Dhrish E0320008

Services - Vpc - Vpc console

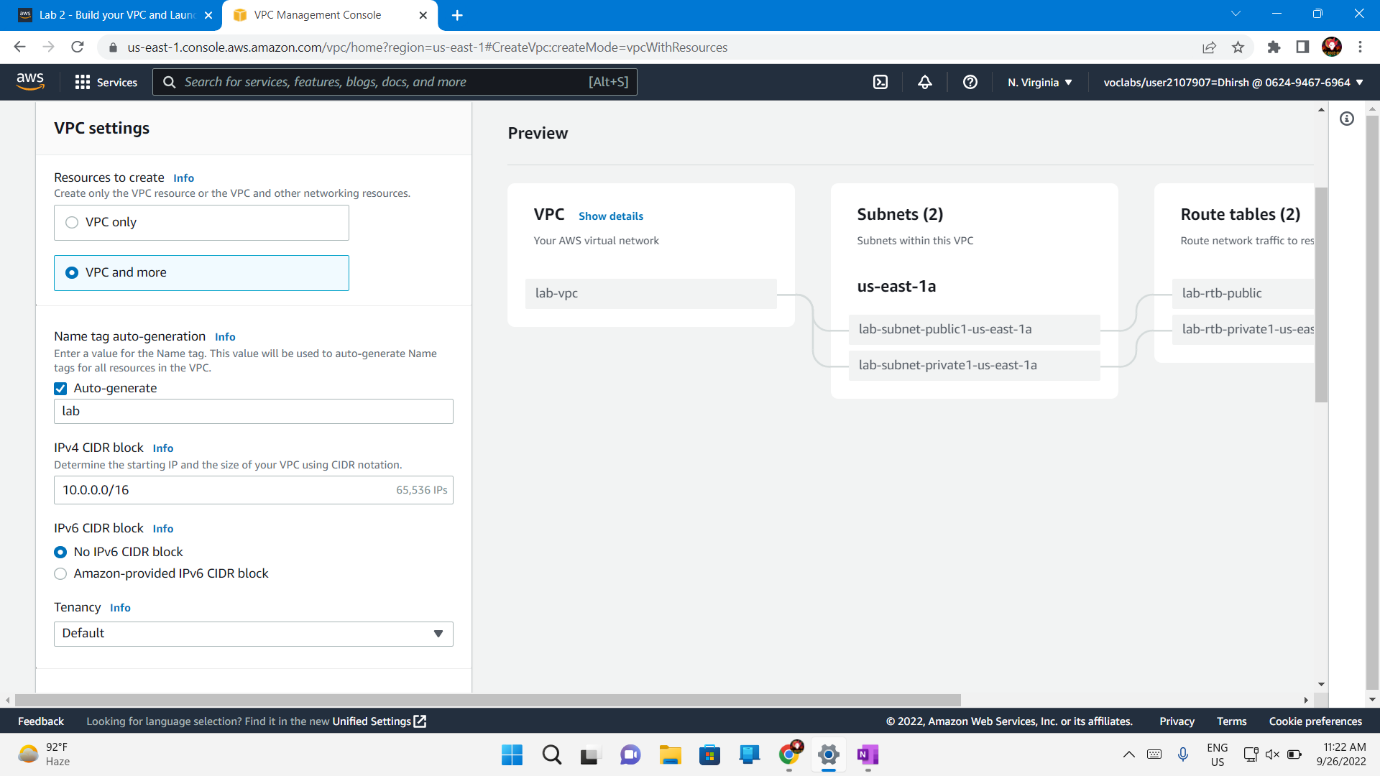
Top left - new vpc experience – toggle button on

Vpc dashboard - create vpc

Vpc and more

Auto generate - selected

Change project -> lab



Keep ipv4 default

Availability zone - 1

Public subnet - 1

Private subnet - 1

Customize subnet cidr block -

Public and private subnet - 10.0.0.0/24 and 10.0.1.0/24

A screenshot of a computer

Description automatically generated

Nat gateway - in 1 AZ

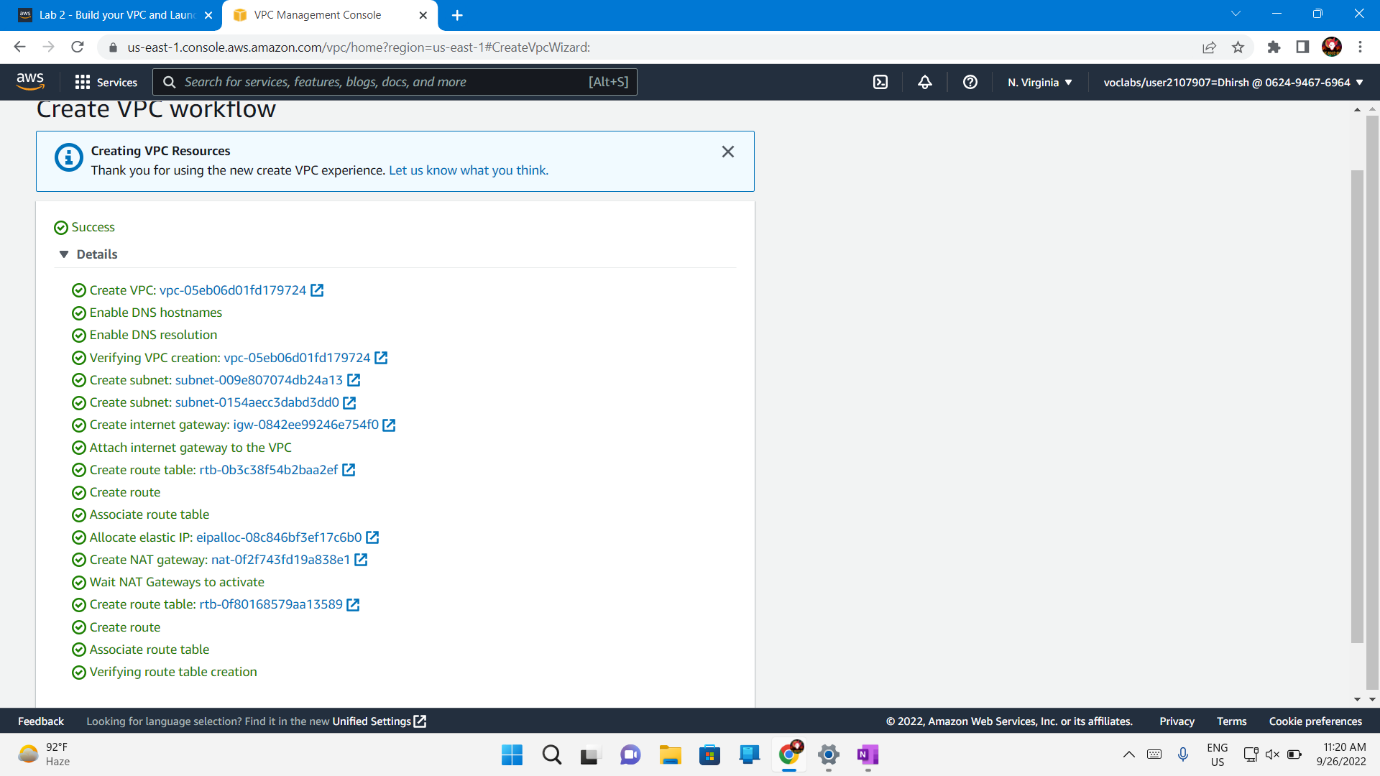
Vpc endpoints - none

Keep both **DNS hostnames** and **DNS resolution** *enabled*

Create VPC

A screenshot of a computer

Description automatically generated



A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

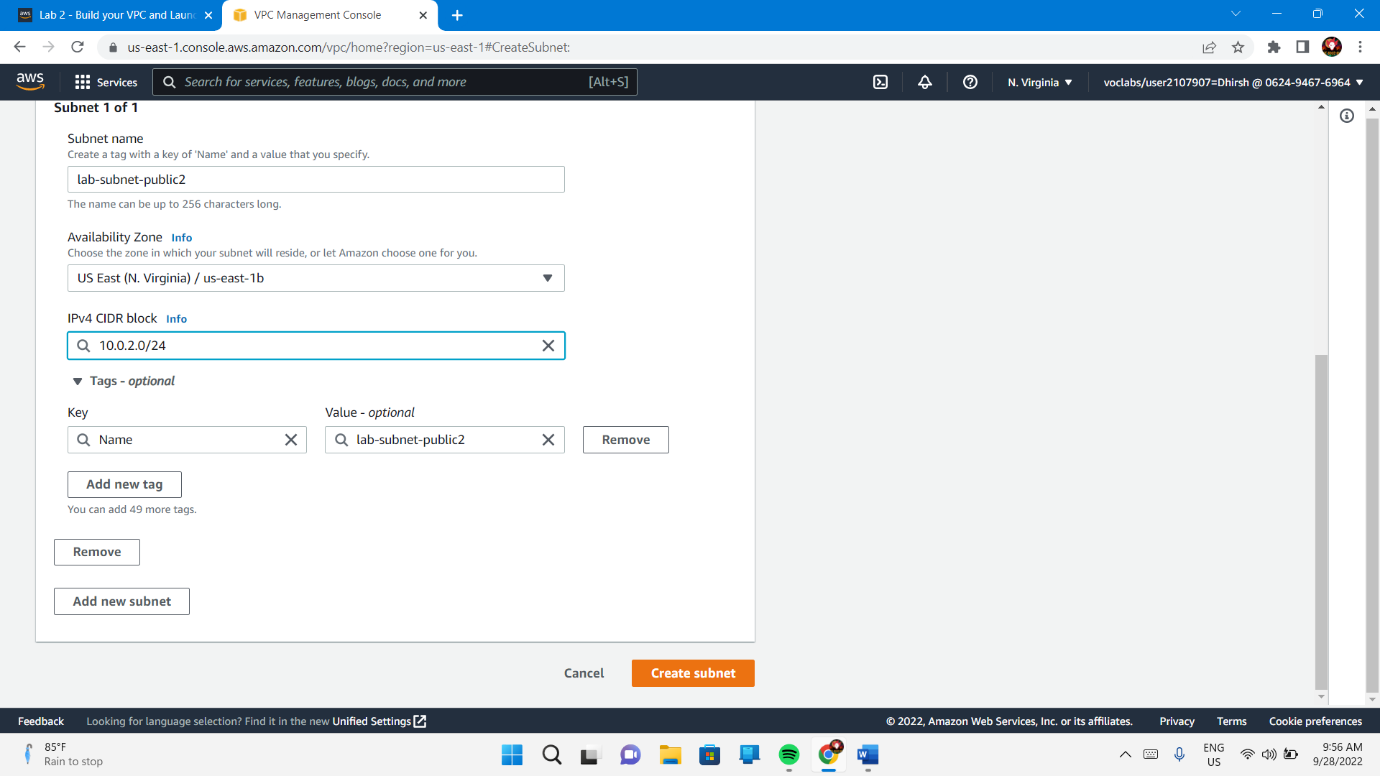
END LAB

Graphical user interface, text, application

Description automatically generated

TASK 2

**Create Additional Subnets**



A screenshot of a computer

Description automatically generated

Graphical user interface, text, application

Description automatically generated

VPC – Subnet – Create Subnet

ID : lab-vpc from drop-down

Subnet name : lab-subnet-public2

Availability Zone – us-east-1b

**IPv4 CIDR block:** 10.0.2.0/24

Availability Zone – us-east-1b

Note : The subnet will have all IP addresses starting with **10.0.2.x**.

The second public subnet was created. You will now create a second private subnet.

Created.

Graphical user interface, text

Description automatically generated

A screenshot of a computer

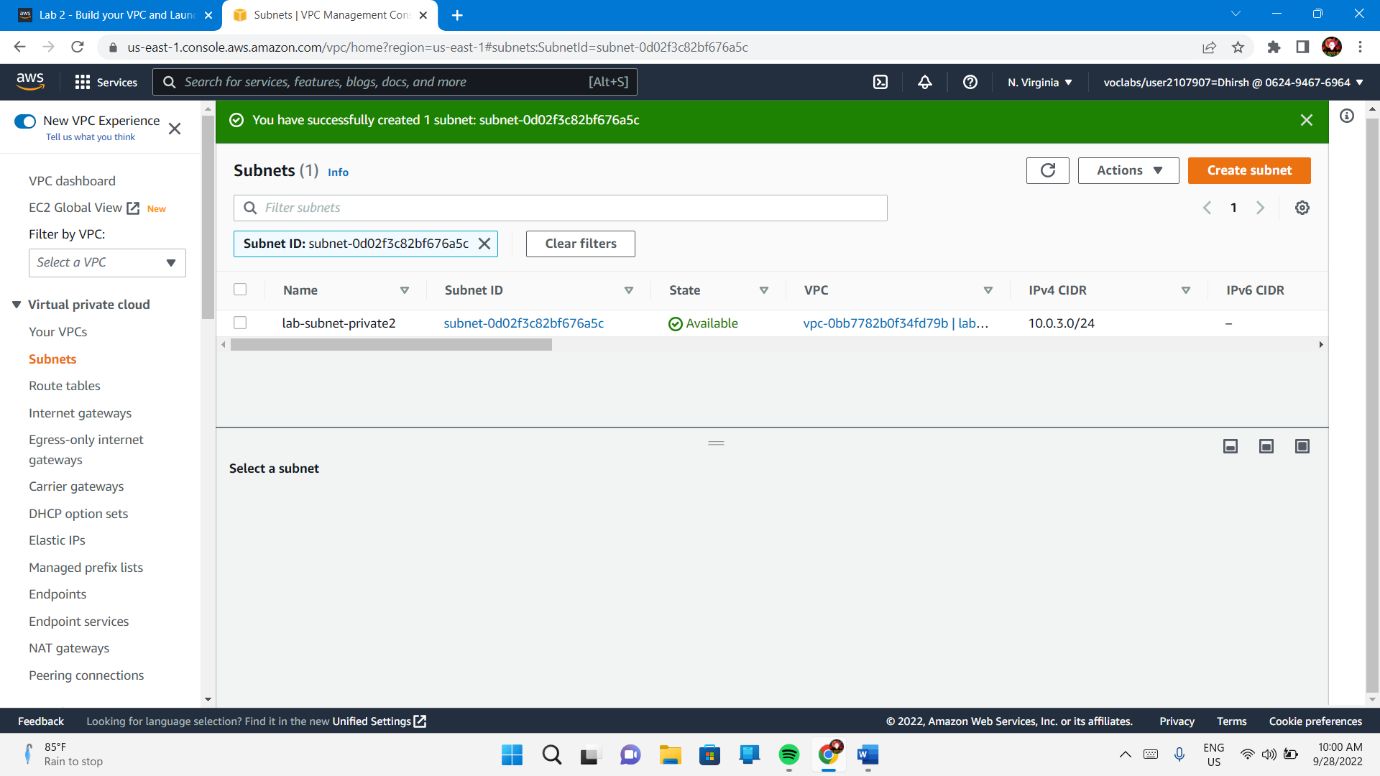
Description automatically generated

A screenshot of a computer

Description automatically generated

Graphical user interface, text

Description automatically generated



ID : lab-vpc from drop-down

Subnet name : lab-subnet-private2

Availability Zone – us-east-1b

**IPv4 CIDR block:** 10.0.3.0/24

Availability Zone – us-east-1b

The subnet will have all IP addresses starting with **10.0.3.x**.

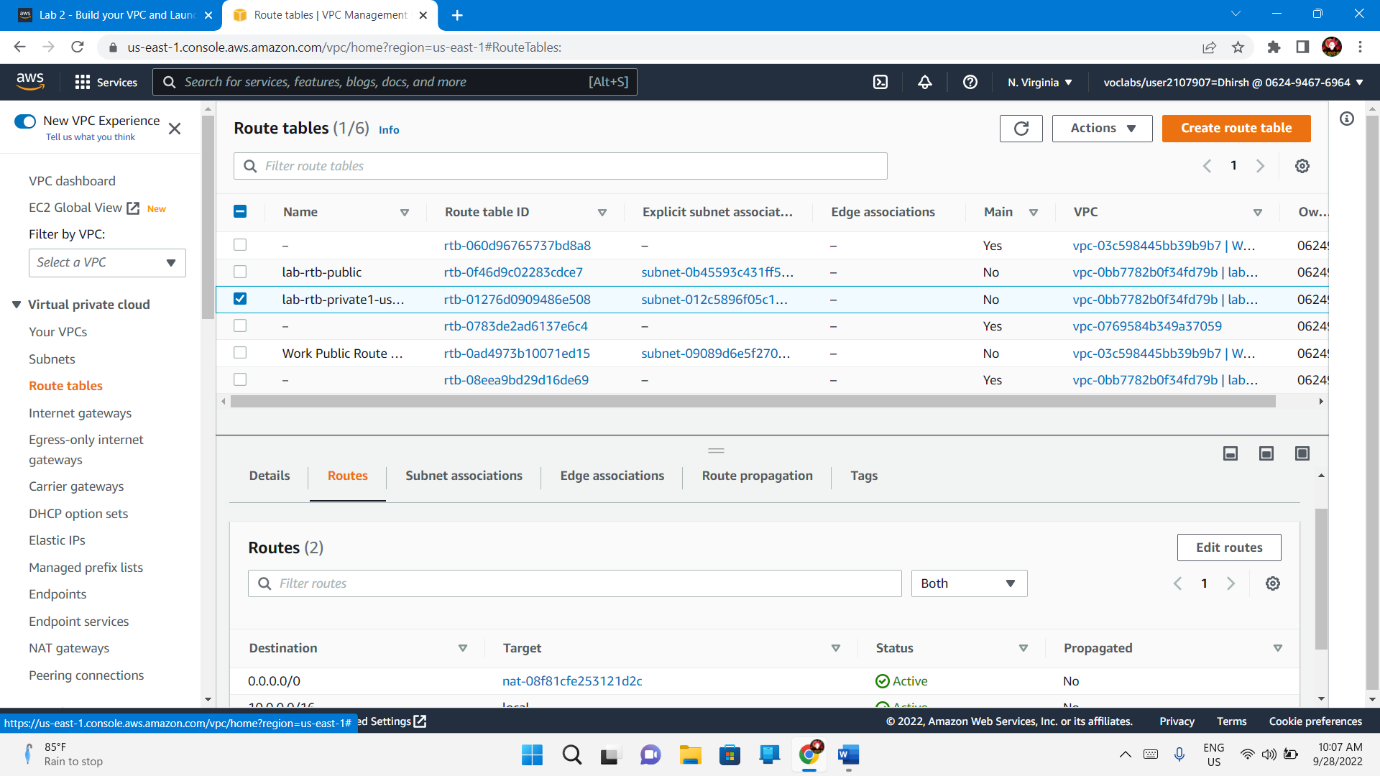
Created.

Note : configure this new private subnes to route internet-bound traffic to the NAT Gateway so that resources in the second private subnet are able to connect to the Internet, while still keeping the resources private. This is done by configuring a Route Table.

A route table contains a set of rules, called routes, that are used to determine where network traffic is directed. Each subnet in a VPC must be associated with a route table; the route table controls routing for the subnet.

A screenshot of a computer

Description automatically generated



Route Tables – Select **lab-rtb-private1-us-east-1a** route table.

Routes Tab – Subnet Association – Edit Subnet Association - Leave **lab-subnet-private1-us-east-1a** selected, but also select **lab-subnet-private2** -Save Association

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

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A screenshot of a computer

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A screenshot of a computer

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Graphical user interface, text, application

Description automatically generated

Route Tables – Select **lab-rtb-public** route table

**Subnet associations** tab - Edit Subnet Association - Leave **lab-subnet-public1-us-east-1a** selected, but also select **lab-subnet-public2** – Save Association

End Lab.