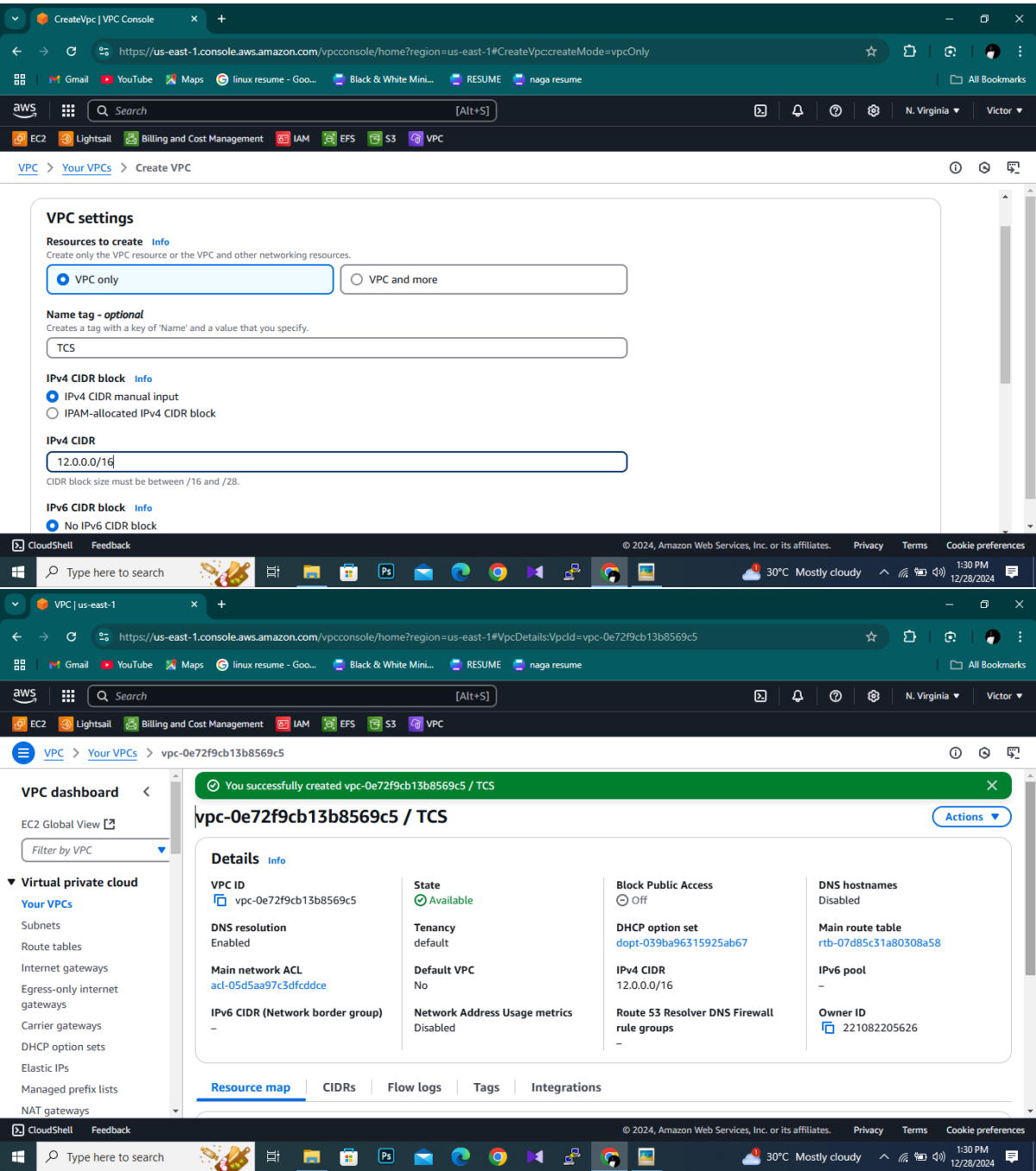


Designed and implemented a VPC in alignment with client requirements, allocating specific subnet IP addresses to EC2 instances, ensuring a secure, scalable, and optimized network configuration to meet the client's cloud infrastructure needs.



Designed and implemented a VPC in alignment with client requirements, allocating specific subnet IP addresses to EC2 instances, ensuring a secure, scalable, and optimized network configuration to meet the client's cloud infrastructure needs.

vpccs | VPC Console

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

Search [Alt+S]

EC2 Lightsail Billing and Cost Management IAM EFS S3 VPC

VPC dashboard

EC2 Global View

Filter by 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

NAT gateways

You successfully created vpc-0e72f9cb13b8569c5 / TCS

Your VPCs (2)

Search

	Name	VPC ID	State	Block Public...	IPv4 CIDR	IF
<input type="checkbox"/>	-	vpc-0386d07785fc99c9c	Available	Off	172.31.0.0/16	-
<input type="checkbox"/>	TCS	vpc-0e72f9cb13b8569c5	Available	Off	12.0.0.0/16	-

Select a VPC above

CloudShell Feedback

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Type here to search

30°C Mostly cloudy 1:31 PM 12/28/2024

Launch an instance | EC2 | us-east-1

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

Search [Alt+S]

EC2 Lightsail Billing and Cost Management IAM EFS S3 VPC

EC2 > Instances > Launch an instance

Name and tags

Name

TCS-LINUX-VPC

Add additional tags

Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

Debian

Browse more AMIs

Including AMIs from

Summary

Number of instances

1

Software Image (AMI)

Provided by Red Hat, Inc.

ami-0c7af5fe939f2677f

Virtual server type (instance type)

t2.micro

Firewall (security group)

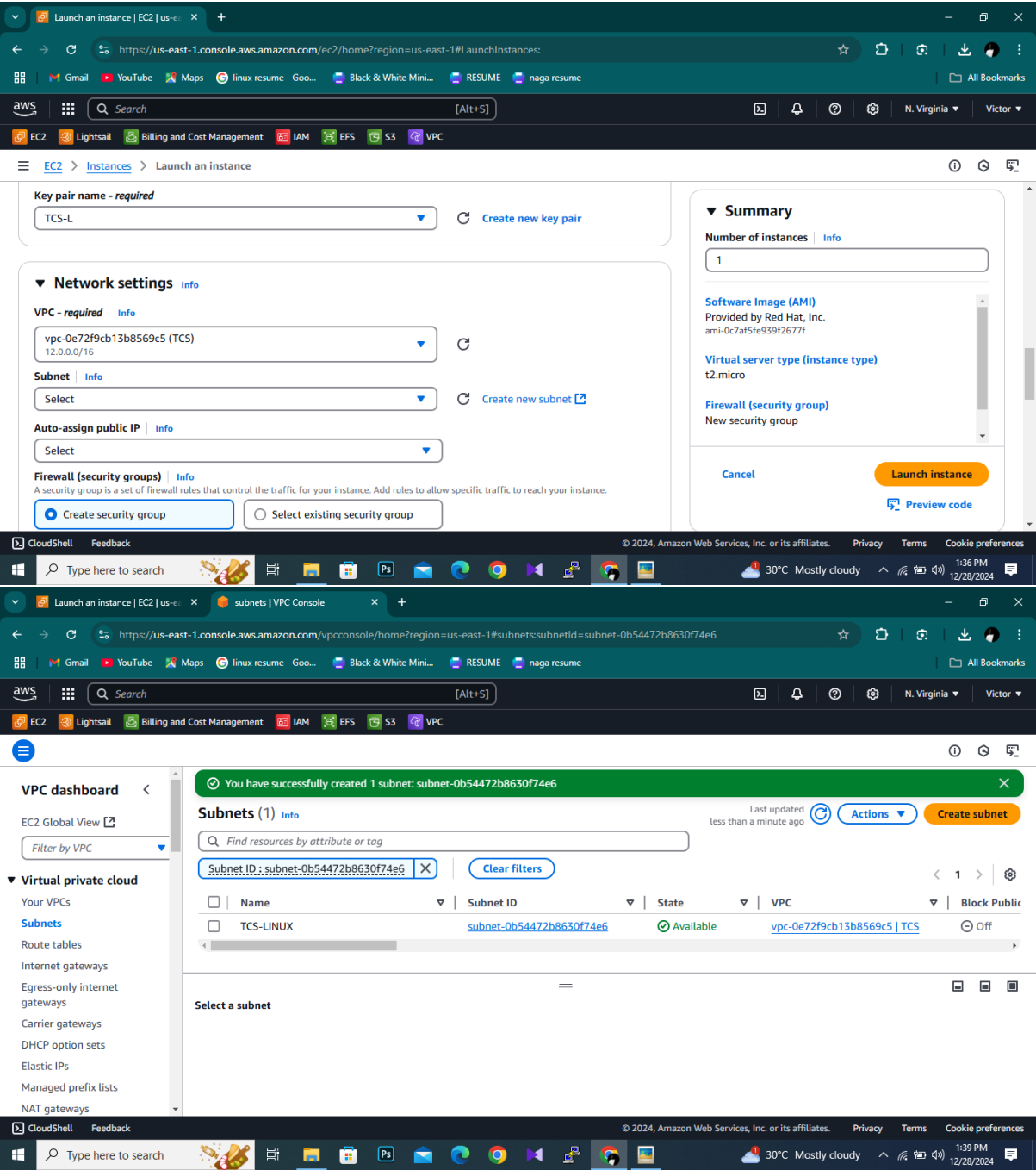
New security group

Cancel

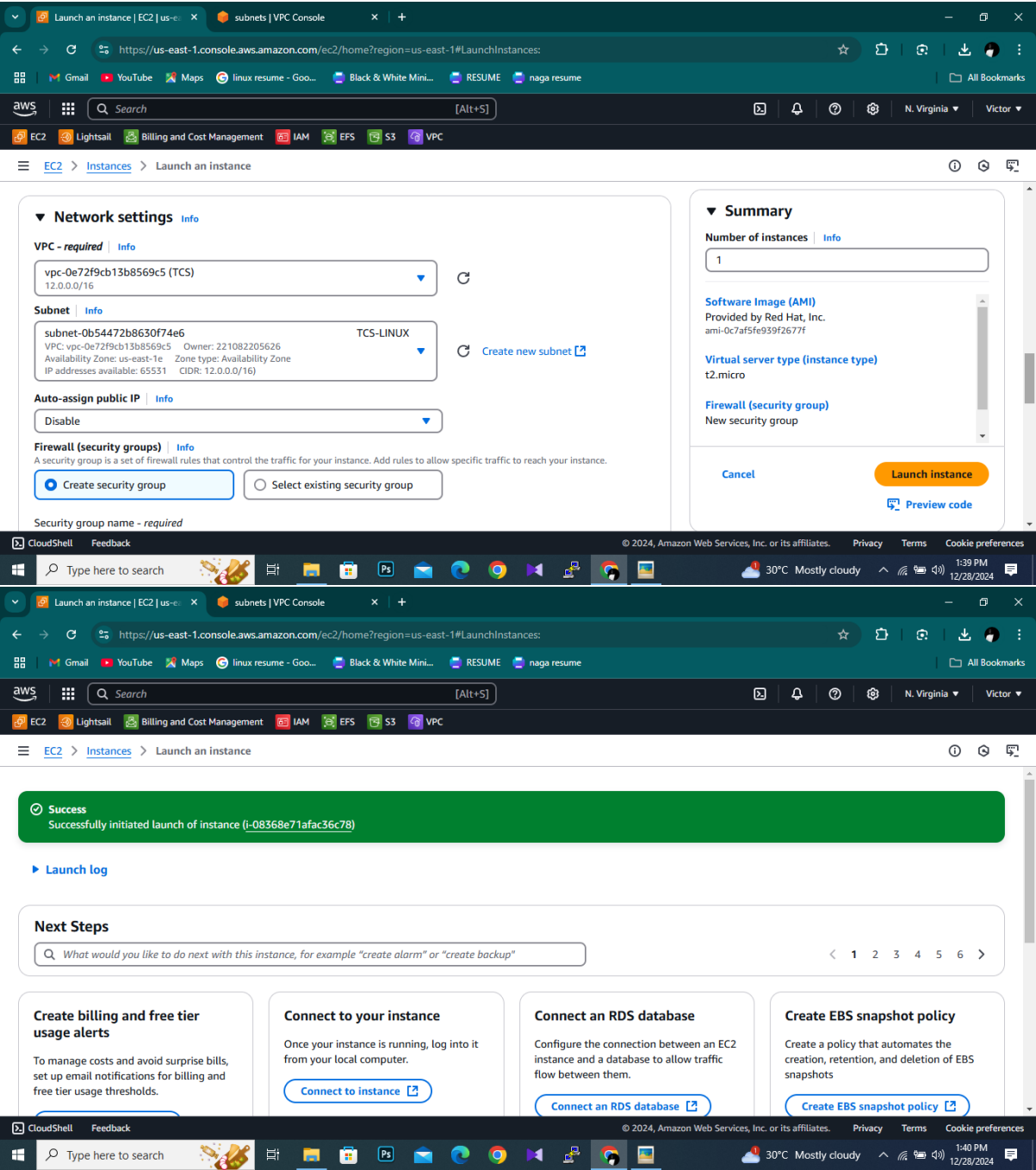
Launch instance

Preview code

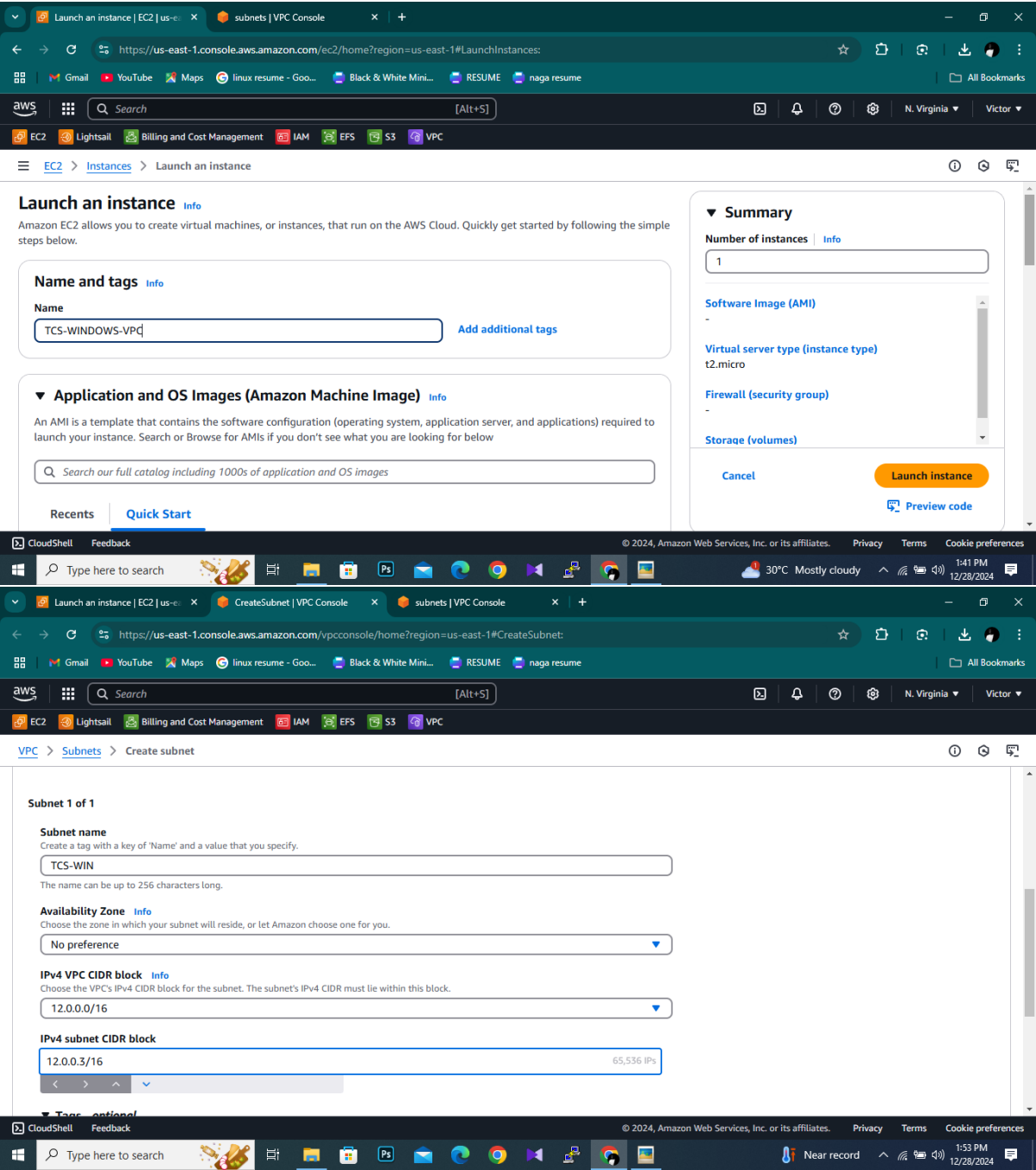
Designed and implemented a VPC in alignment with client requirements, allocating specific subnet IP addresses to EC2 instances, ensuring a secure, scalable, and optimized network configuration to meet the client's cloud infrastructure needs.



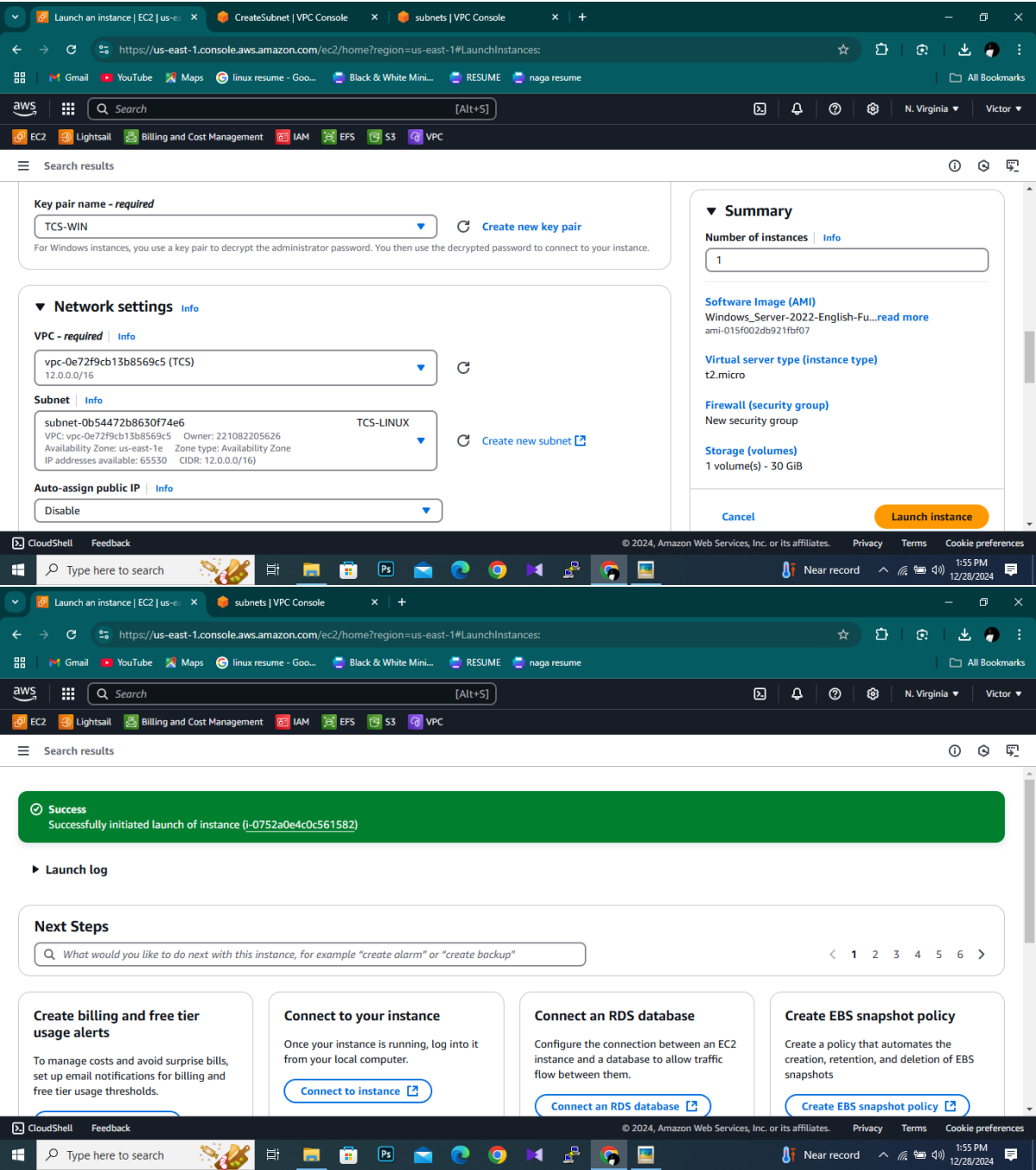
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The screenshot displays the AWS Management Console interface. The top navigation bar shows the 'Instances' page for the 'us-east-1' region. The left sidebar contains a navigation menu with options like 'Dashboard', 'EC2 Global View', 'Events', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images', 'AMIs', and 'AMI Catalog'. The main content area shows a list of EC2 instances. Two instances are visible: 'TCS-WINDOW...' with ID 'i-0752a0e4c0c561582' and 'TCS- LINUX-VPC' with ID 'i-08368e71afac36c78'. Both are in a 'Running' state. Below the list, there's a 'Select an instance' section. Overlaid on the console is a 'PuTTY Configuration' dialog box. The 'Category' list on the left includes 'Keyboard', 'Bell', 'Features', 'Window', 'Appearance', 'Behaviour', 'Translation', 'Selection', 'Colours', 'Connection', 'Data', 'Proxy', 'SSH', 'Host keys', 'Cipher', 'Auth', 'Credentials', 'GSSAPI', 'TTY', and 'X11'. The 'SSH' category is selected. The 'Credentials to authenticate with' section shows 'Public-key authentication' selected. The 'Private key file for authentication' is set to 'C:\Users\VIJAY\Downloads\TCS-L.ppk'. The 'Certificate to use with the private key (optional)' field is empty. The 'Plugin to provide authentication responses' section is also empty. The 'Open' button is highlighted. In the background, the 'Connect to instance' page is visible, showing the instance ID 'i-08368e71afac36c78' and instructions for connecting via SSH. A note at the bottom states: 'Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.'

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
TCS-WINDOW...	i-0752a0e4c0c561582	Running	t2.micro	Initializing	View alarms +	us-east-1e
TCS- LINUX-VPC	i-08368e71afac36c78	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1e

Connect to instance Info

Connect to your instance i-08368e71afac36c78 (TCS- LINUX-VPC) using SSH.

EC2 Instance Connect | Session Manager | **SSH**

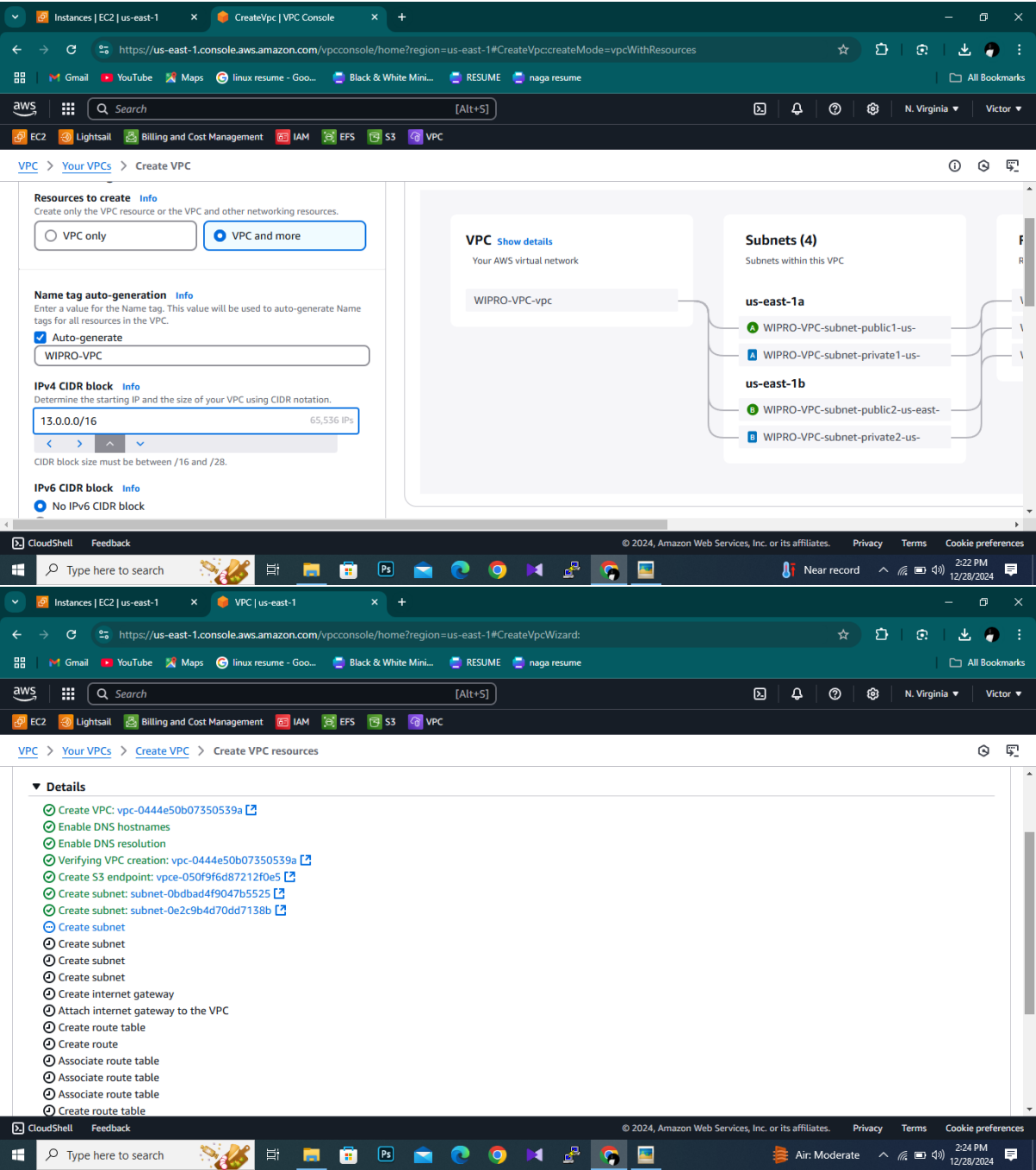
Instance ID
i-08368e71afac36c78 (TCS- LINUX-VPC)

- Open an SSH client.
- Locate your private key file. The key used to launch this instance is `i-08368e71afac36c78.pem`.
- Run this command, if necessary, to ensure your key is not protected by a passphrase:
`chmod 400 "TCS-L.pem"`
- Connect to your instance using its Private IP:
`12.0.51.227`

Example:
`ssh -i "TCS-L.pem" ec2-user@12.0.51.227`

Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

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Instances | EC2 | us-east-1

vpcs | VPC Console

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

Search [Alt+S]

EC2 Lightsail Billing and Cost Management IAM EFS S3 VPC

VPC dashboard

EC2 Global View

Filter by VPC

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Your VPCs

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Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Your VPCs (2) Info

Last updated 1 minute ago

Actions

Create VPC

Search

	Name	VPC ID	State	Block Public...	IPv4 CIDR	IF
<input type="checkbox"/>	-	vpc-0386d07785fc99c9c	Available	Off	172.31.0.0/16	-
<input type="checkbox"/>	WIPRO-VPC-vpc	vpc-0444e50b07350539a	Available	Off	13.0.0.0/16	-

Select a VPC above

CloudShell Feedback

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Launch an instance | EC2 | us-east-1

vpcs | VPC Console

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

Search [Alt+S]

EC2 Lightsail Billing and Cost Management IAM EFS S3 VPC

EC2 > Instances > Launch an instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name

WIBRO-LINUX-VPC

Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents Quick Start

Summary

Number of instances Info

1

Software Image (AMI)

Provided by Red Hat, Inc.

ami-0c7af5fe939f2677f

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Cancel

Launch instance

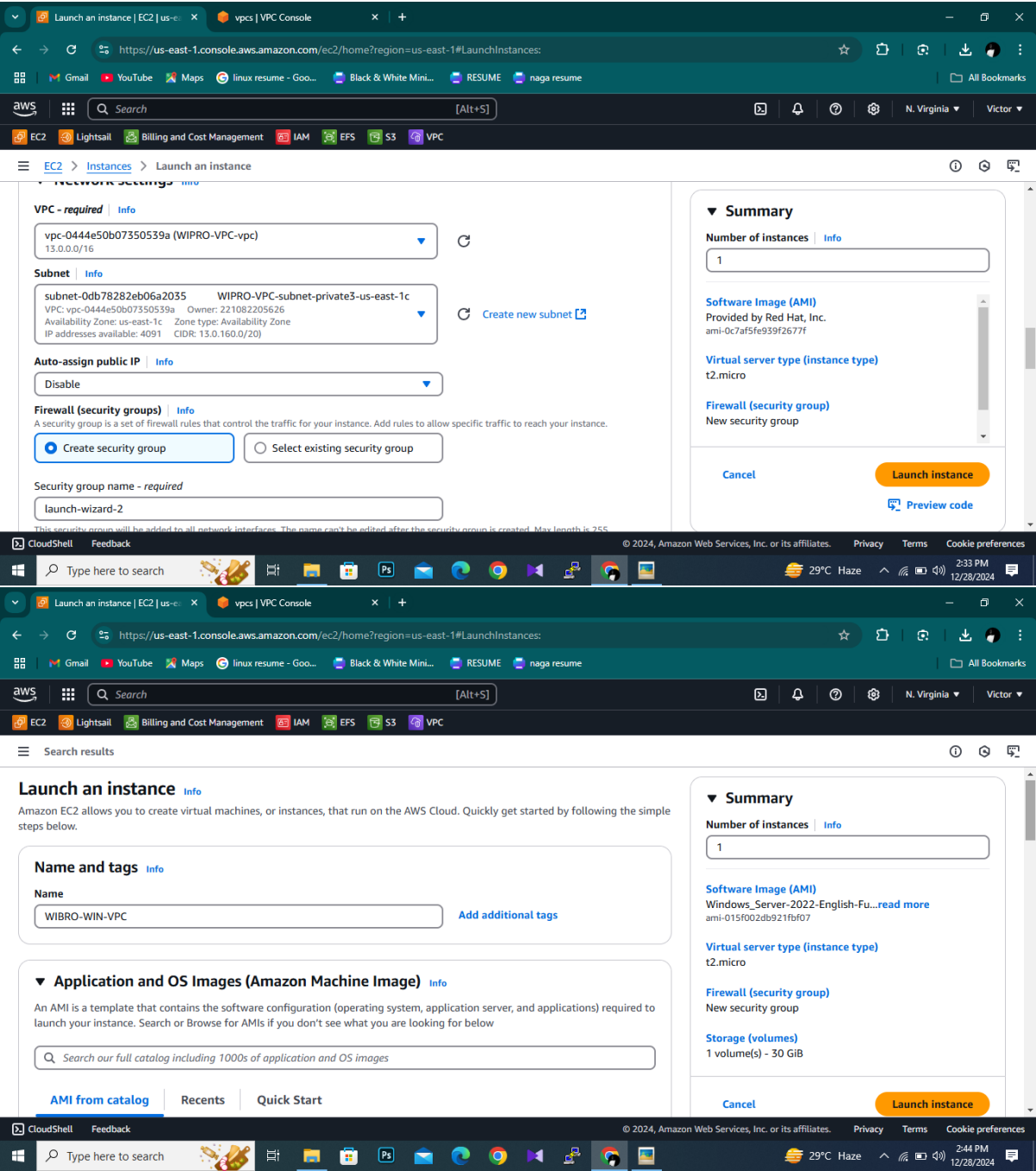
Preview code

CloudShell Feedback

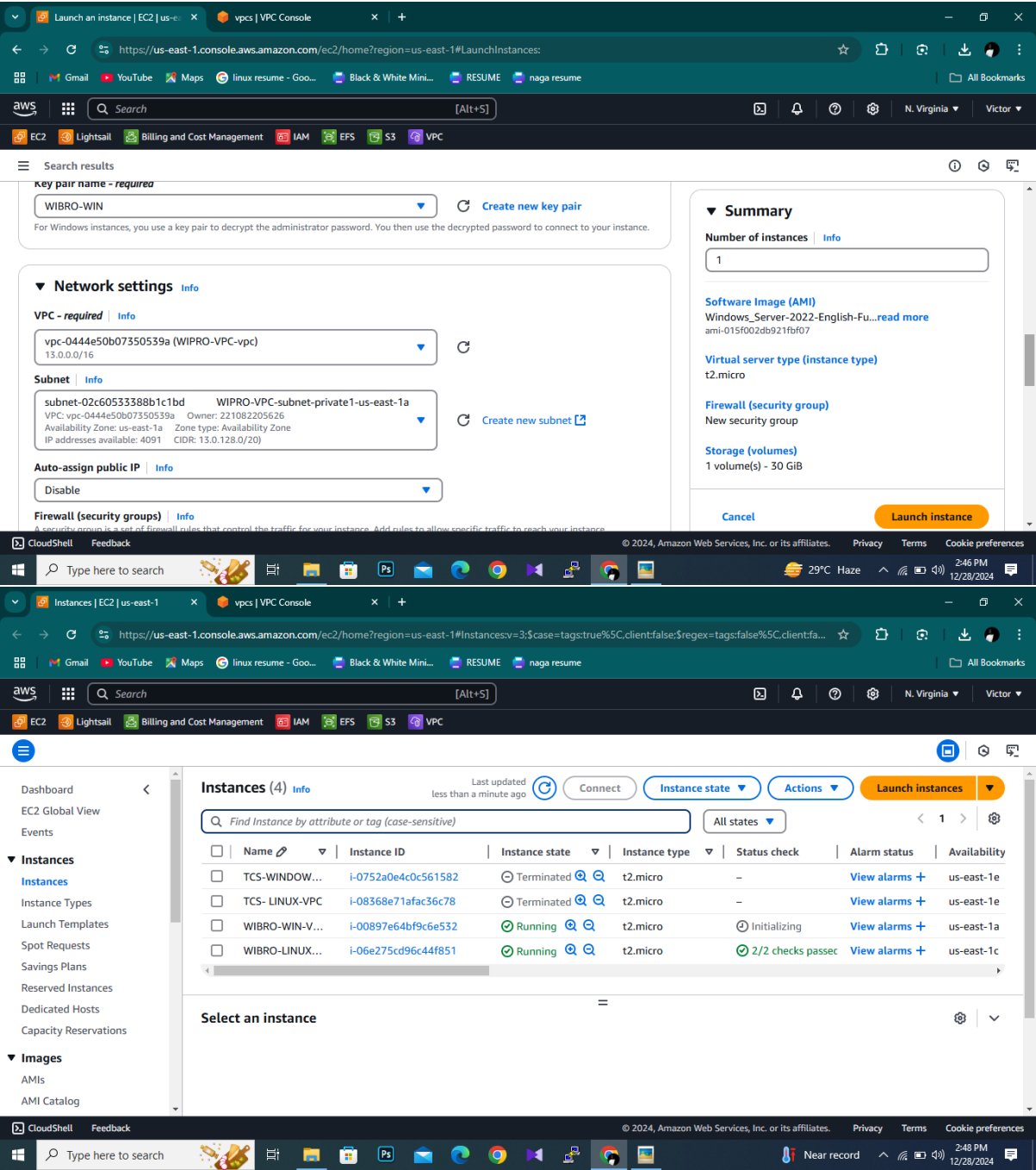
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29°C Haze 2:31 PM 12/28/2024

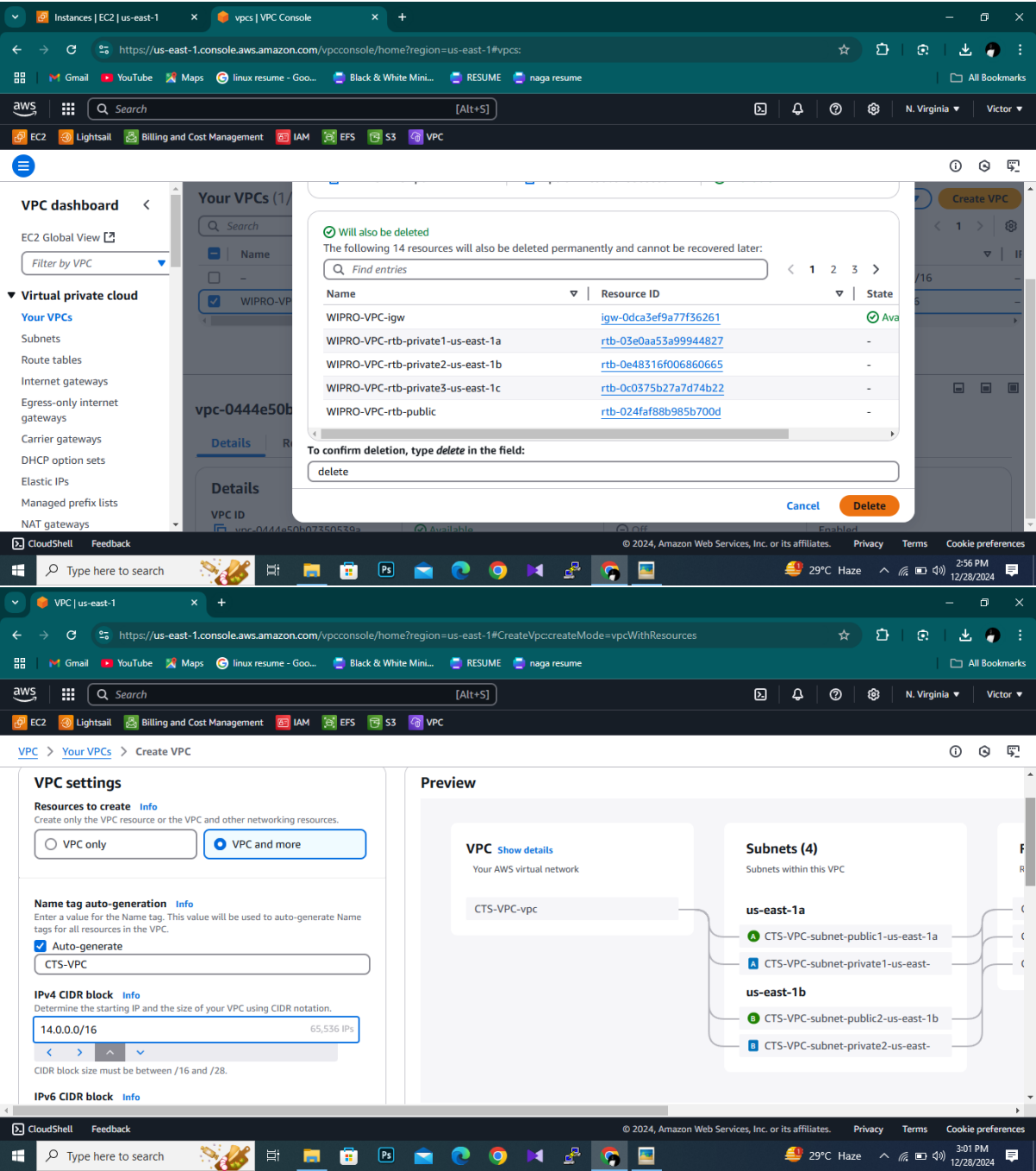
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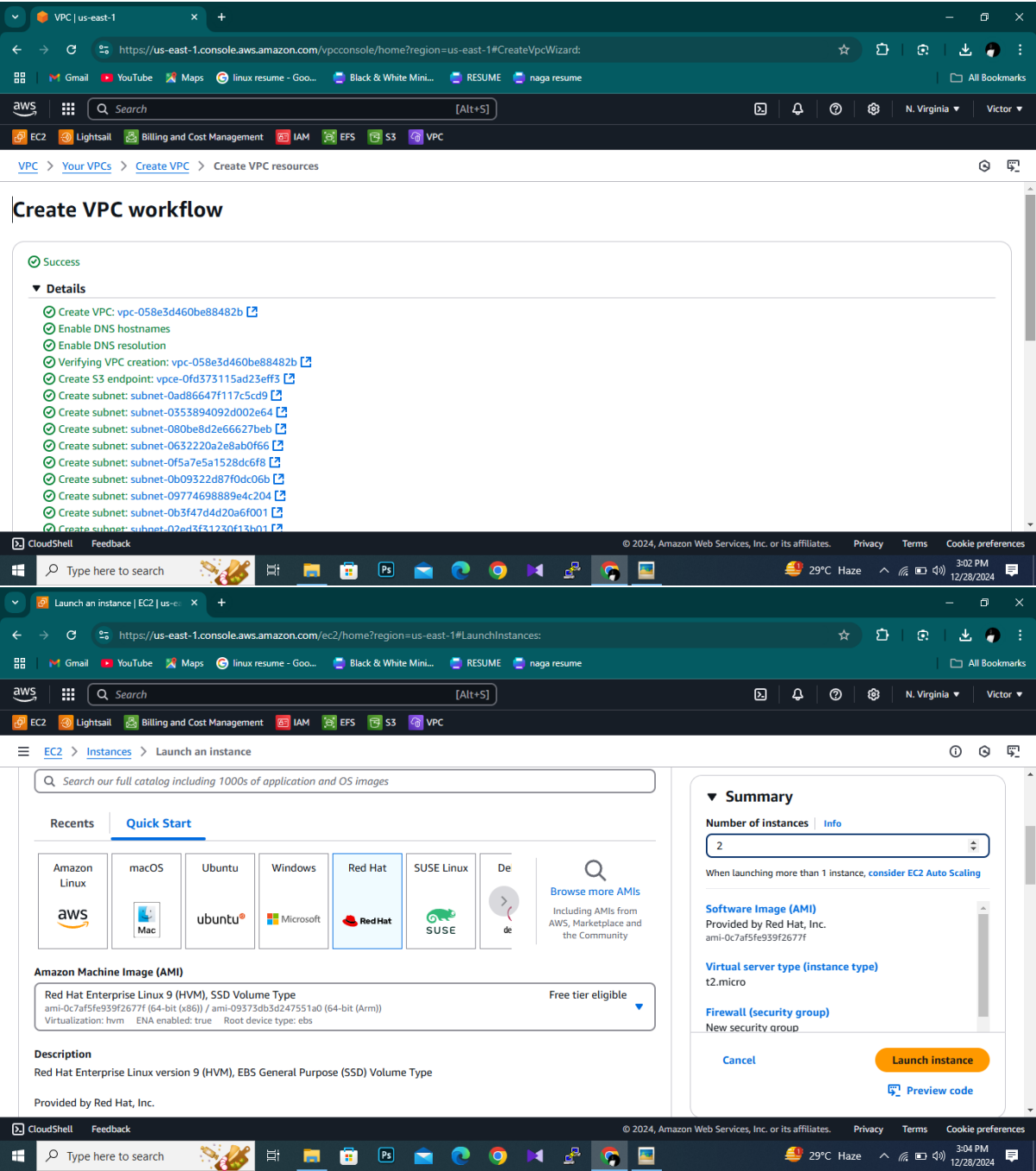
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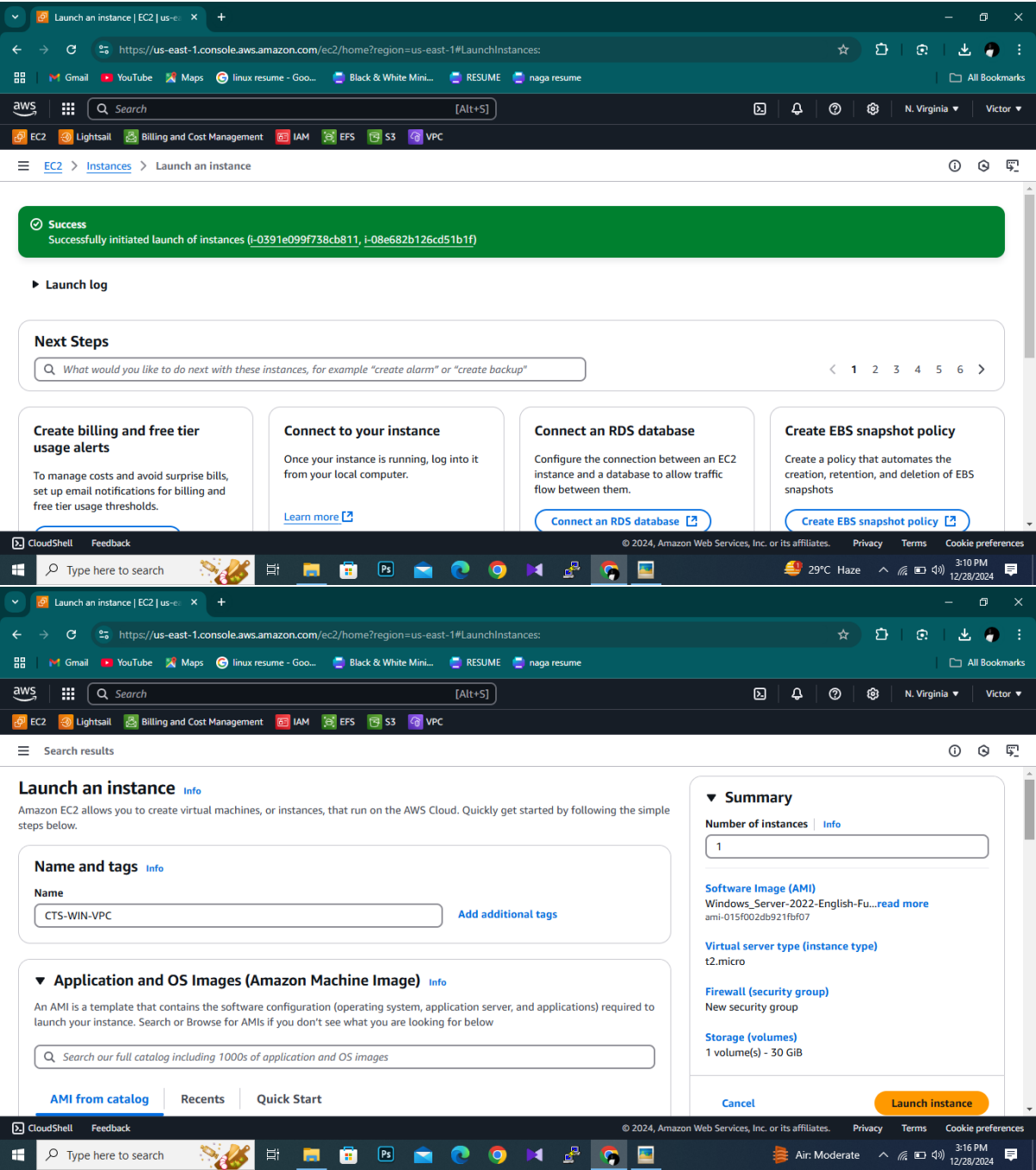
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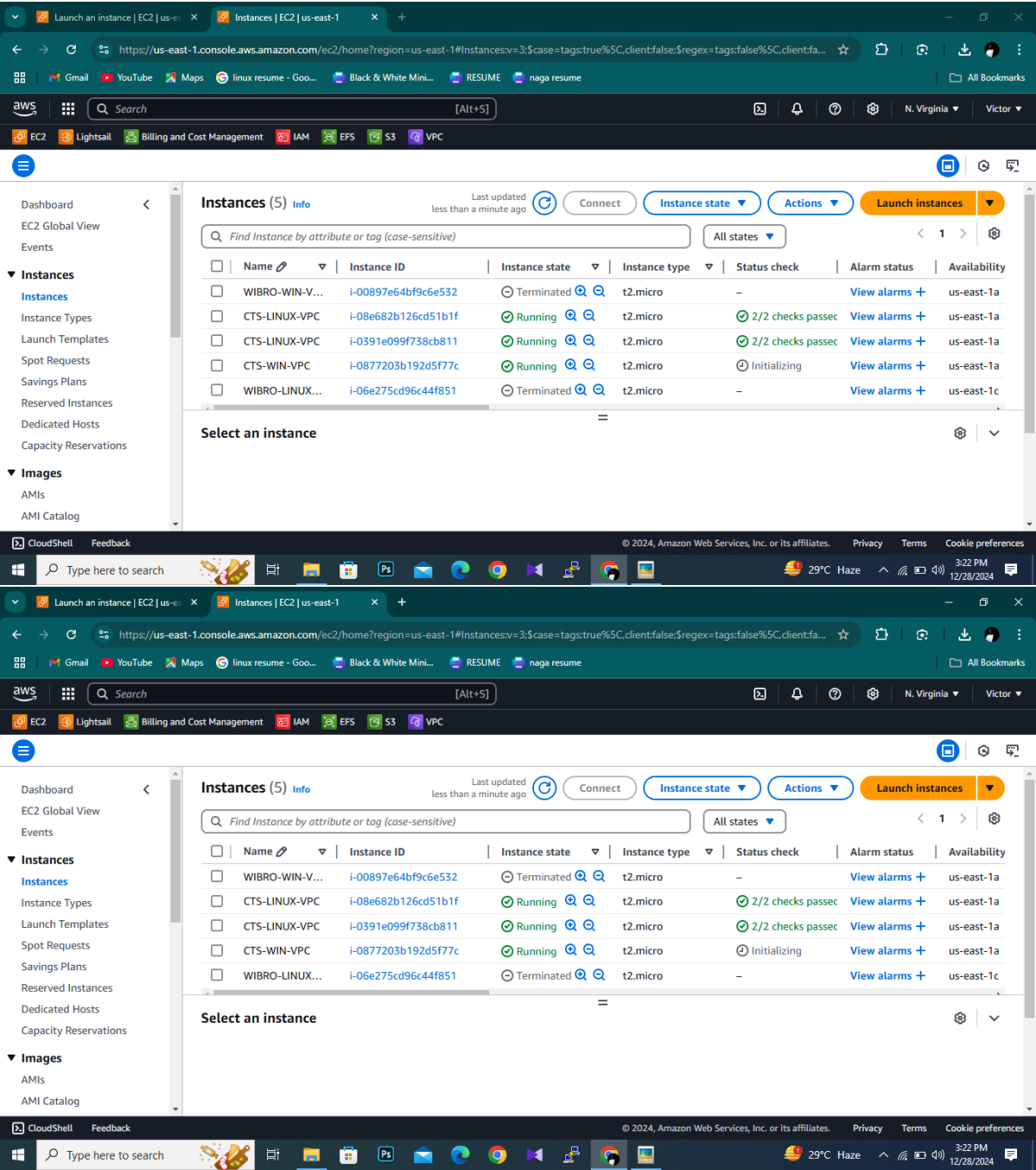
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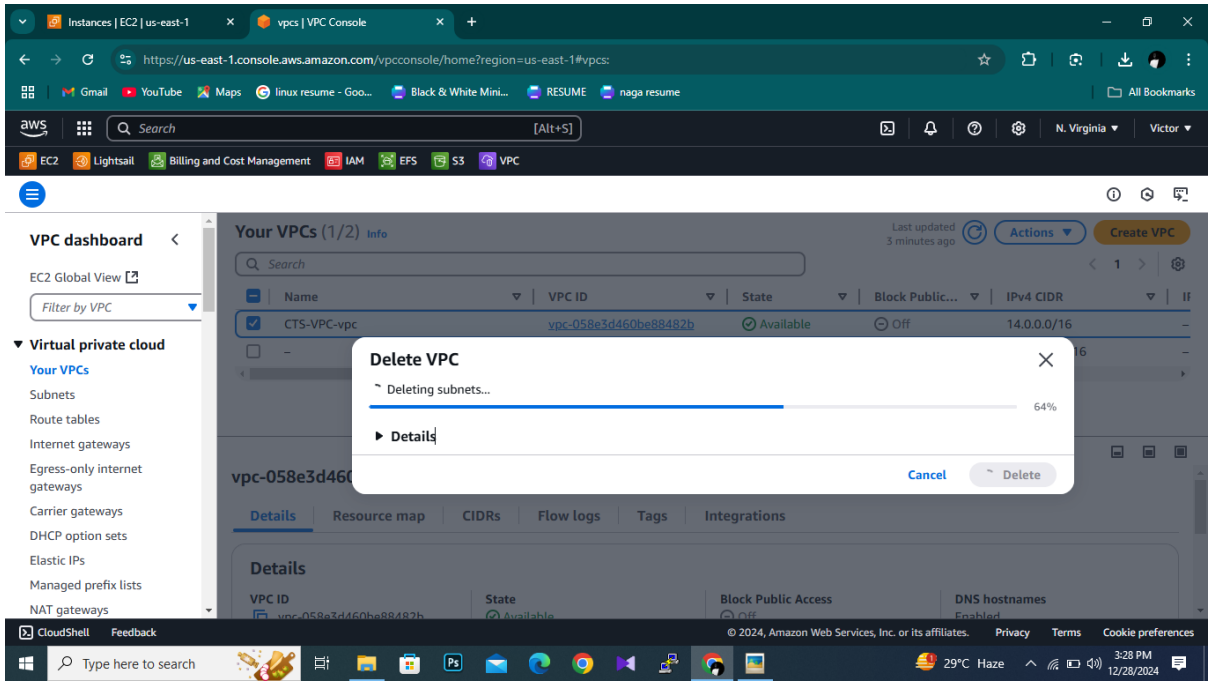
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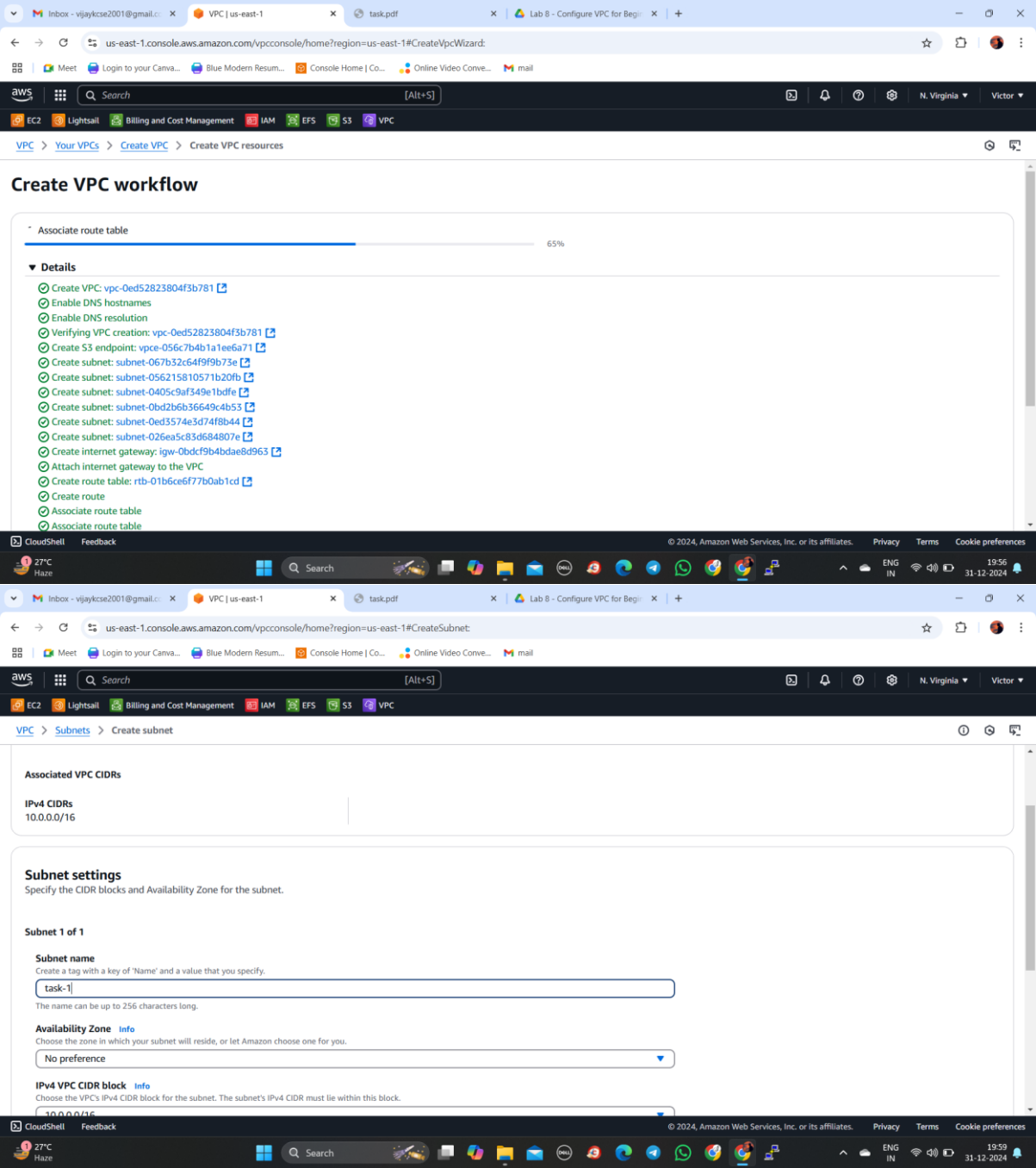
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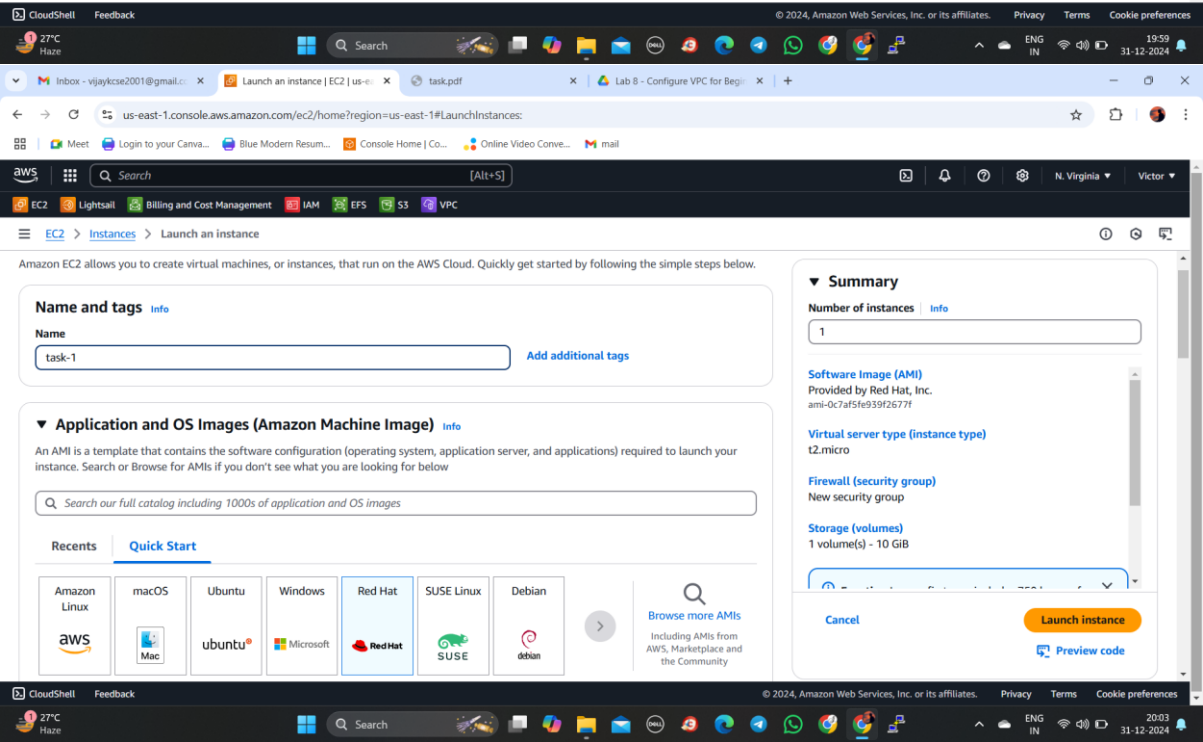
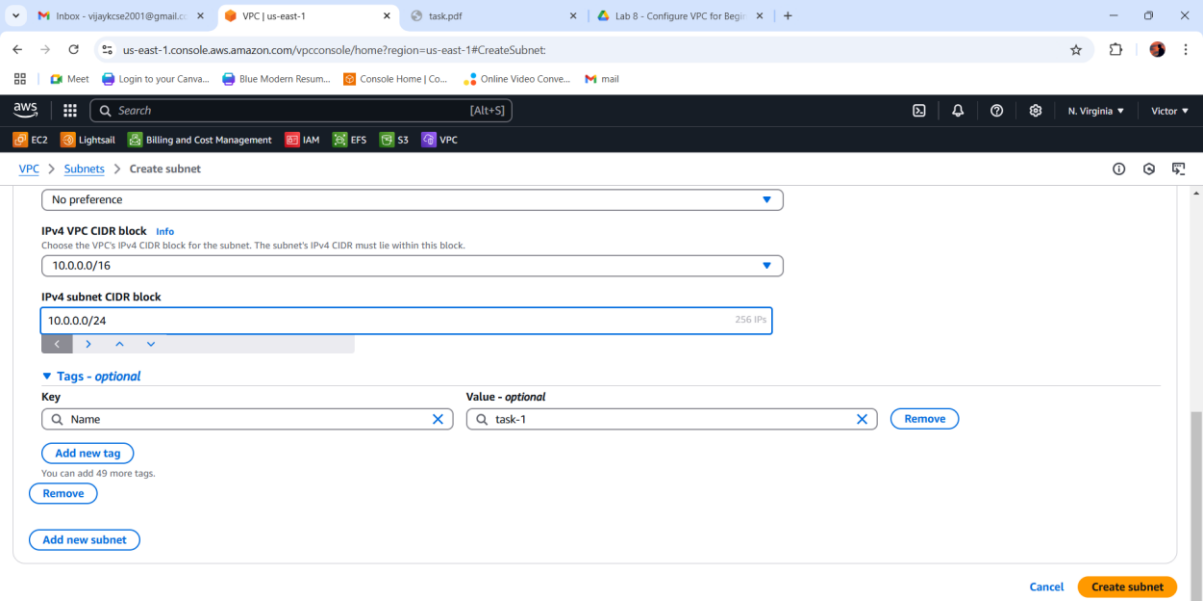
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The image displays a screenshot of the AWS Management Console, specifically the EC2 Instances page. The console shows a list of instances, with one instance named 'task-1' (ID: i-0f9563953b149975f) in a 'Running' state. Below the instance list, there is a section titled 'Connect to instance' which provides instructions on how to connect to the instance using the AWS CLI or the AWS Management Console. The instructions include a note about the default username 'ec2-user' and a link to the Red Hat registration page. A terminal window is overlaid on the console, showing the command 'rhc connect --activation-key <key> --organization <org>' and the output 'The rhc client and Red Hat Insights will enable analytics and additional management capabilities on your system. View your connected systems at https://console.redhat.com/insights'. The terminal also shows the command 'rhc at https://red.ht/registration (ec2-user@ip-10-0-8-177 ~) \$'.

Instances (1) Info

Find Instance by attribute or tag (case-sensitive)

Instance ID = i-0f9563953b149975f

Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
task-1	i-0f9563953b149975f	Running	t2.micro	Initializing	View alarms	us-east-1a	ec2-174-

Select an instance

Connect to instance

Example:

```
rhc connect --activation-key <key> --organization <org>
```

The rhc client and Red Hat Insights will enable analytics and additional management capabilities on your system. View your connected systems at https://console.redhat.com/insights

You can learn more about how to register your system using rhc at https://red.ht/registration (ec2-user@ip-10-0-8-177 ~) \$

Example:

```
ssh -i "task-1.pem" ec2-user@ec2-50-19-143-79.compute-1.amazonaws.com
```

Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.