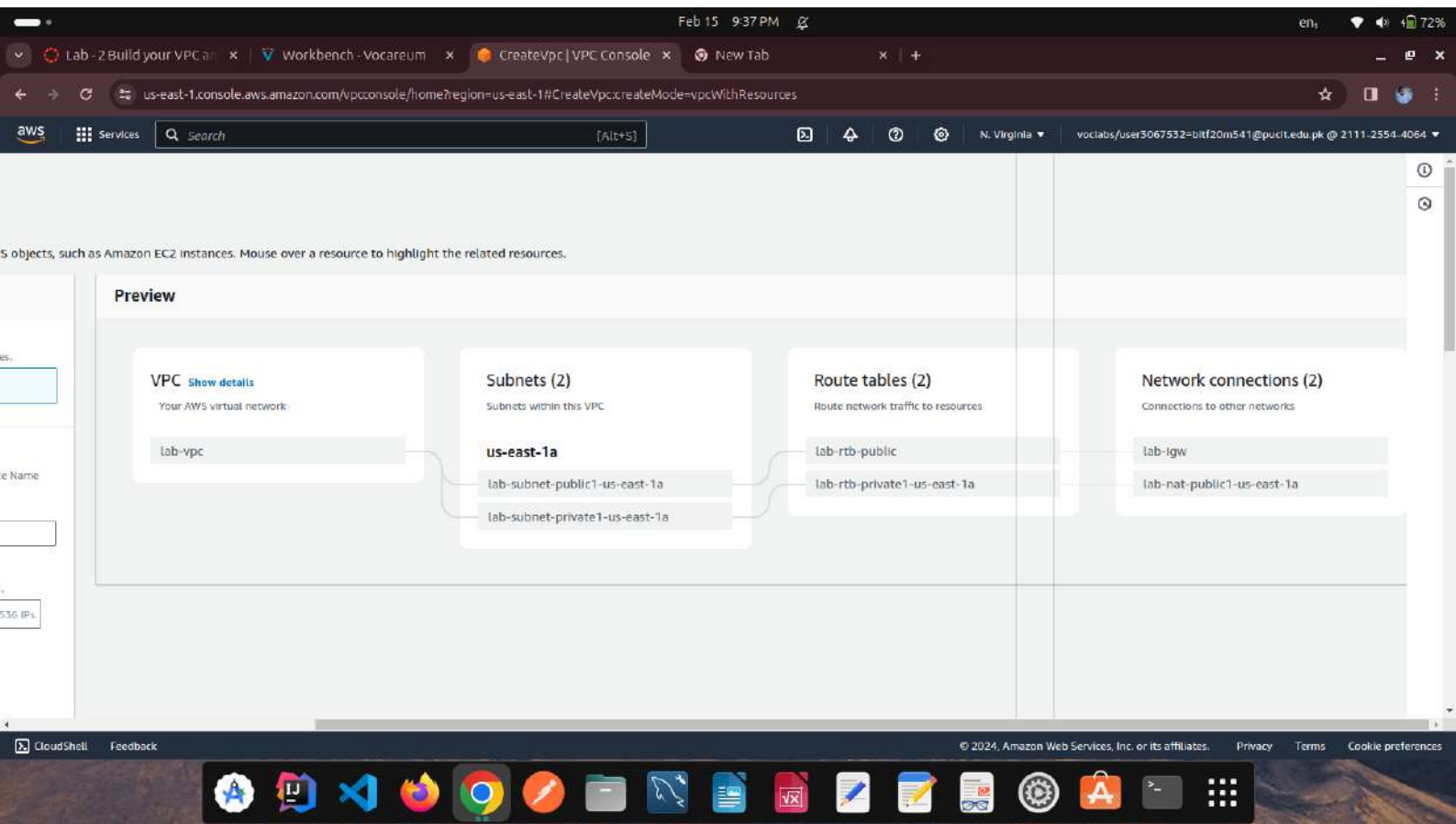
project-rtb-private1-us-east-1a

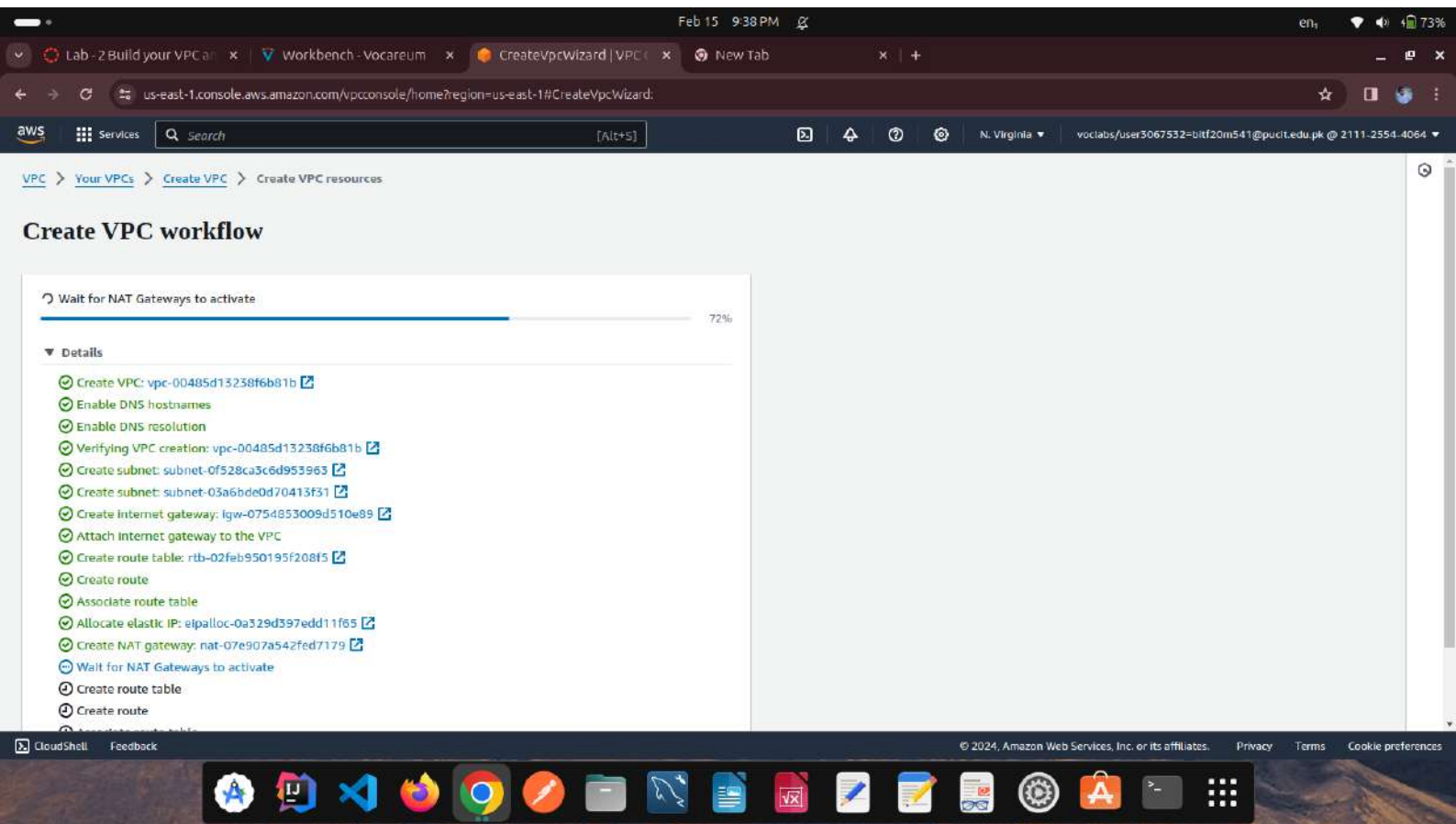
project-rtb-private2-us-east-1b

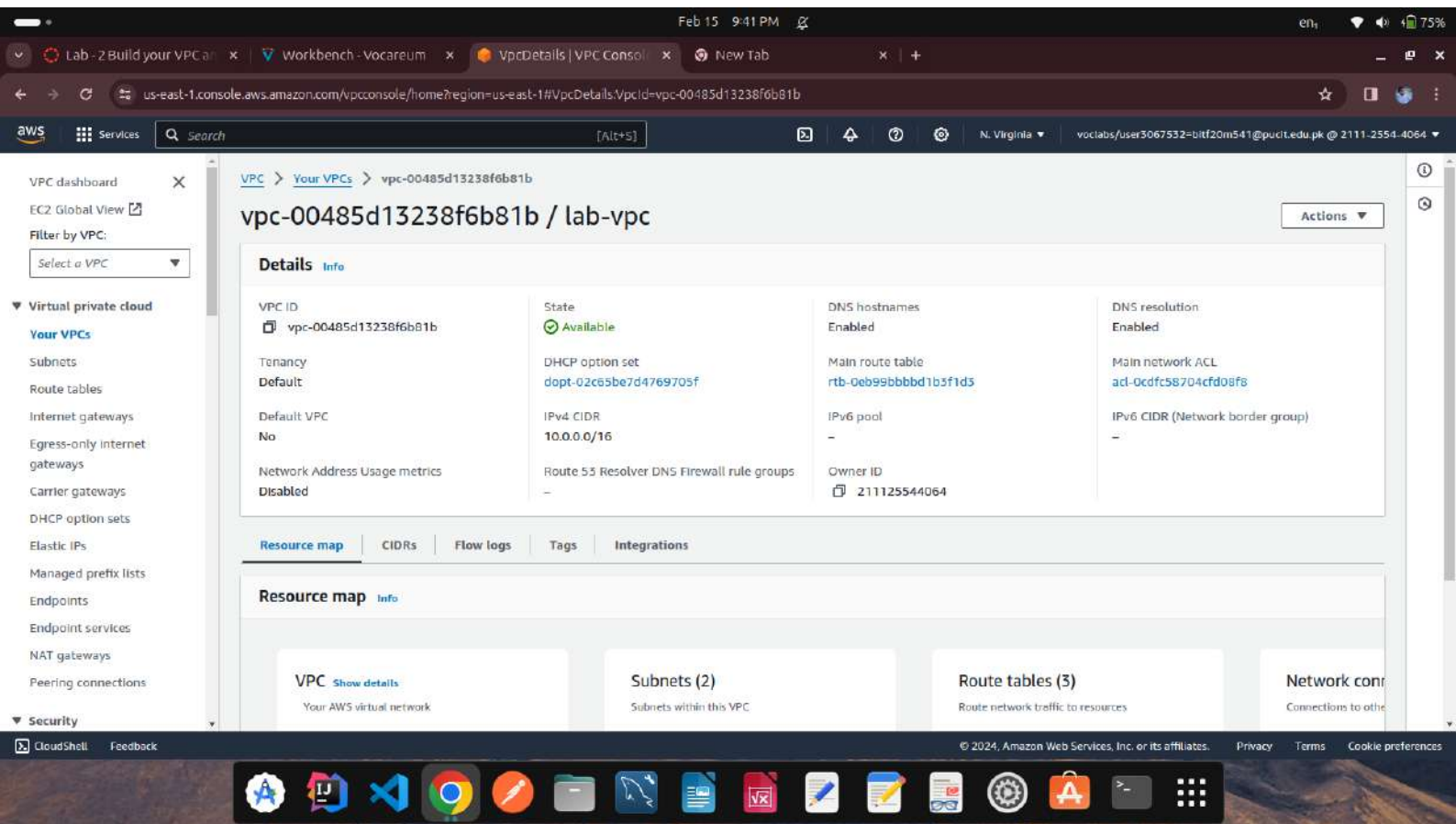
CloudShell Feedback

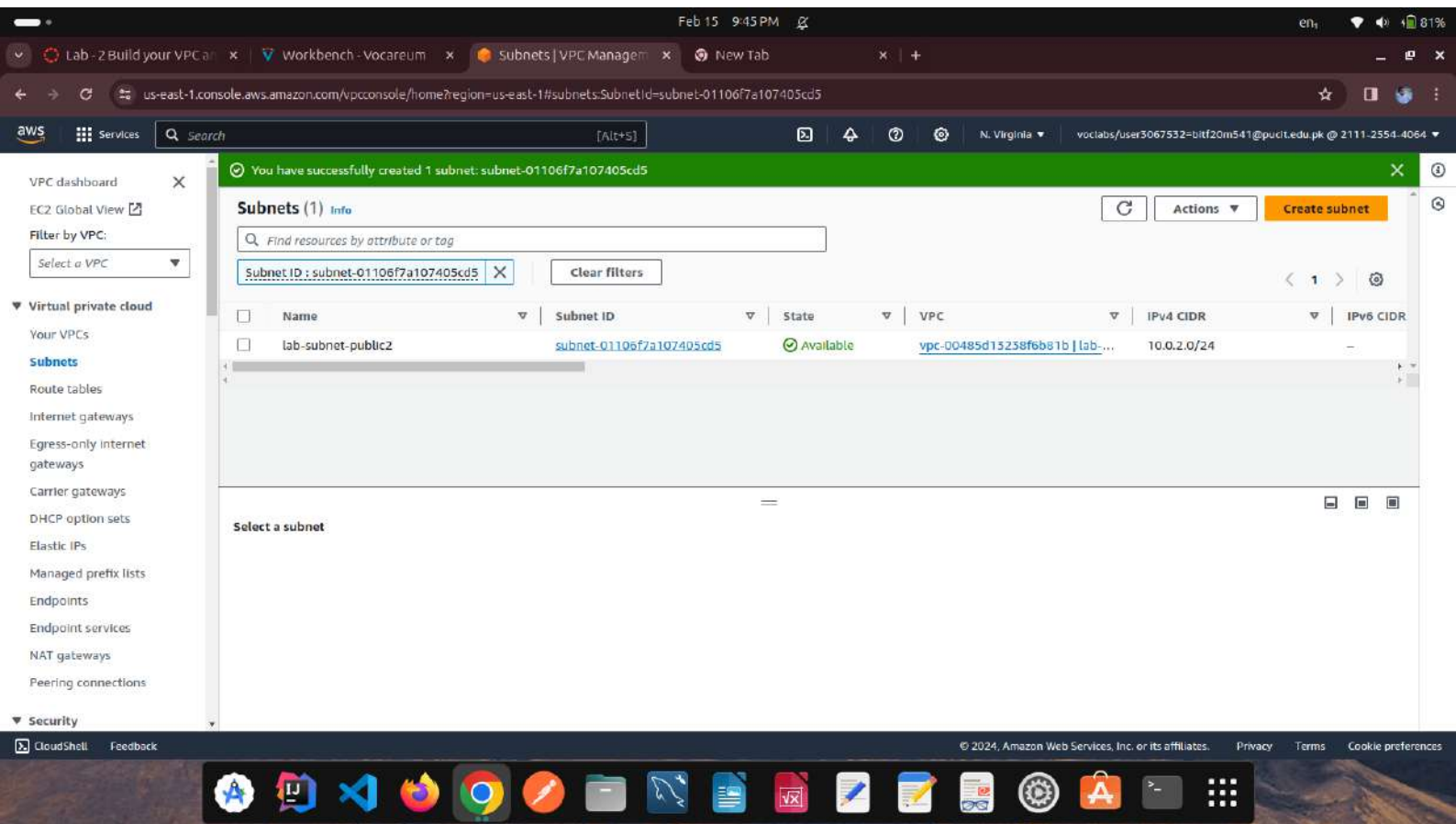
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RouteTables | VPC Cons

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

aws

Services

Search

[Alt+S]

N. Virginia

vociabs/user3067532=bitf20m541@pucl.edu.pk @ 2111-2554-4064

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

Endpoint services

NAT gateways

Peering connections

Security

CloudShell

Feedback

Route tables (1/6) Info

Find resources by attribute or tag

Actions

Create route table

Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
<input checked="" type="checkbox"/> lab-rtb-private1-us-east-1a	rtb-0c34df2a90b0981c1	subnet-03a6bde0d70413...	—	No	vpc-00485d13238f6b81b lab-...
<input type="checkbox"/> —	rtb-0dfc699b8e2ddf1bb	—	—	Yes	vpc-01e92149533a48f64 Wor...
<input type="checkbox"/> lab-rtb-public	rtb-02feb950195f208f5	subnet-0f528ca3c6d953...	—	No	vpc-00485d13238f6b81b lab-...
<input type="checkbox"/> Work Public Route Table	rtb-02cf208615e571c9c	subnet-0b4392e4218529...	—	No	vpc-01e92149333a48f64 Wor...
<input type="checkbox"/> —	rtb-0eb99bbdbd1b3f1d3	—	—	Yes	vpc-00485d13238f6b81b lab-...
<input type="checkbox"/> —	rtb-0651ed94c9fa3f667	—	—	Yes	vpc-080b8de21637f93b8

Details

Routes

Subnet associations

Edge associations

Route propagation

Tags

Explicit subnet associations (1)

Find subnet association

Edit subnet associations

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
lab-subnet-private1-us-east-1a	subnet-03a6bde0d70413f51	10.0.1.0/24	—

Subnets without explicit associations (2)

Edit subnet associations

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Firefox

VS Code

Terminal

Files

Calendar

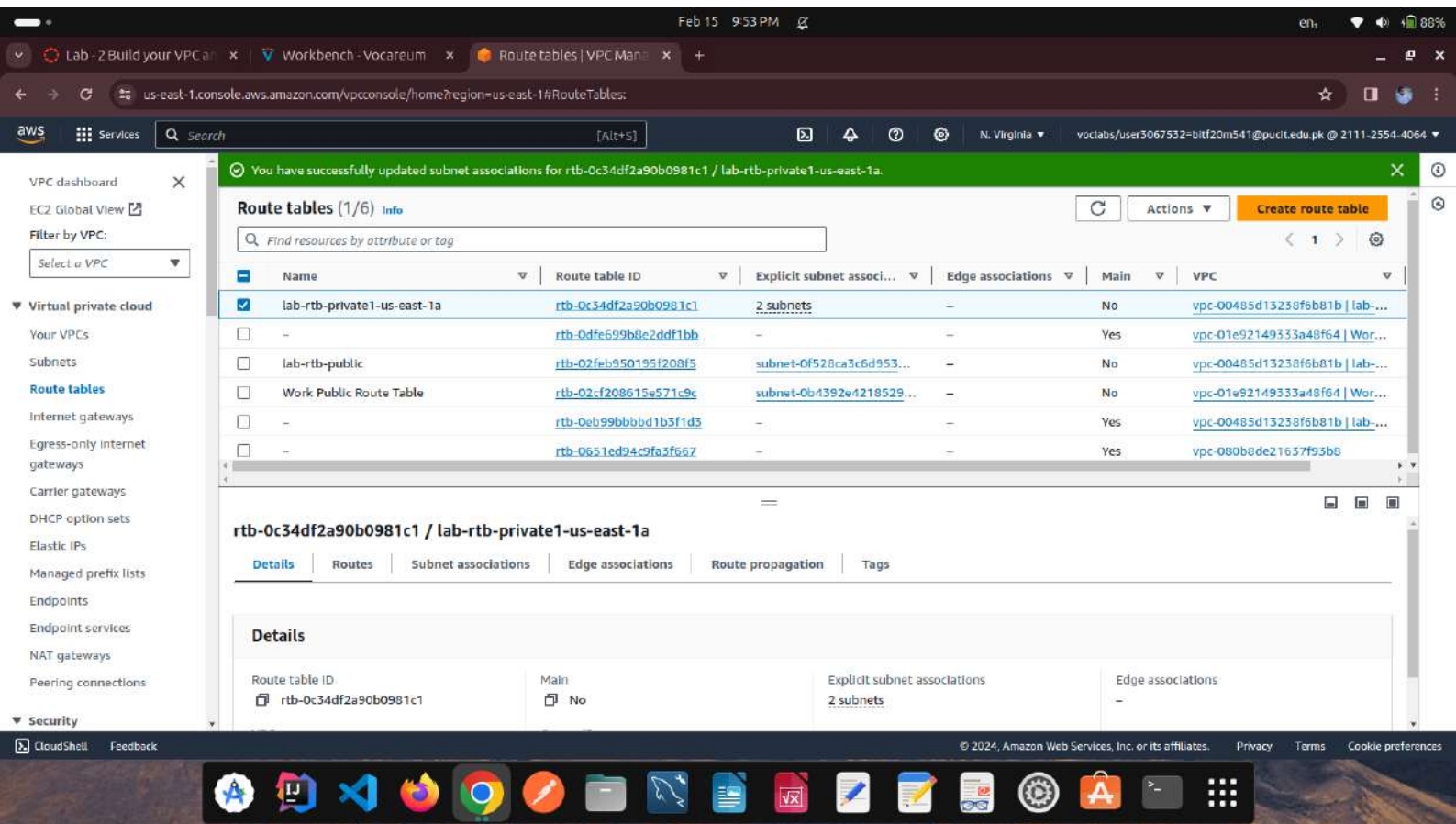
Photos

Music

Settings

System

Spotlight

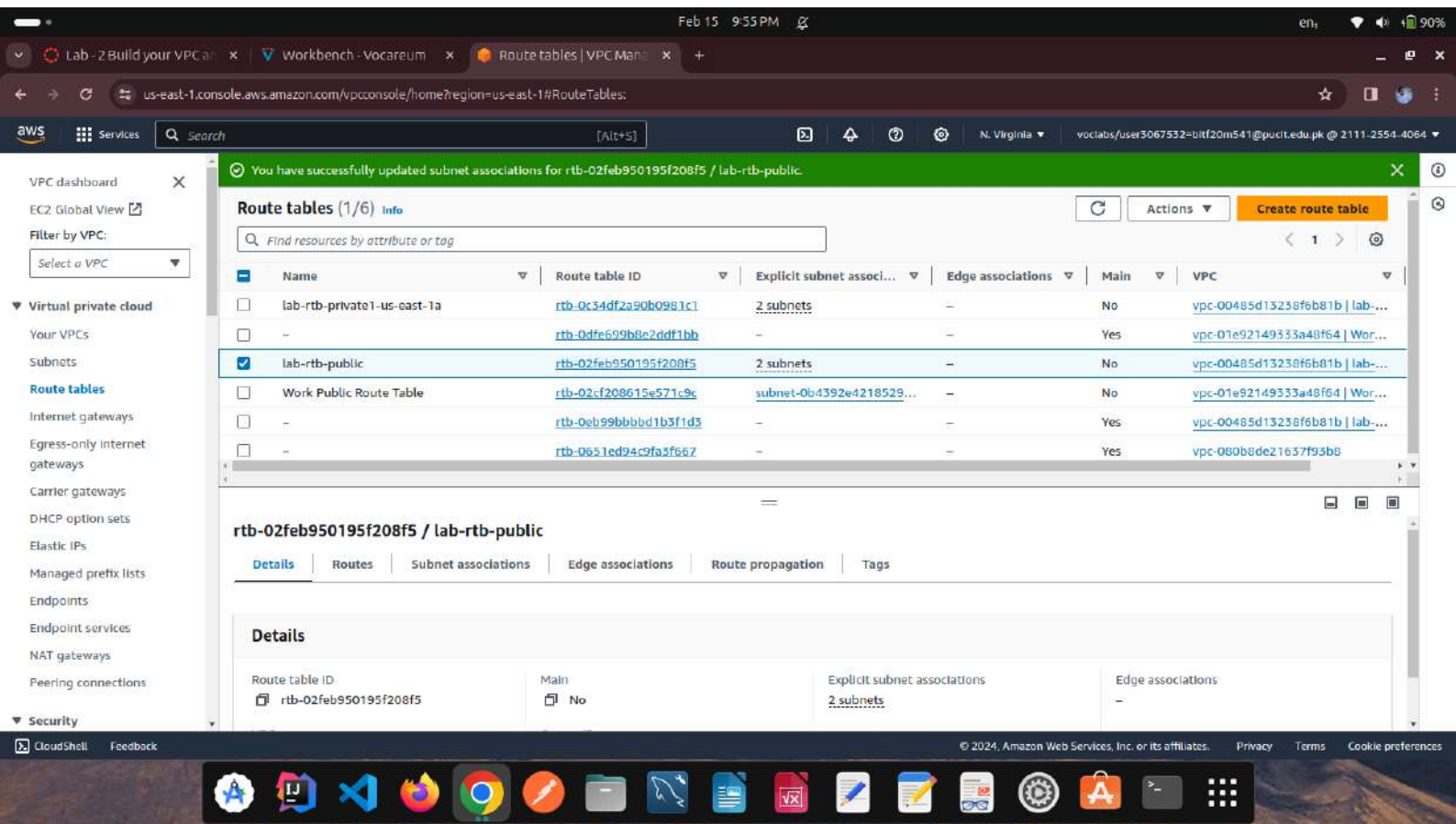


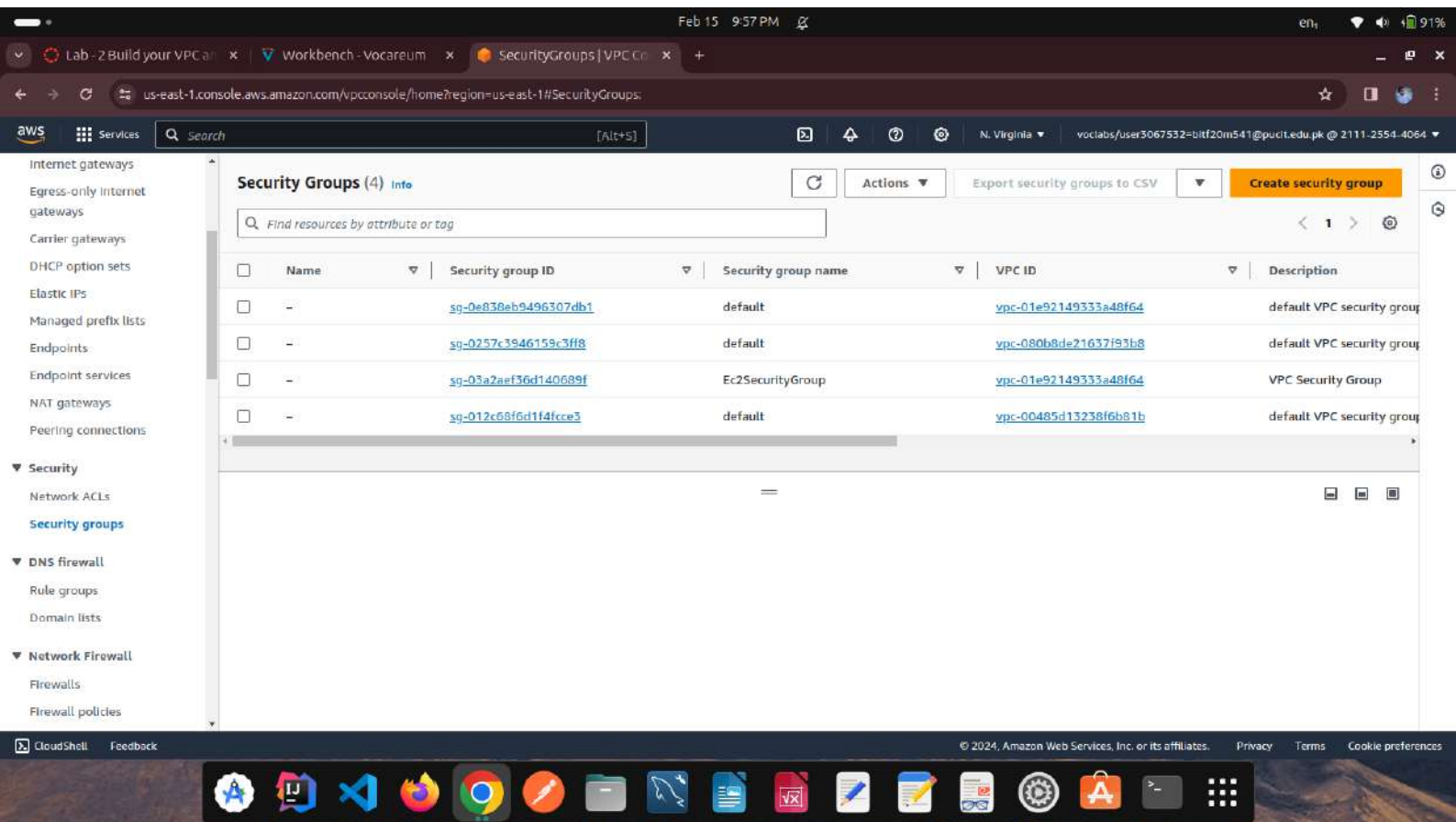
Available subnets (2/4)

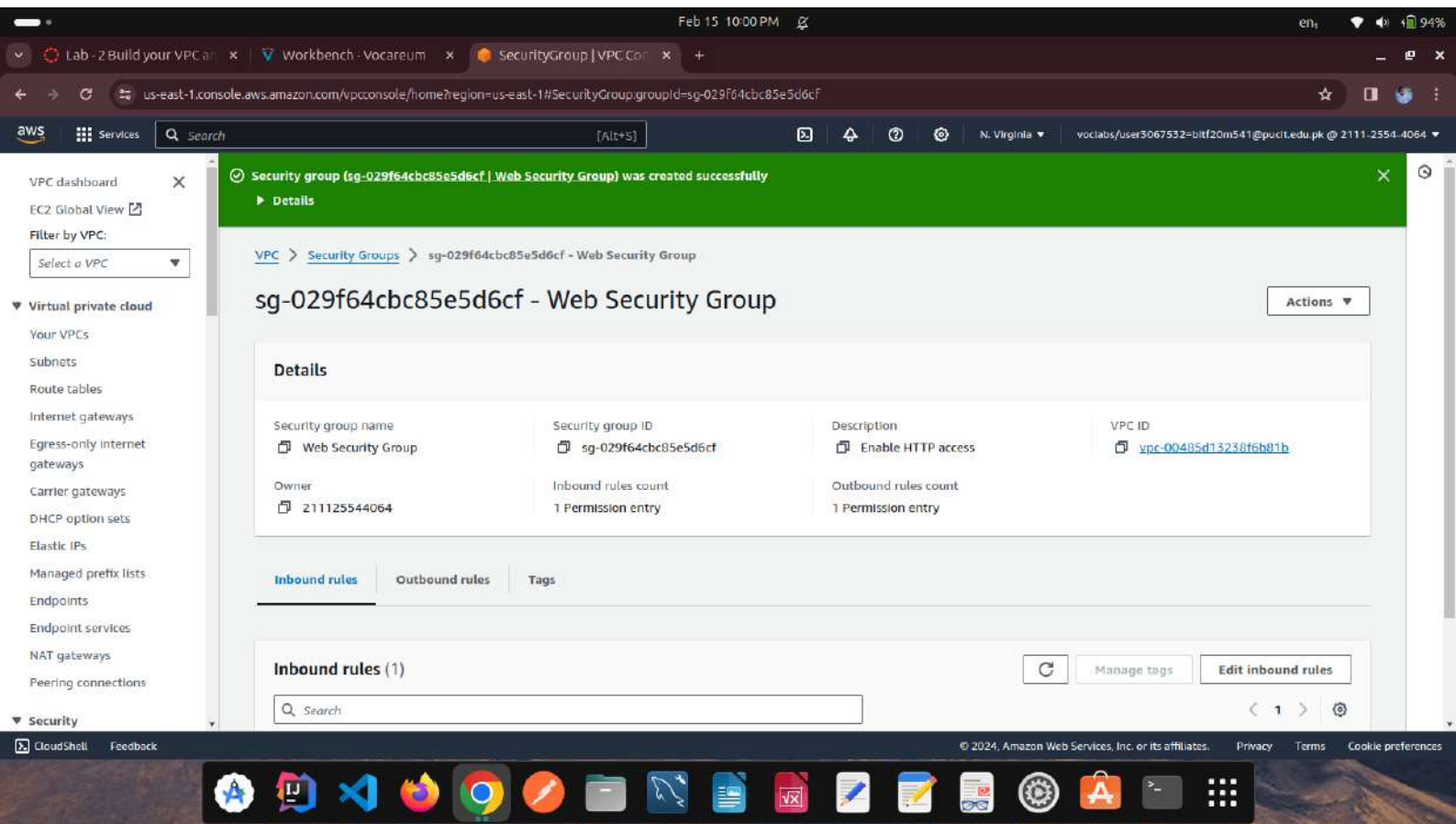
Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
Subnet-1	subnet-00000000	10.0.0.0/24		rtb-00000000

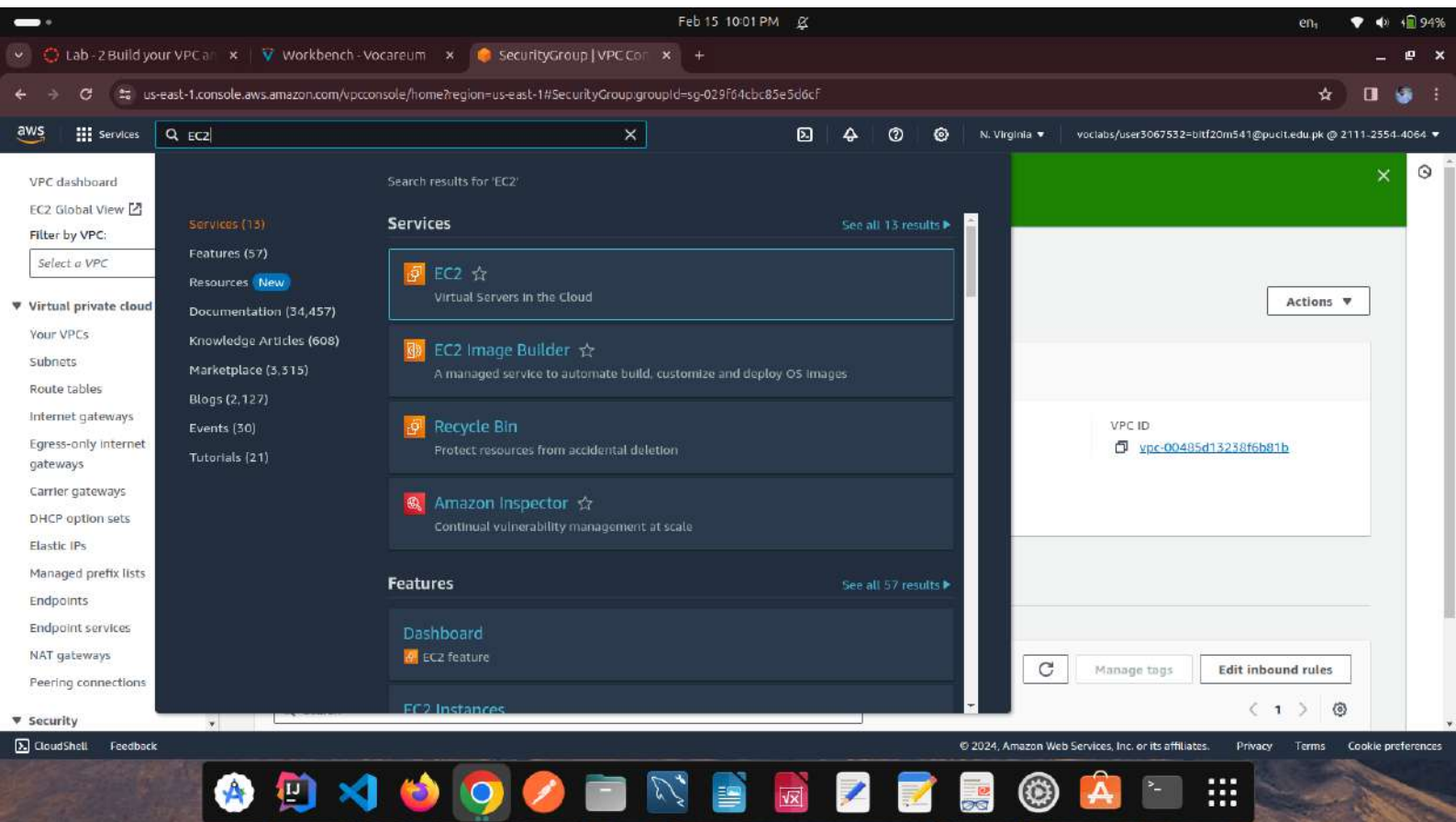
subnet-0f528ca3c6d953963 / lab-subnet-public1-us-east-1a X subnet-01106f7a107405cd5 / lab-subnet-public2 X

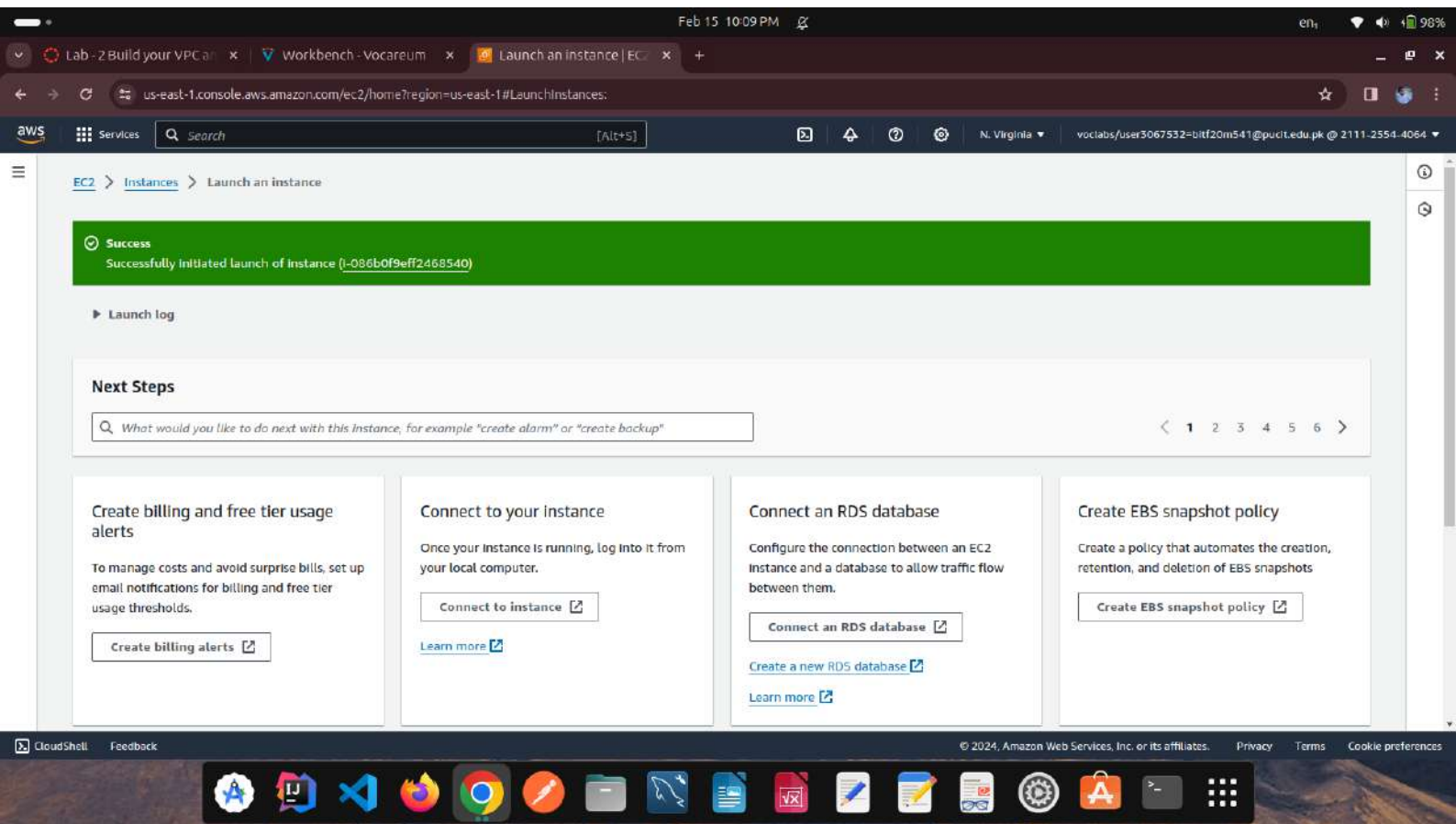
Cancel Save associations











The screenshot shows the AWS Management Console for the 'us-east-1' region. The 'Instances (2)' page is active, displaying a table of EC2 instances. The table has the following columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, and Public IPv4 address. Two instances are listed: 'Bastion Host' (t2.micro, Running) and 'Web Server 1' (t2.micro, Initializing). The 'Bastion Host' has a status check of '2/2 checks passed' and a public IPv4 address of '54.82.29.122'. The 'Web Server 1' has a status check of 'Initializing' and a public IPv4 address of '55.174.17.185'. The interface includes a search bar, filters, and a table with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, and Public IPv4 address.

Lab - 2 Build your VPC an xWorkbench - Vocareum xInstances | EC2 | us-east-1 x

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

awsServicesSearch[Alt+S]

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Instances (1/2) Info

Find Instance by attribute or tag (case-sensitive)Any state

RefreshConnectInstance stateActionsLaunch Instances

< 1 >

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elas
<input type="checkbox"/>	Bastion Host	i-0716bf197f862eef9	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	ec2-54-82-29-122.com...	54.82.29.122	-
<input checked="" type="checkbox"/>	Web Server 1	i-086b0f9eff2468540	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	ec2-55-174-17-183.co...	35.174.17.185	-

Instance: i-086b0f9eff2468540 (Web Server 1)

DetailsStatus and alarms NewMonitoringSecurityNetworkingStorageTags

Instance summary Info

Instance ID
i-086b0f9eff2468540 (Web Server 1)

IPv6 address
-

Hostname type
IP name: ip-10-0-2-85.ec2.internal

Public IPv4 address
35.174.17.183 [open address](#)

Instance state
Running

Private IP DNS name (IPv4 only)
ip-10-0-2-85.ec2.internal

Private IPv4 addresses
10.0.2.85

Public IPv4 DNS
ec2-55-174-17-183.compute-1.amazonaws.com [open address](#)

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aws Load Test RDS

Meta-Data	Value
InstanceId	i-086b0f9eff2468540
Availability Zone	us-east-1b

Current CPU Load: 2%

