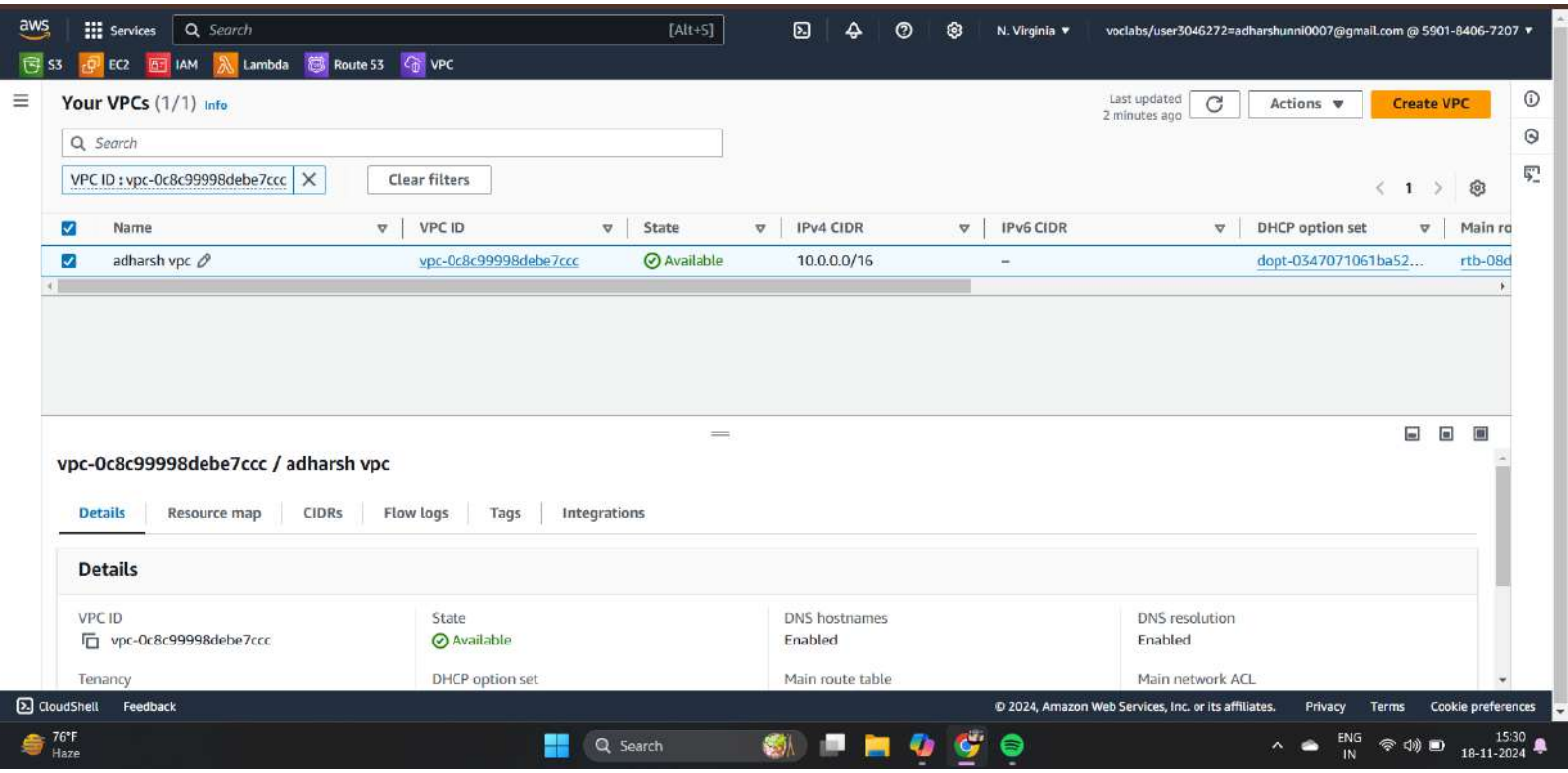
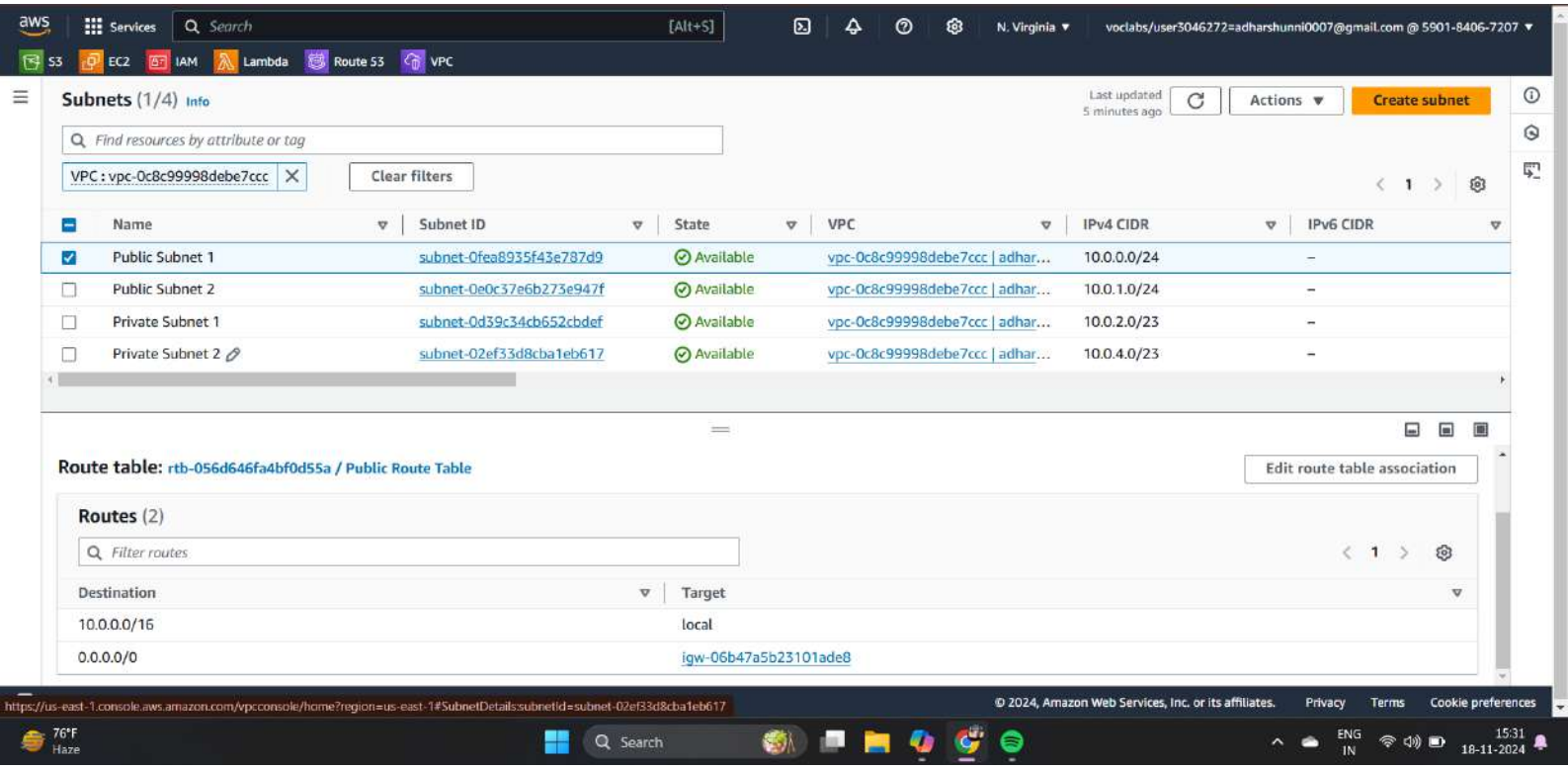
You are managing a web application hosted on AWS. The application experiences significant fluctuations in traffic throughout the day. During peak hours, there is a surge in users that requires additional compute resources, while during off-peak hours, the demand is much lower. Your task is to implement an Auto Scaling solution that adjusts the number of EC2 instances dynamically based on CPU utilization.




Services
Search
[Alt+S]
N. Virginia
voclabs/user3046272=adharshunni0007@gmail.com @ 5901-8406-7207
S3
EC2
IAM
Lambda
Route 53
VPC
Subnets (1/4) Info
Last updated 5 minutes ago
Actions
Create subnet
Find resources by attribute or tag
VPC : vpc-0c8c99998debe7ccc
Clear filters
Name
Subnet ID
State
VPC
IPv4 CIDR
IPv6 CIDR
Public Subnet 1 subnet-0fea8935f43e787d9 Available vpc-0c8c99998debe7ccc | adhar... 10.0.0.0/24 –
Public Subnet 2 subnet-0e0c37e6b273e947f Available vpc-0c8c99998debe7ccc | adhar... 10.0.1.0/24 –
Private Subnet 1 subnet-0d39c34cb652cbdef Available vpc-0c8c99998debe7ccc | adhar... 10.0.2.0/23 –
Private Subnet 2 subnet-02ef33d8cba1eb617 Available vpc-0c8c99998debe7ccc | adhar... 10.0.4.0/23 –
Route table: rtb-056d646fa4bf0d55a / Public Route Table
Edit route table association
Routes (2)
Filter routes
Destination
Target
10.0.0.0/16 local
0.0.0.0/0 igw-06b47a5b23101ade8
https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#SubnetDetails:subnetId=subnet-02ef33d8cba1eb617
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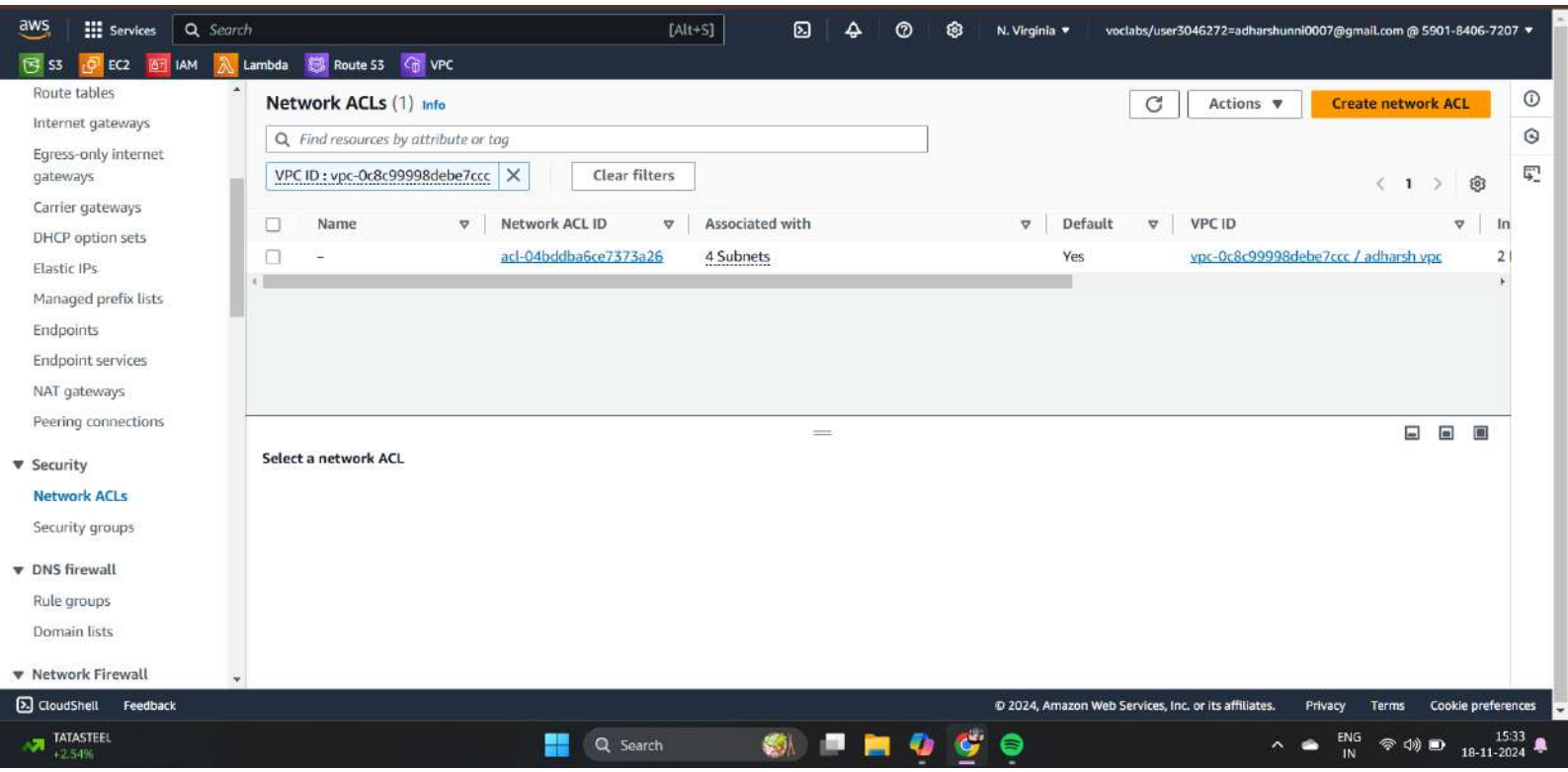
Services
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S3
EC2
IAM
Lambda
Route 53
VPC
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
DNS firewall
Rule groups
Domain lists
Network Firewall
Network ACLs (1) Info
Actions
Create network ACL
Find resources by attribute or tag
VPC ID : vpc-0c8c99998debe7ccc
Clear filters
Name
Network ACL ID
Associated with
Default
VPC ID
-
acl-04bddba6ce7373a26
4 Subnets
Yes
vpc-0c8c99998debe7ccc / adharsh vpc
Select a network ACL
CloudShell
Feedback
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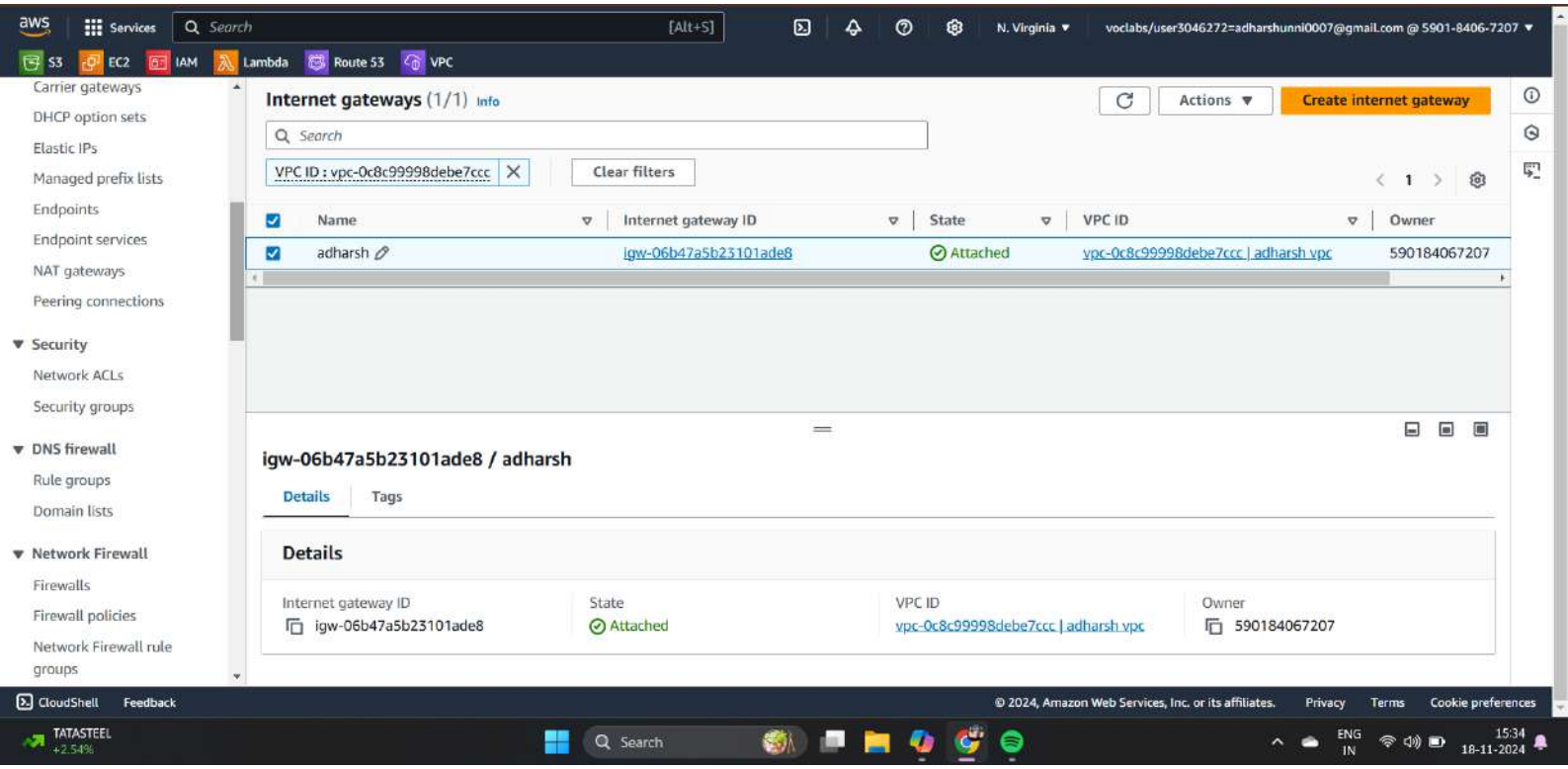
Services
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S3
EC2
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Route 53
VPC
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
DNS firewall
Rule groups
Domain lists
Network Firewall
Firewalls
Firewall policies
Network Firewall rule groups
Internet gateways (1/1) Info
Actions
Create internet gateway
Search
VPC ID : vpc-0c8c99998debe7ccc
Clear filters
Name
Internet gateway ID
State
VPC ID
Owner
adharsh
igw-06b47a5b23101ade8
Attached
vpc-0c8c99998debe7ccc | adharsh vpc
590184067207
igw-06b47a5b23101ade8 / adharsh
Details
Tags
Details
Internet gateway ID
igw-06b47a5b23101ade8
State
Attached
VPC ID
vpc-0c8c99998debe7ccc | adharsh vpc
Owner
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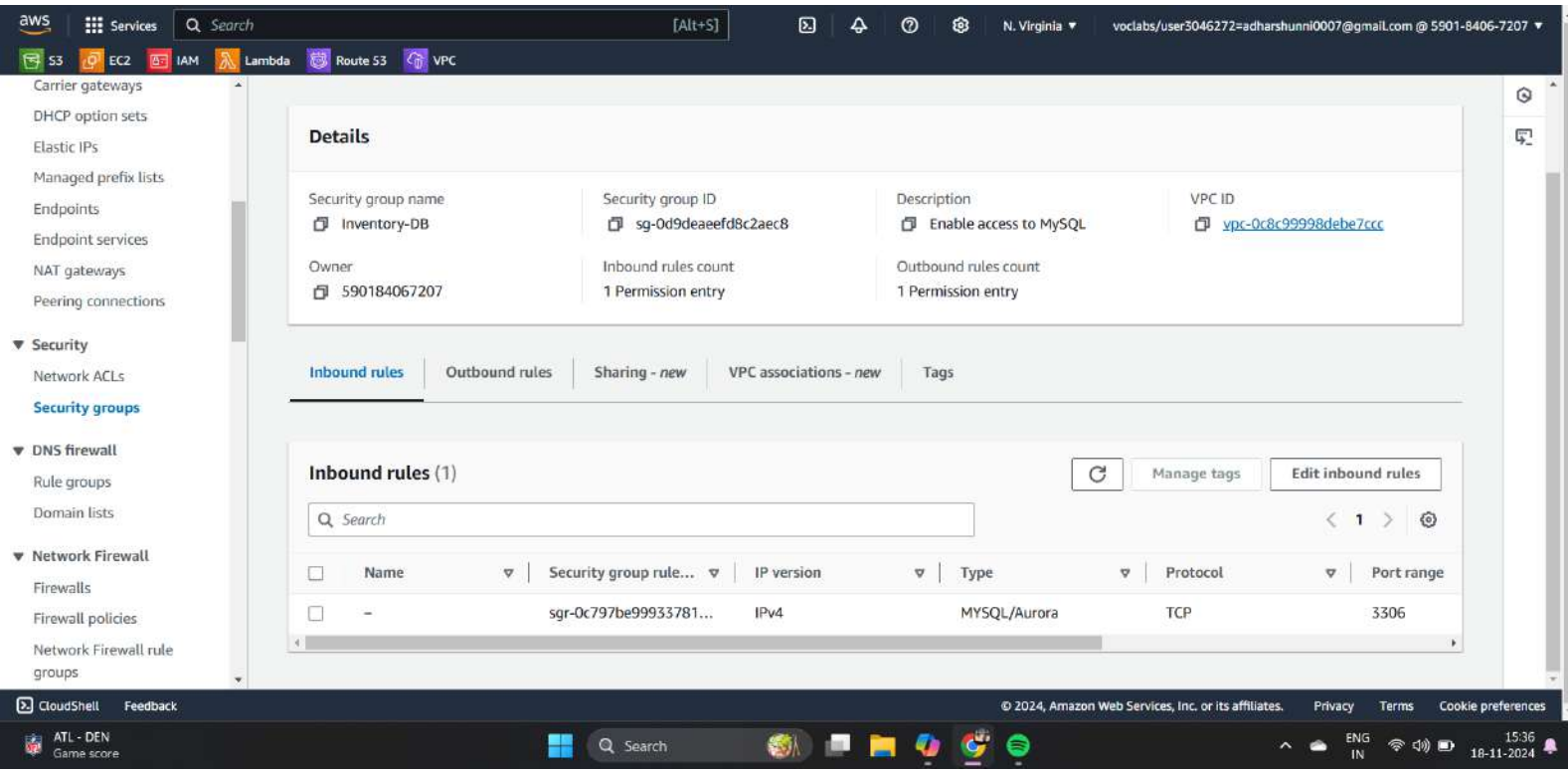
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S3
EC2
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Route 53
VPC
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
DNS firewall
Rule groups
Domain lists
Network Firewall
Firewalls
Firewall policies
Network Firewall rule groups
Details
Security group name
Inventory-DB
Security group ID
sg-0d9deaeefd8c2aec8
Description
Enable access to MySQL
VPC ID
vpc-0c8c99998debe7ccc
Owner
590184067207
Inbound rules count
1 Permission entry
Outbound rules count
1 Permission entry
Inbound rules
Outbound rules
Sharing - new
VPC associations - new
Tags
Inbound rules (1)
Manage tags
Edit inbound rules
Search
1
Name
Security group rule...
IP version
Type
Protocol
Port range
-
sgr-0c797be99933781...
IPv4
MYSQL/Aurora
TCP
3306
CloudShell
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Game score
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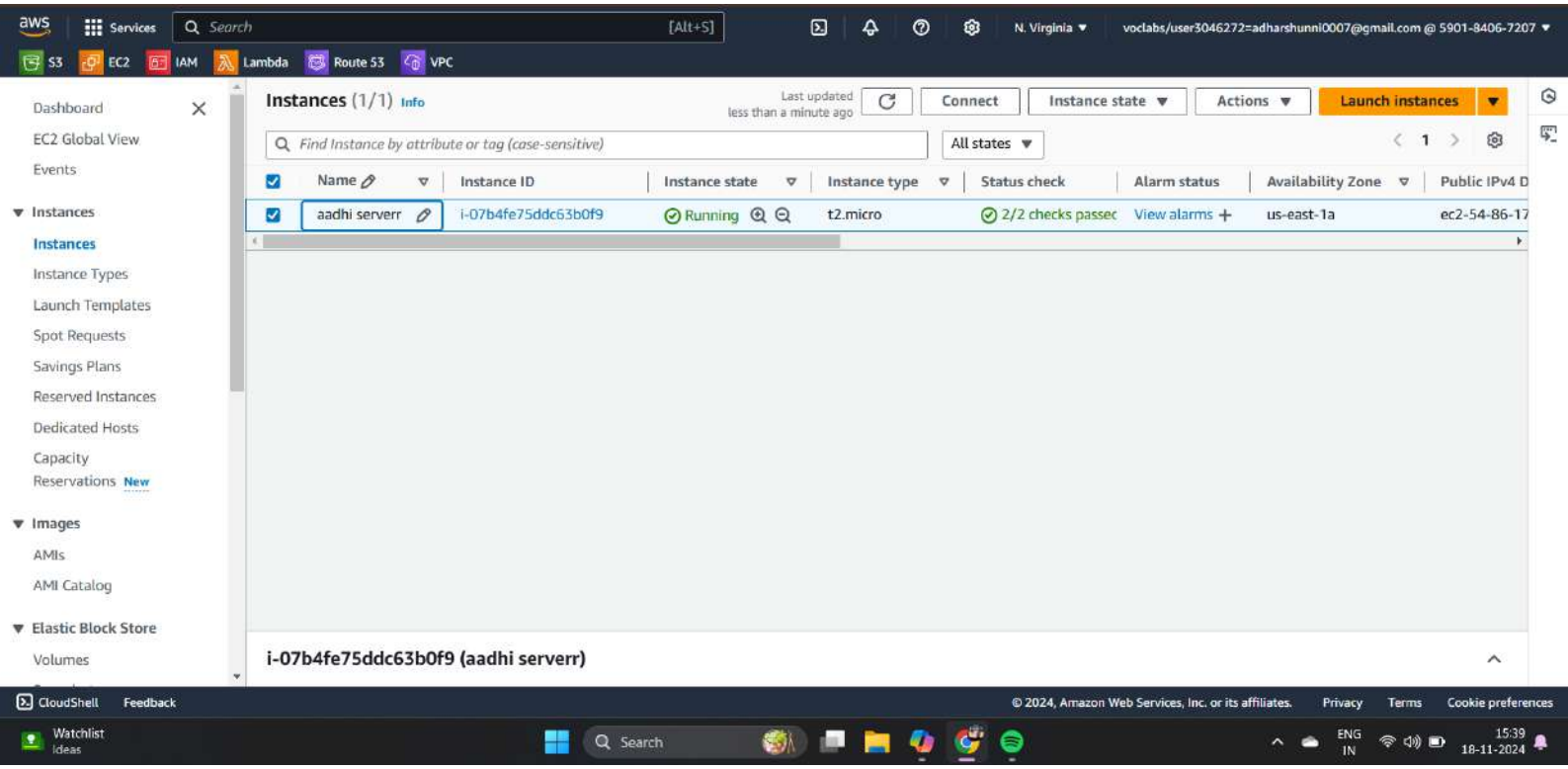
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Services
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S3
EC2
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Route 53
VPC
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Instances (1/1) Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 D
aadhi serverr
i-07b4fe75ddc63b0f9
Running
t2.micro
2/2 checks passed
View alarms
us-east-1a
ec2-54-86-17
i-07b4fe75ddc63b0f9 (aadhi serverr)
CloudShell
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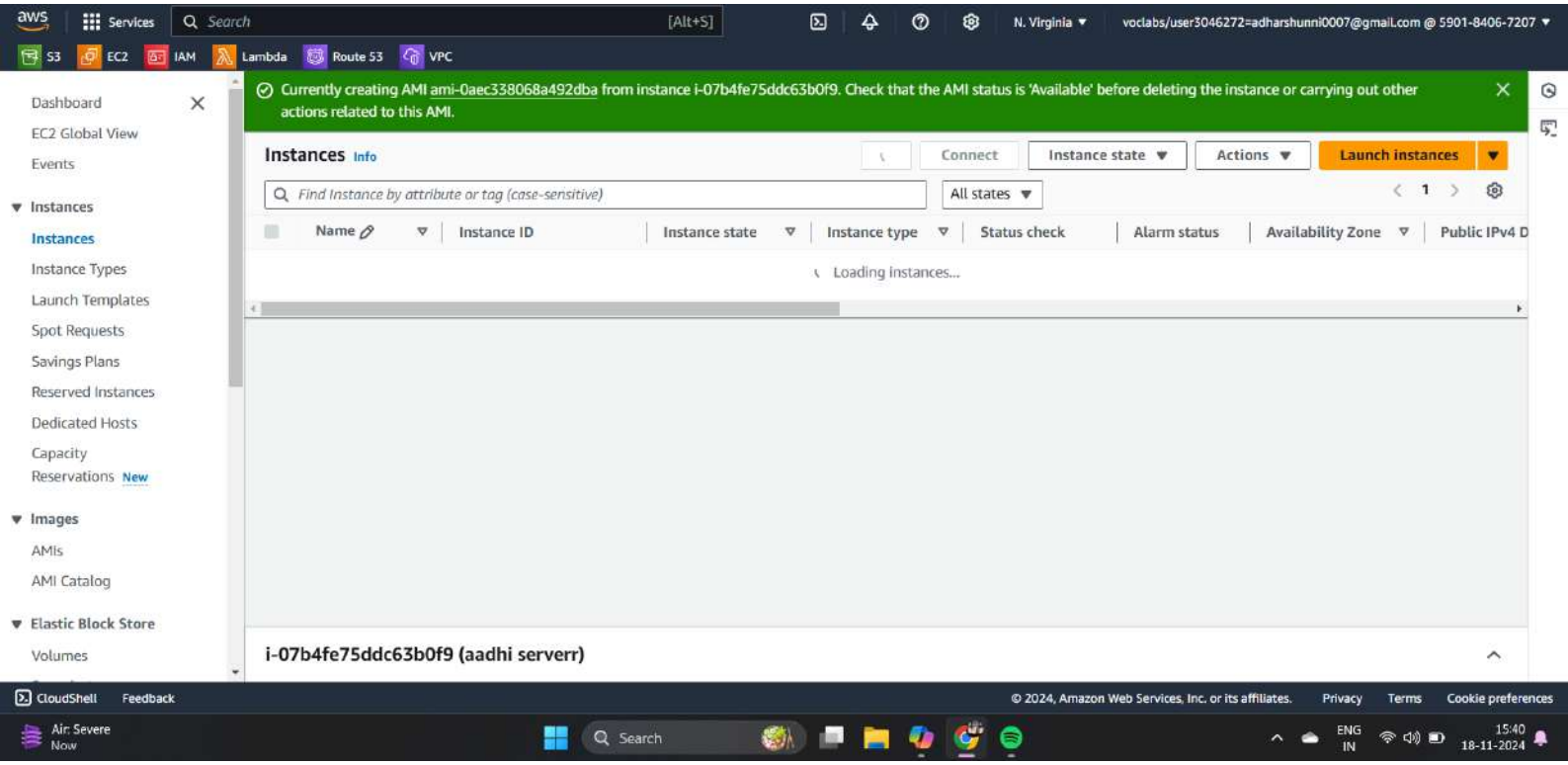
Services
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Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Currently creating AMI ami-0aec338068a492dba from instance i-07b4fe75ddc63b0f9. Check that the AMI status is 'Available' before deleting the instance or carrying out other actions related to this AMI.
Instances Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 D
Loading instances...
i-07b4fe75ddc63b0f9 (aadhi serverr)
CloudShell
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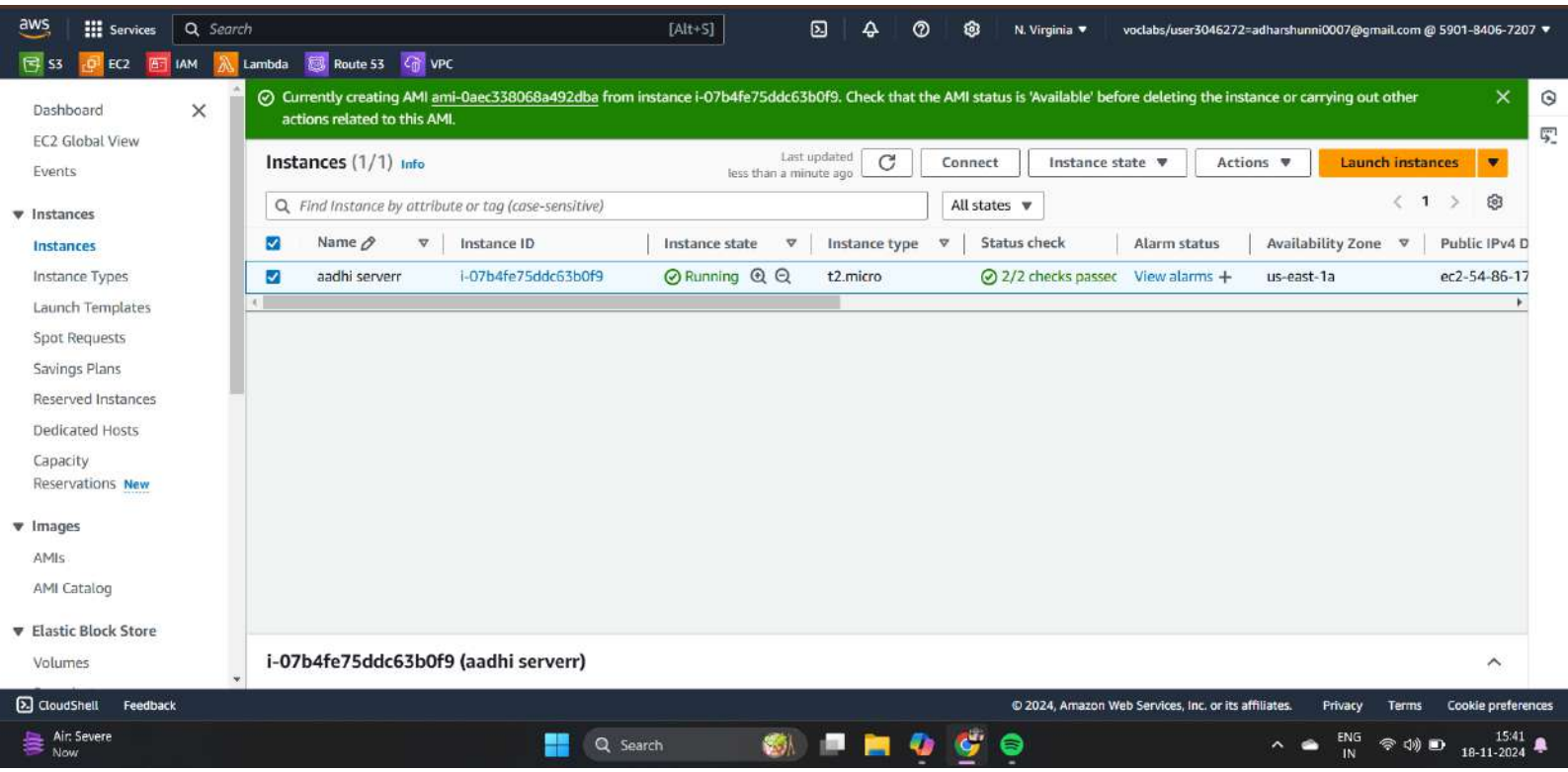
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Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Currently creating AMI ami-0aec338068a492dba from instance i-07b4fe75ddc63b0f9. Check that the AMI status is 'Available' before deleting the instance or carrying out other actions related to this AMI.
Instances (1/1) Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 D
aadhi serverr
i-07b4fe75ddc63b0f9
Running
t2.micro
2/2 checks passed
View alarms
us-east-1a
ec2-54-86-17
i-07b4fe75ddc63b0f9 (aadhi serverr)
CloudShell
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Create launch template

Creating a launch template allows you to create a saved instance configuration that can be reused, shared and launched at a later time. Templates can have multiple versions.

Launch template name and description

Launch template name - *required*

Inventory-LT

Must be unique to this account. Max 128 chars. No spaces or special characters like '&', '*', '@'.

Template version description

A prod webserver for MyApp

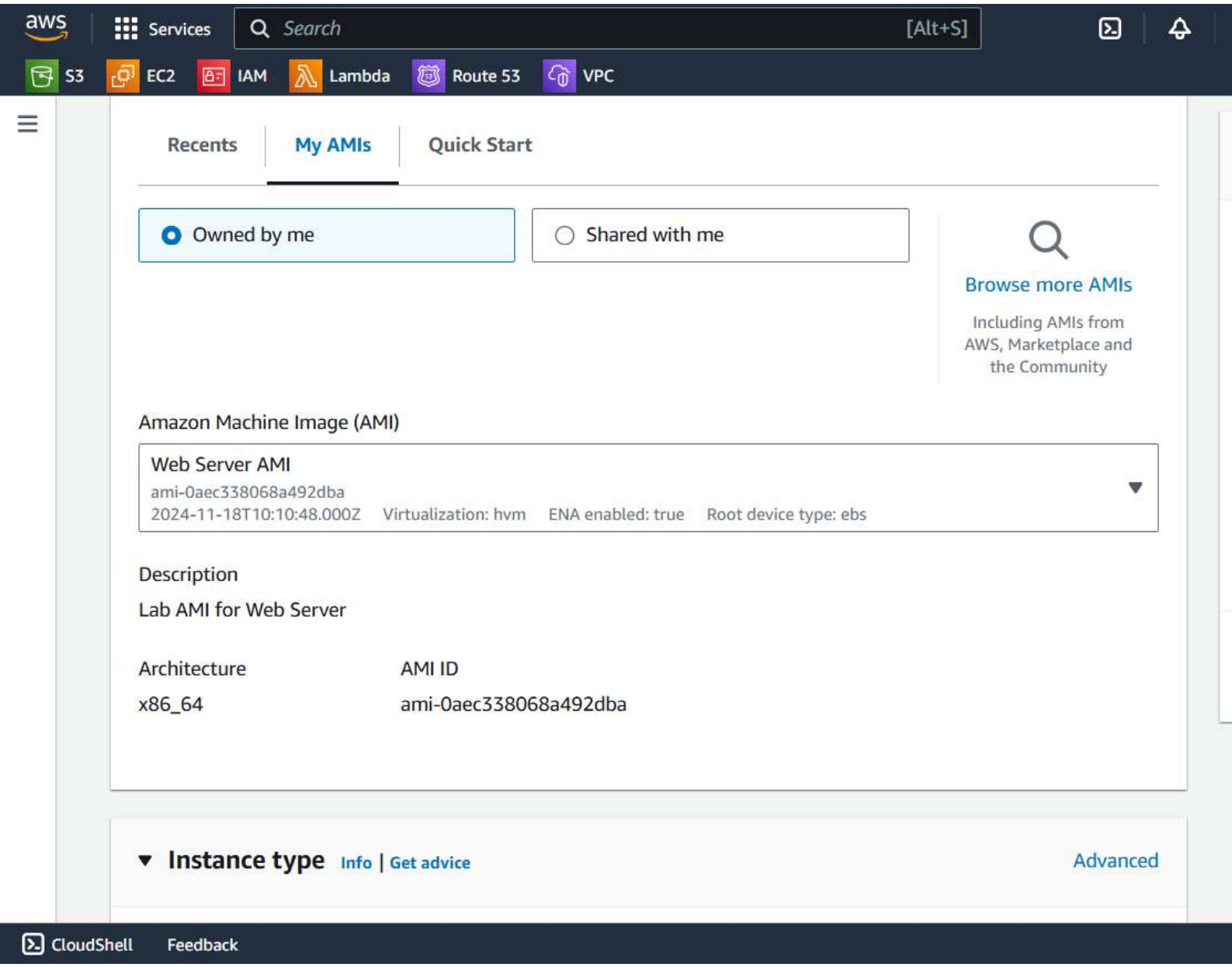
Max 255 chars

Auto Scaling guidance | Info

Select this if you intend to use this template with EC2 Auto Scaling

- [x] Provide guidance to help me set up a template that I can use with EC2 Auto Scaling

▶ Template tags


aws
Services
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S3
EC2
IAM
Lambda
Route 53
VPC
Recents
My AMIs
Quick Start
Owned by me
Shared with me
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Web Server AMI
ami-0aec338068a492dba
2024-11-18T10:10:48.000Z Virtualization: hvm ENA enabled: true Root device type: ebs
Description
Lab AMI for Web Server
Architecture
x86_64
AMI ID
ami-0aec338068a492dba
Instance type
Info | Get advice
Advanced
CloudShell
Feedback

Network settings Info

Subnet Info

Don't include in launch template

Create new subnet

When you specify a subnet, a network interface is automatically added to your template.

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

- (•) Select existing security group
- ( ) Create security group

Security groups Info

Select security groups

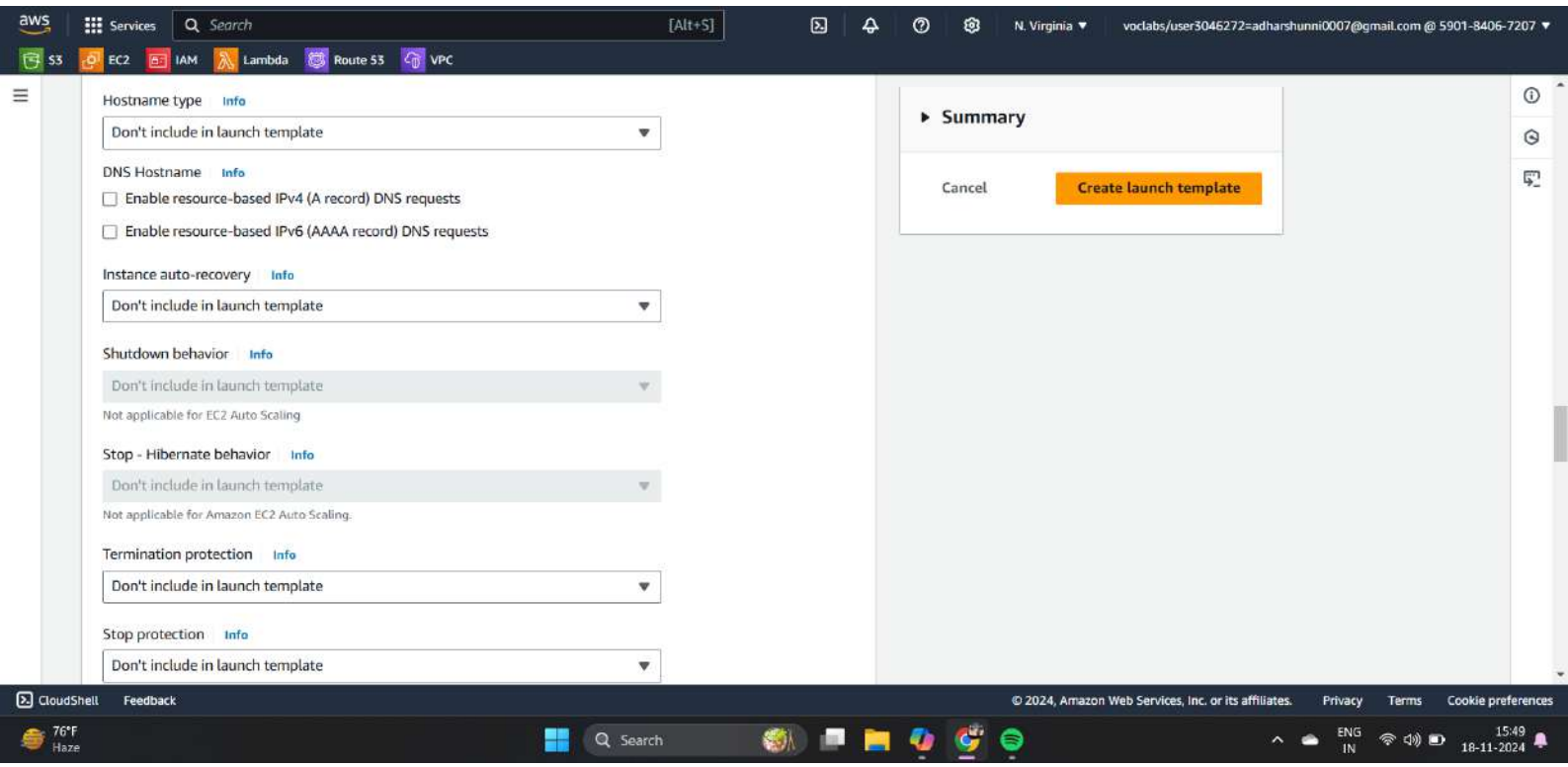
Inventory-App sg-0650d462a42951fdc
VPC: vpc-0c8c99998debe7ccc

Compare security group rules

Advanced network configuration

No network interfaces are currently included in this template. Add a network interface to include it in the launch template.

Add network interface


Services
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S3
EC2
IAM
Lambda
Route 53
VPC
Hostname type Info
Don't include in launch template
DNS Hostname Info
Enable resource-based IPv4 (A record) DNS requests
Enable resource-based IPv6 (AAAA record) DNS requests
Instance auto-recovery Info
Don't include in launch template
Shutdown behavior Info
Don't include in launch template
Not applicable for EC2 Auto Scaling
Stop - Hibernate behavior Info
Don't include in launch template
Not applicable for Amazon EC2 Auto Scaling.
Termination protection Info
Don't include in launch template
Stop protection Info
Don't include in launch template
Summary
Cancel
Create launch template
CloudShell
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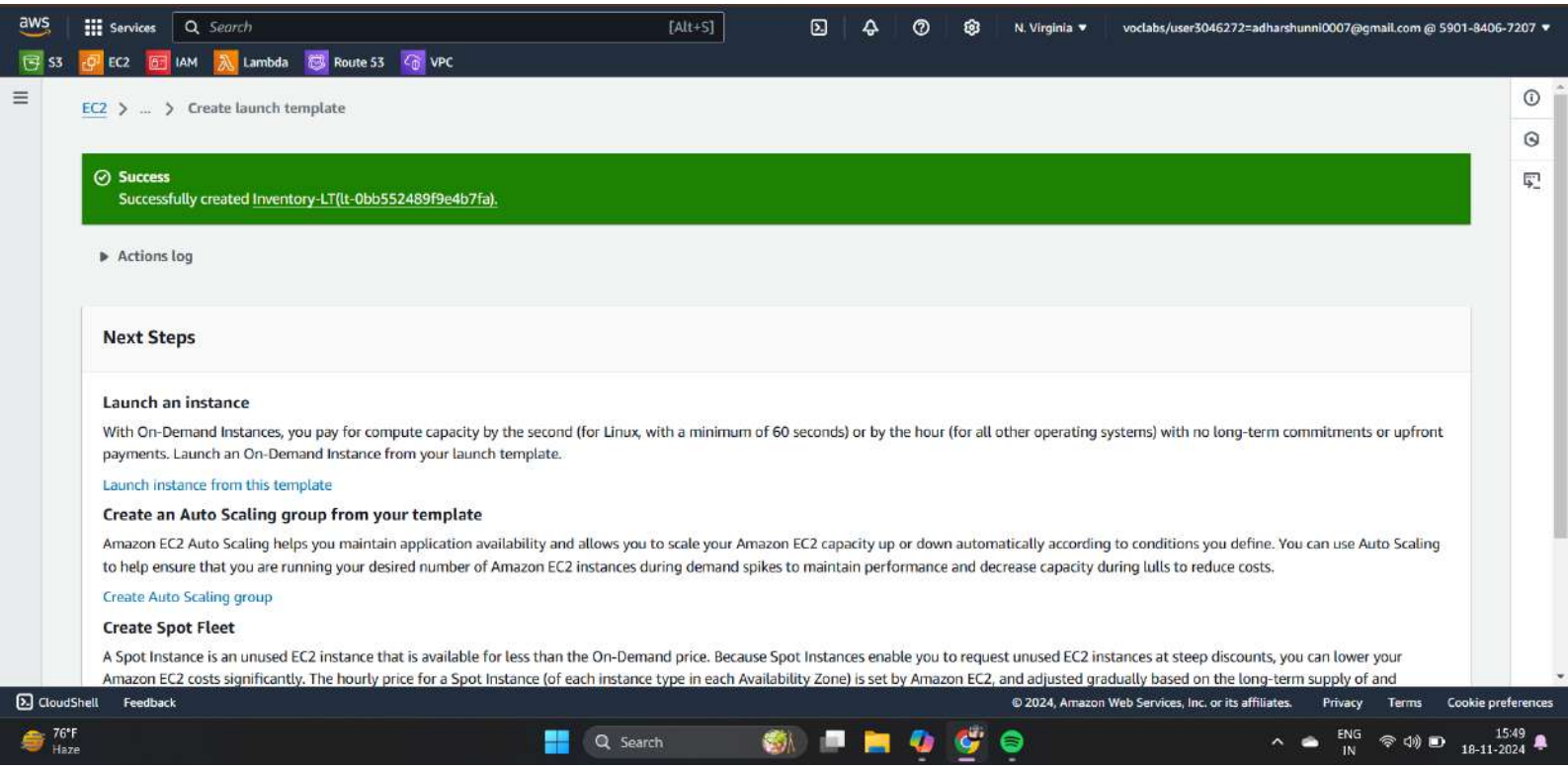
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voclabs/user3046272=adharshunni0007@gmail.com @ 5901-8406-7207
S3
EC2
IAM
Lambda
Route 53
VPC
EC2 > ... > Create launch template
Success
Successfully created Inventory-LT(lt-0bb552489f9e4b7fa).
Actions log
Next Steps
Launch an instance
With On-Demand Instances, you pay for compute capacity by the second (for Linux, with a minimum of 60 seconds) or by the hour (for all other operating systems) with no long-term commitments or upfront payments. Launch an On-Demand Instance from your launch template.
Launch instance from this template
Create an Auto Scaling group from your template
Amazon EC2 Auto Scaling helps you maintain application availability and allows you to scale your Amazon EC2 capacity up or down automatically according to conditions you define. You can use Auto Scaling to help ensure that you are running your desired number of Amazon EC2 instances during demand spikes to maintain performance and decrease capacity during lulls to reduce costs.
Create Auto Scaling group
Create Spot Fleet
A Spot Instance is an unused EC2 instance that is available for less than the On-Demand price. Because Spot Instances enable you to request unused EC2 instances at steep discounts, you can lower your Amazon EC2 costs significantly. The hourly price for a Spot Instance (of each instance type in each Availability Zone) is set by Amazon EC2, and adjusted gradually based on the long-term supply of and
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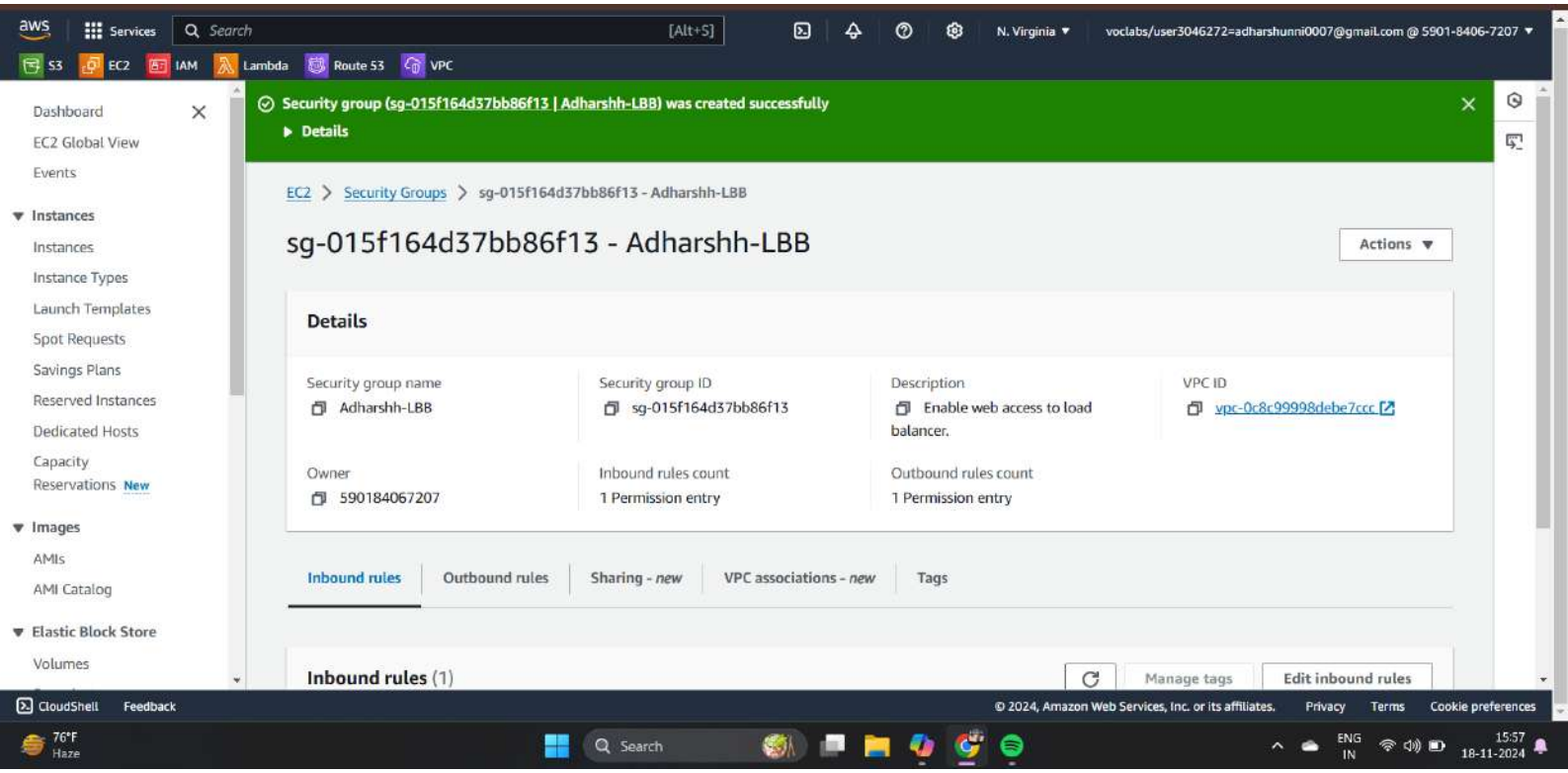
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Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Security group (sg-015f164d37bb86f13 | Adharshh-LBB) was created successfully
Details
EC2 > Security Groups > sg-015f164d37bb86f13 - Adharshh-LBB
sg-015f164d37bb86f13 - Adharshh-LBB
Actions
Details
Security group name
Adharshh-LBB
Security group ID
sg-015f164d37bb86f13
Description
Enable web access to load balancer.
VPC ID
vpc-0c8c99998debe7ccc
Owner
590184067207
Inbound rules count
1 Permission entry
Outbound rules count
1 Permission entry
Inbound rules
Outbound rules
Sharing - new
VPC associations - new
Tags
Inbound rules (1)
Manage tags
Edit inbound rules
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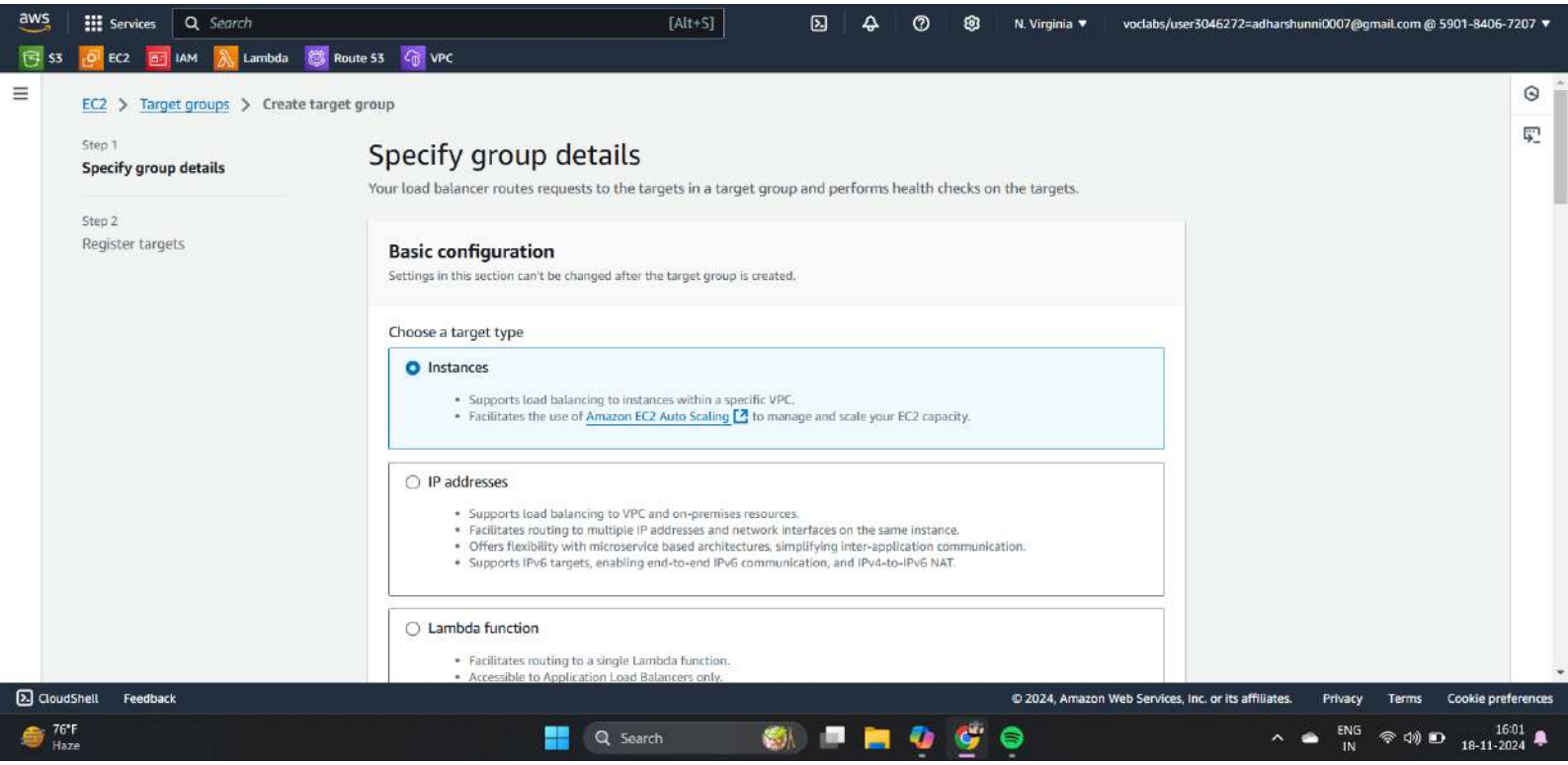
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S3
EC2
IAM
Lambda
Route 53
VPC
EC2 > Target groups > Create target group
Step 1
Specify group details
Step 2
Register targets
Specify group details
Your load balancer routes requests to the targets in a target group and performs health checks on the targets.
Basic configuration
Settings in this section can't be changed after the target group is created.
Choose a target type
Instances
Supports load balancing to instances within a specific VPC.
Facilitates the use of Amazon EC2 Auto Scaling to manage and scale your EC2 capacity.
IP addresses
Supports load balancing to VPC and on-premises resources.
Facilitates routing to multiple IP addresses and network interfaces on the same instance.
Offers flexibility with microservice based architectures, simplifying inter-application communication.
Supports IPv6 targets, enabling end-to-end IPv6 communication, and IPv4-to-IPv6 NAT.
Lambda function
Facilitates routing to a single Lambda function.
Accessible to Application Load Balancers only.
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Application Load Balancer

- Offers the flexibility for a Network Load Balancer to accept and route TCP requests within a specific VPC.
- Facilitates using static IP addresses and PrivateLink with an Application Load Balancer.

Target group name

adharshhu APP

A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

Protocol : Port

Choose a protocol for your target group that corresponds to the Load Balancer type that will route traffic to it. Some protocols now include anomaly detection for the targets and you can set mitigation options once your target group is created. This choice cannot be changed after creation

HTTP | 80

1-65535

IP address type

Only targets with the indicated IP address type can be registered to this target group.

- (•) IPv4
  Each instance has a default network interface (eth0) that is assigned the primary private IPv4 address. The instance's primary private IPv4 address is the one that will be applied to the target.
- ( ) IPv6
  Each instance you register must have an assigned primary IPv6 address. This is configured on the instance's default network interface (eth0). Learn more

VPC

Select the VPC with the instances that you want to include in the target group. Only VPCs that support the IP address type selected above are available in this list.

The associated load balancer periodically sends requests, per the settings below, to the registered targets to test their status.

Health check protocol

HTTP

Health check path

Use the default path of "/" to perform health checks on the root, or specify a custom path if preferred.

/

Up to 1024 characters allowed.

▼ Advanced health check settings

Restore defaults

Health check port

The port the load balancer uses when performing health checks on targets. By default, the health check port is the same as the target group's traffic port. However, you can specify a different port as an override.

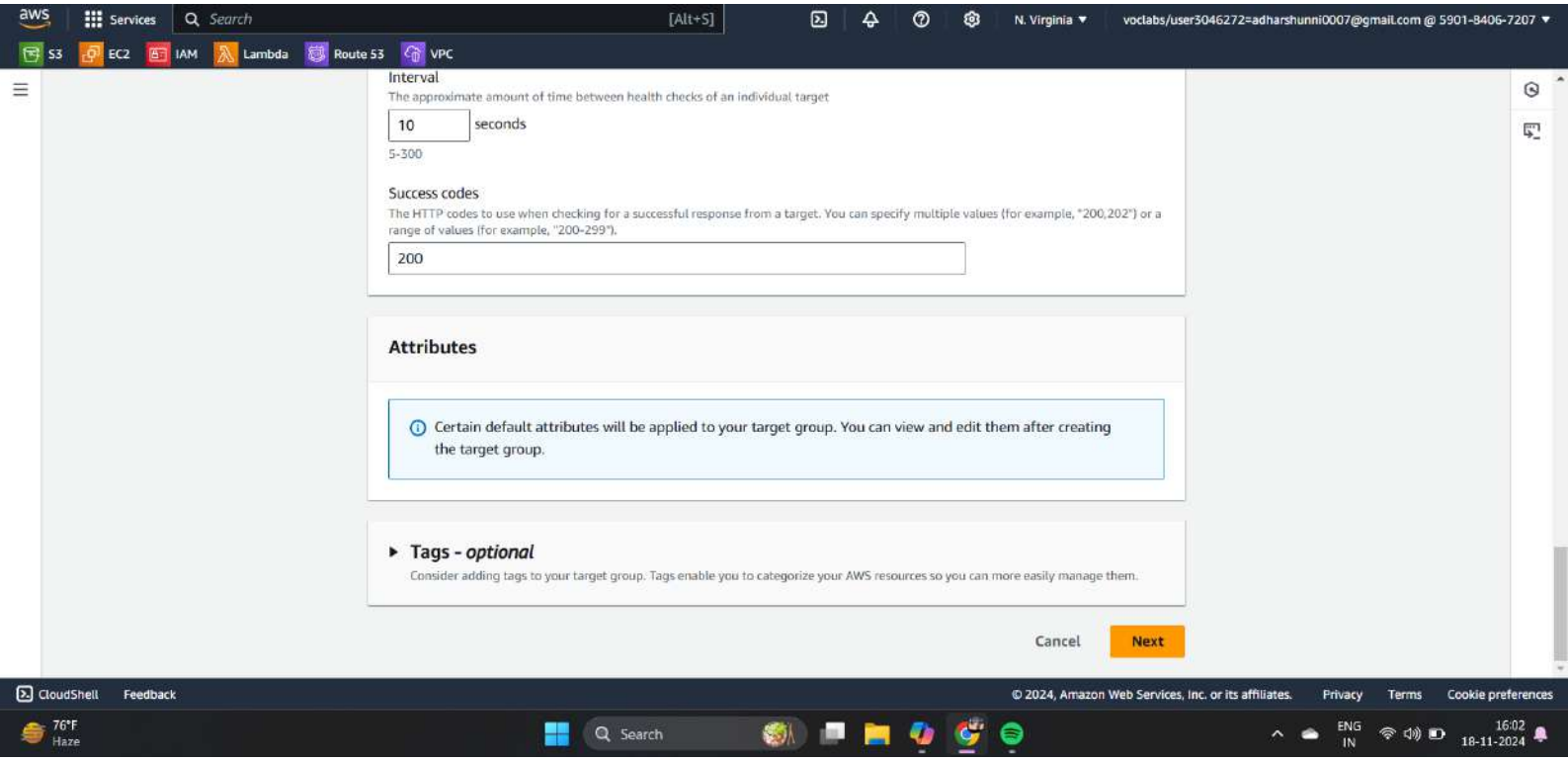
- (•) Traffic port
- ( ) Override

Healthy threshold

The number of consecutive health checks successes required before considering an unhealthy target healthy.

2

2-10


Services
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voclabs/user3046272=adharshunni0007@gmail.com @ 5901-8406-7207
S3
EC2
IAM
Lambda
Route 53
VPC
Interval
The approximate amount of time between health checks of an individual target
10
seconds
5-300
Success codes
The HTTP codes to use when checking for a successful response from a target. You can specify multiple values (for example, "200,202") or a range of values (for example, "200-299").
200
Attributes
Certain default attributes will be applied to your target group. You can view and edit them after creating the target group.
Tags - optional
Consider adding tags to your target group. Tags enable you to categorize your AWS resources so you can more easily manage them.
Cancel
Next
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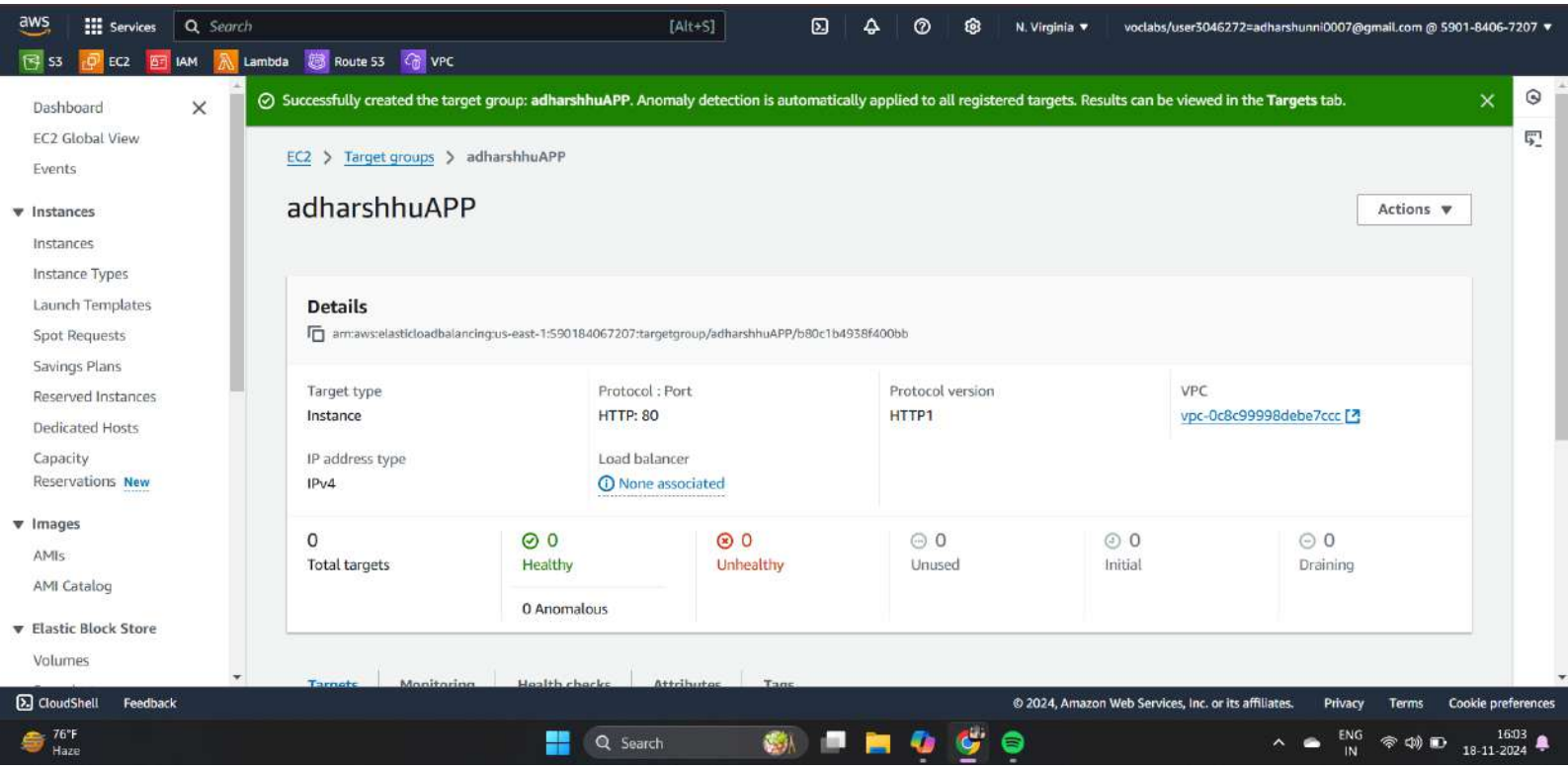
16:02
18-11-2024


Services
Search
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N. Virginia
voclabs/user3046272=adharshunni0007@gmail.com @ 5901-8406-7207
S3
EC2
IAM
Lambda
Route 53
VPC
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Successfully created the target group: adharshhuAPP. Anomaly detection is automatically applied to all registered targets. Results can be viewed in the Targets tab.
EC2 > Target groups > adharshhuAPP
adharshhuAPP
Actions
Details
arn:aws:elasticloadbalancing:us-east-1:590184067207:targetgroup/adharshhuAPP/b80c1b4938f400bb
Target type
Instance
Protocol : Port
HTTP: 80
Protocol version
HTTP1
VPC
vpc-0c8c99998debe7ccc
IP address type
IPv4
Load balancer
None associated
0
Total targets
0
Healthy
0 Anomalous
0
Unhealthy
0
Unused
0
Initial
0
Draining
Targets
Monitoring
Health checks
Attributes
Tags
CloudShell
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Search
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IN
16:03
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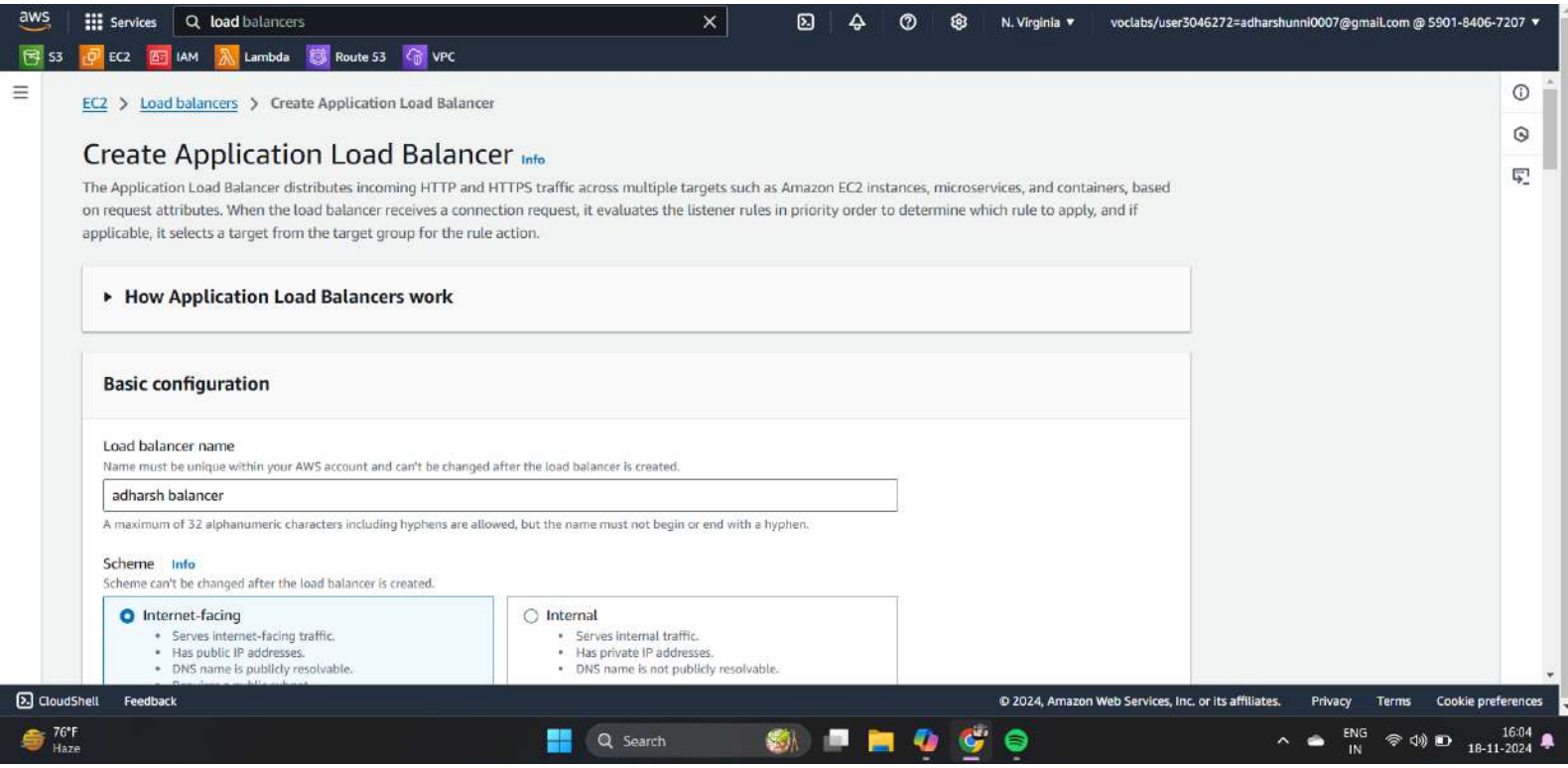
aws
Services
load balancers
N. Virginia
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S3
EC2
IAM
Lambda
Route 53
VPC
EC2 > Load balancers > Create Application Load Balancer
Create Application Load Balancer Info
The Application Load Balancer distributes incoming HTTP and HTTPS traffic across multiple targets such as Amazon EC2 instances, microservices, and containers, based on request attributes. When the load balancer receives a connection request, it evaluates the listener rules in priority order to determine which rule to apply, and if applicable, it selects a target from the target group for the rule action.
How Application Load Balancers work
Basic configuration
Load balancer name
Name must be unique within your AWS account and can't be changed after the load balancer is created.
adharsh balancer
A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.
Scheme Info
Scheme can't be changed after the load balancer is created.
Internet-facing
Serves internet-facing traffic.
Has public IP addresses.
DNS name is publicly resolvable.
Internal
Serves internal traffic.
Has private IP addresses.
DNS name is not publicly resolvable.
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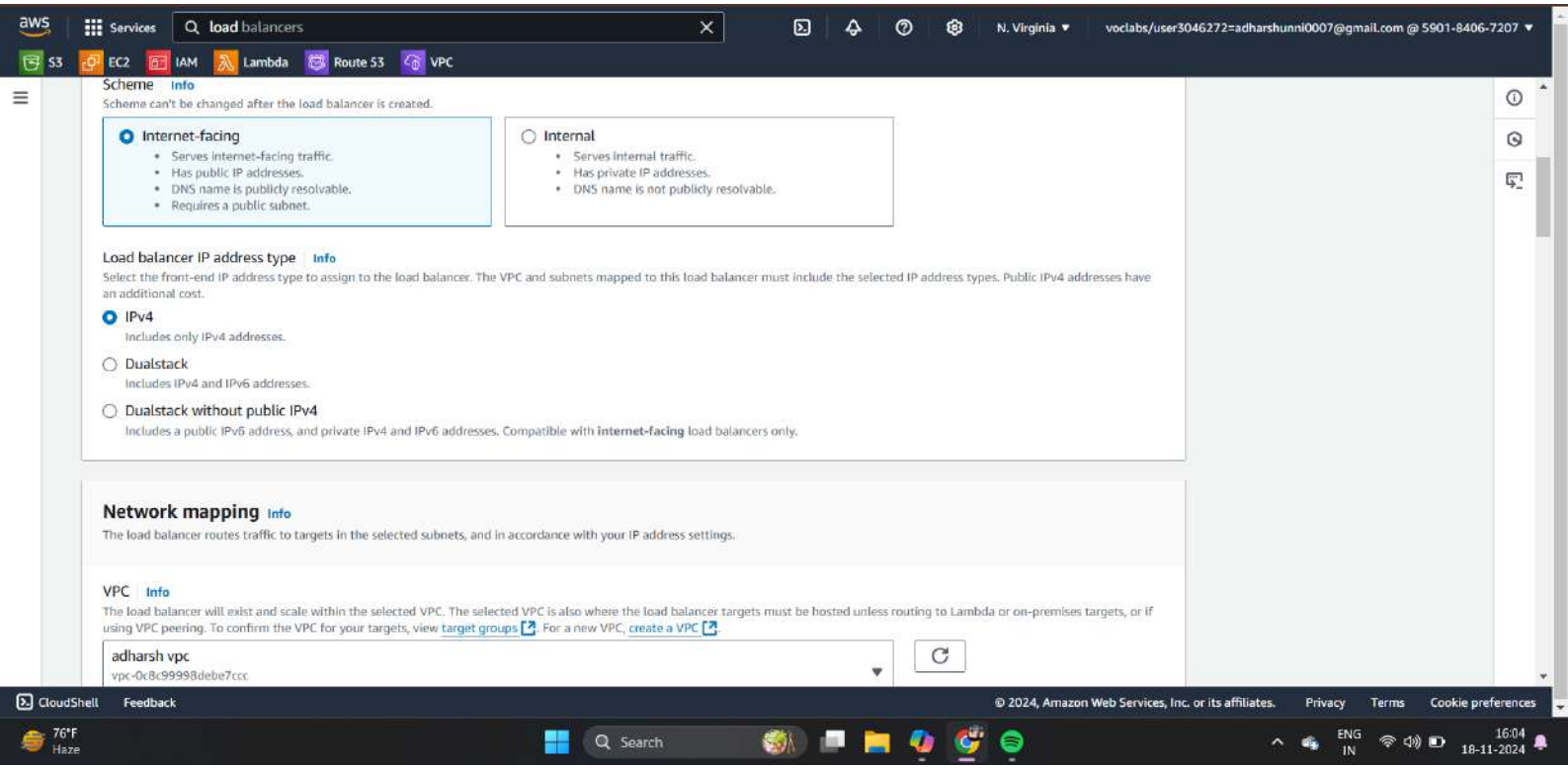
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load balancers
N. Virginia
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S3
EC2
IAM
Lambda
Route 53
VPC
Scheme Info
Scheme can't be changed after the load balancer is created.
Internet-facing
Serves internet-facing traffic.
Has public IP addresses.
DNS name is publicly resolvable.
Requires a public subnet.
Internal
Serves internal traffic.
Has private IP addresses.
DNS name is not publicly resolvable.
Load balancer IP address type Info
Select the front-end IP address type to assign to the load balancer. The VPC and subnets mapped to this load balancer must include the selected IP address types. Public IPv4 addresses have an additional cost.
IPv4
Includes only IPv4 addresses.
Dualstack
Includes IPv4 and IPv6 addresses.
Dualstack without public IPv4
Includes a public IPv6 address, and private IPv4 and IPv6 addresses. Compatible with internet-facing load balancers only.
Network mapping Info
The load balancer routes traffic to targets in the selected subnets, and in accordance with your IP address settings.
VPC Info
The load balancer will exist and scale within the selected VPC. The selected VPC is also where the load balancer targets must be hosted unless routing to Lambda or on-premises targets, or if using VPC peering. To confirm the VPC for your targets, view target groups. For a new VPC, create a VPC.
adharsh vpc
vpc-0c8c99998debe7ccc
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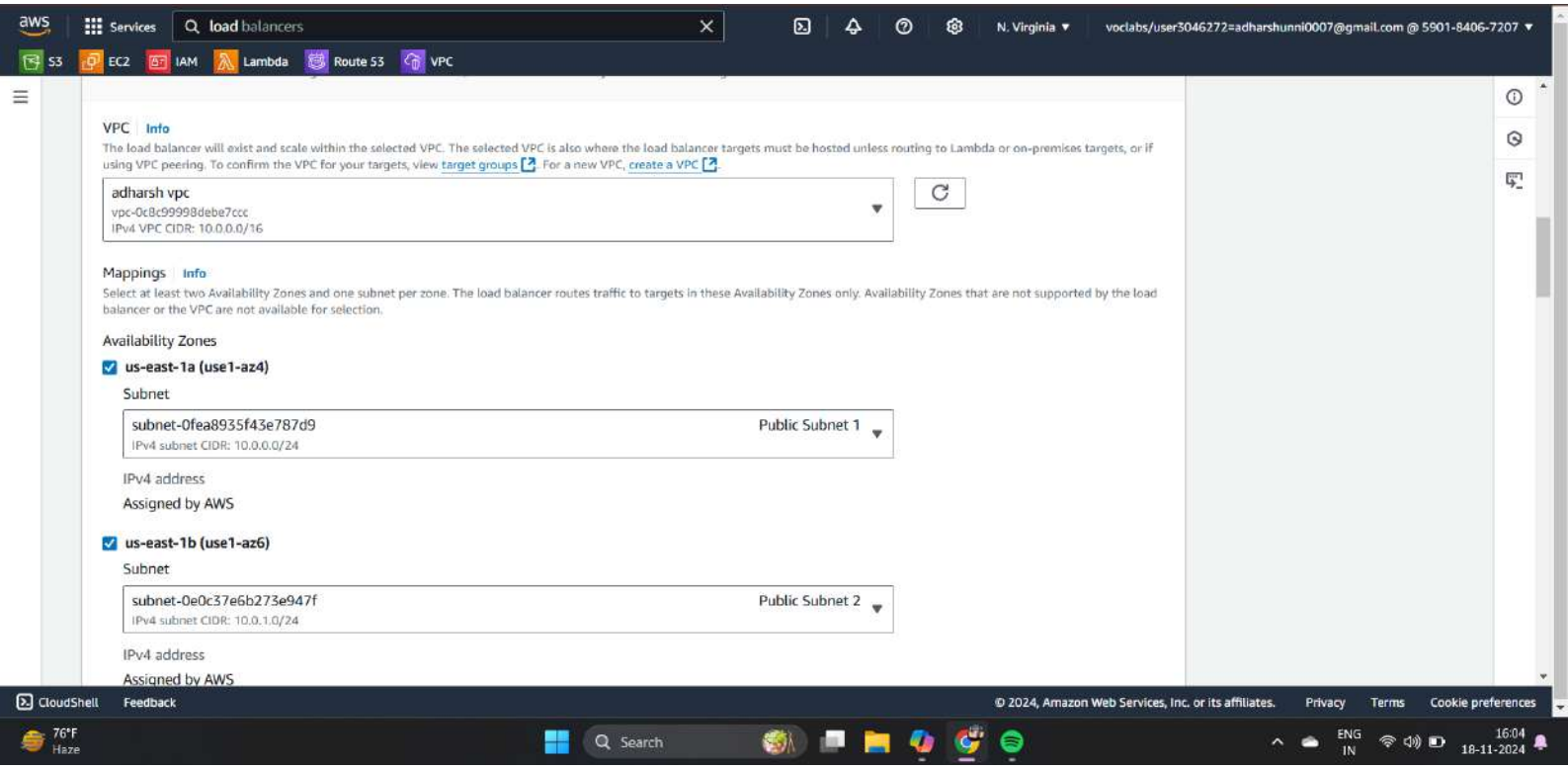
aws
Services
load balancers
N. Virginia
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S3
EC2
IAM
Lambda
Route 53
VPC
VPC Info
The load balancer will exist and scale within the selected VPC. The selected VPC is also where the load balancer targets must be hosted unless routing to Lambda or on-premises targets, or if using VPC peering. To confirm the VPC for your targets, view target groups. For a new VPC, create a VPC.
adharsh vpc
vpc-0c8c99998debe7ccc
IPv4 VPC CIDR: 10.0.0.0/16
Mappings Info
Select at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Availability Zones that are not supported by the load balancer or the VPC are not available for selection.
Availability Zones
us-east-1a (use1-az4)
Subnet
subnet-0fea8935f43e787d9
Public Subnet 1
IPv4 subnet CIDR: 10.0.0.0/24
IPv4 address
Assigned by AWS
us-east-1b (use1-az6)
Subnet
subnet-0e0c37e6b273e947f
Public Subnet 2
IPv4 subnet CIDR: 10.0.1.0/24
IPv4 address
Assigned by AWS
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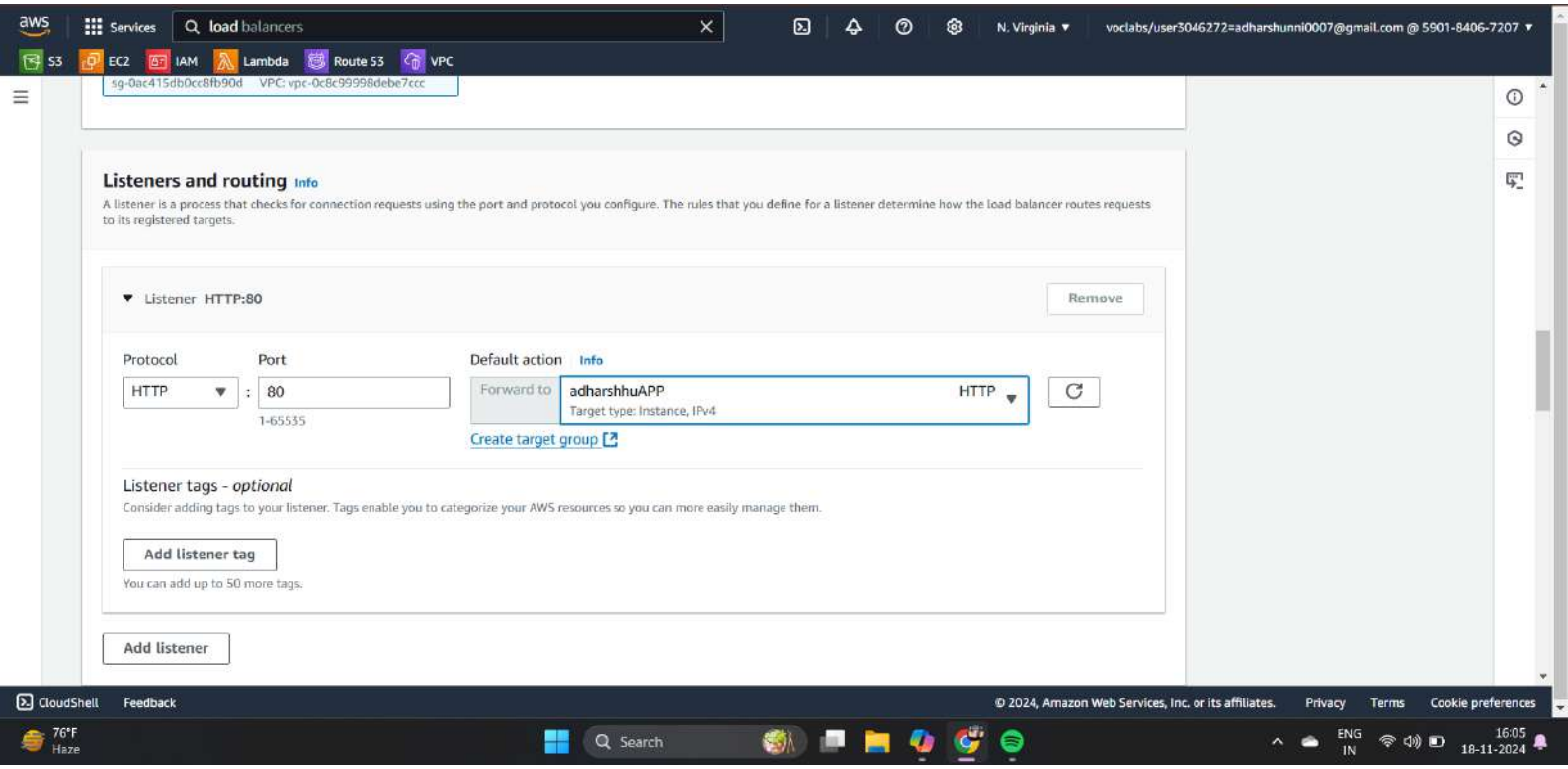
load balancers
N. Virginia
S3
EC2
IAM
Lambda
Route 53
VPC
sg-0ac415db0cc8fb90d VPC: vpc-0c8c99998debe7ccc
Listeners and routing Info
A listener is a process that checks for connection requests using the port and protocol you configure. The rules that you define for a listener determine how the load balancer routes requests to its registered targets.
Listener HTTP:80
Remove
Protocol
Port
Default action Info
HTTP
80
1-65535
Forward to
adharshhuAPP
HTTP
Target type: Instance, IPv4
Create target group
Listener tags - optional
Consider adding tags to your listener. Tags enable you to categorize your AWS resources so you can more easily manage them.
Add listener tag
You can add up to 50 more tags.
Add listener
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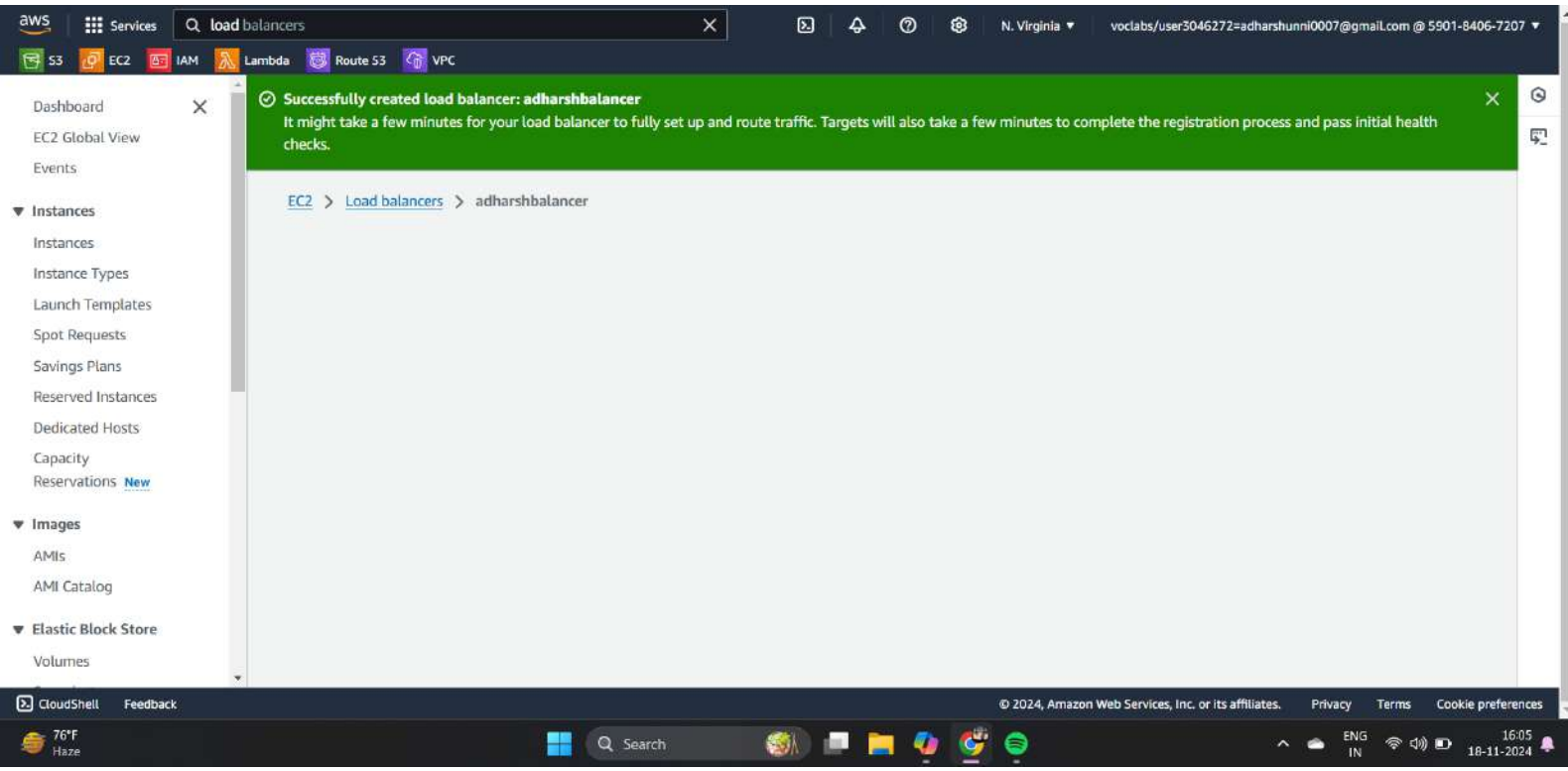
aws
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load balancers
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Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Successfully created load balancer: adharshbalancer
It might take a few minutes for your load balancer to fully set up and route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.
EC2 > Load balancers > adharshbalancer
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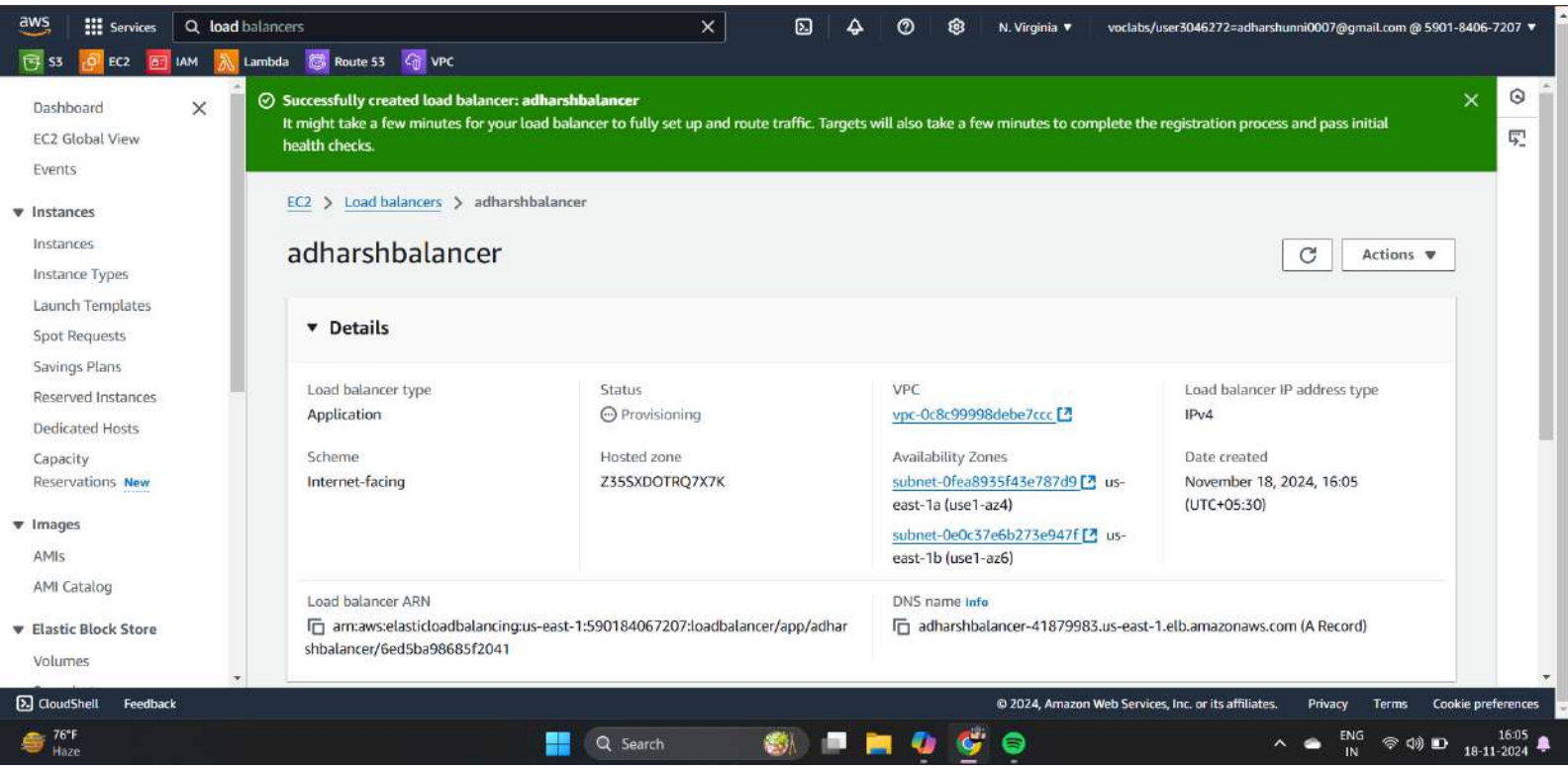
load balancers
N. Virginia
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EC2
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Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Successfully created load balancer: adharshbalancer
It might take a few minutes for your load balancer to fully set up and route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.
EC2 > Load balancers > adharshbalancer
adharshbalancer
Actions
Details
Load balancer type
Application
Status
Provisioning
VPC
vpc-0c8c99998debe7ccc
Load balancer IP address type
IPv4
Scheme
Internet-facing
Hosted zone
Z35SXDOTRQ7X7K
Availability Zones
subnet-0fea8935f43e787d9 us-east-1a (use1-az4)
subnet-0e0c37e6b273e947f us-east-1b (use1-az6)
Date created
November 18, 2024, 16:05 (UTC+05:30)
Load balancer ARN
arn:aws:elasticloadbalancing:us-east-1:590184067207:loadbalancer/app/adharshbalancer/6ed5ba98685f2041
DNS name info
adharshbalancer-41879983.us-east-1.elb.amazonaws.com (A Record)
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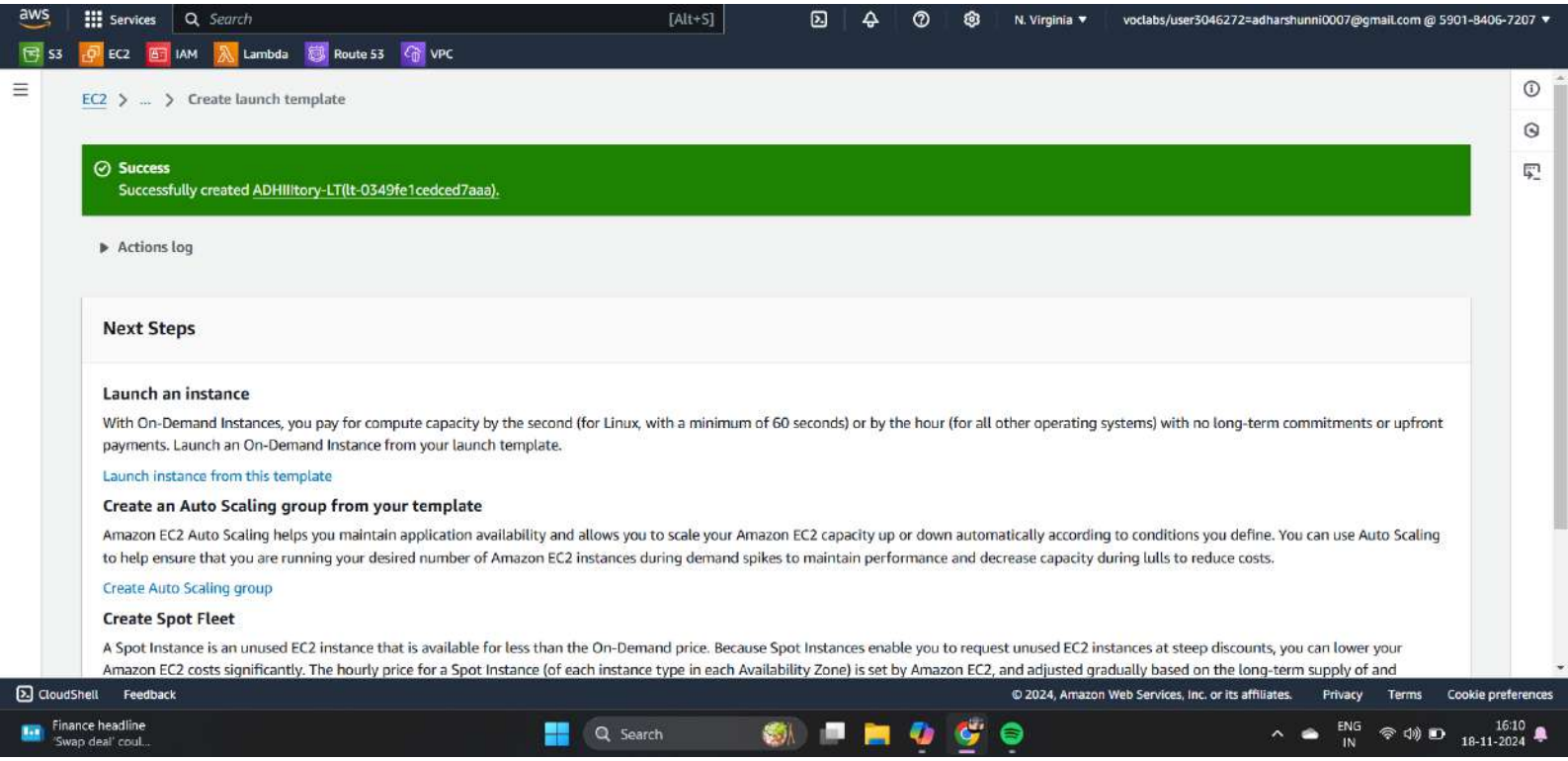
aws
Services
Search
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S3
EC2
IAM
Lambda
Route 53
VPC
EC2 > ... > Create launch template
Success
Successfully created ADHIlitory-LT(lt-0349fe1cedced7aaa).
Actions log
Next Steps
Launch an instance
With On-Demand Instances, you pay for compute capacity by the second (for Linux, with a minimum of 60 seconds) or by the hour (for all other operating systems) with no long-term commitments or upfront payments. Launch an On-Demand Instance from your launch template.
Launch instance from this template
Create an Auto Scaling group from your template
Amazon EC2 Auto Scaling helps you maintain application availability and allows you to scale your Amazon EC2 capacity up or down automatically according to conditions you define. You can use Auto Scaling to help ensure that you are running your desired number of Amazon EC2 instances during demand spikes to maintain performance and decrease capacity during lulls to reduce costs.
Create Auto Scaling group
Create Spot Fleet
A Spot Instance is an unused EC2 instance that is available for less than the On-Demand price. Because Spot Instances enable you to request unused EC2 instances at steep discounts, you can lower your Amazon EC2 costs significantly. The hourly price for a Spot Instance (of each instance type in each Availability Zone) is set by Amazon EC2, and adjusted gradually based on the long-term supply of and
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'Swap deal' coul...
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ENG
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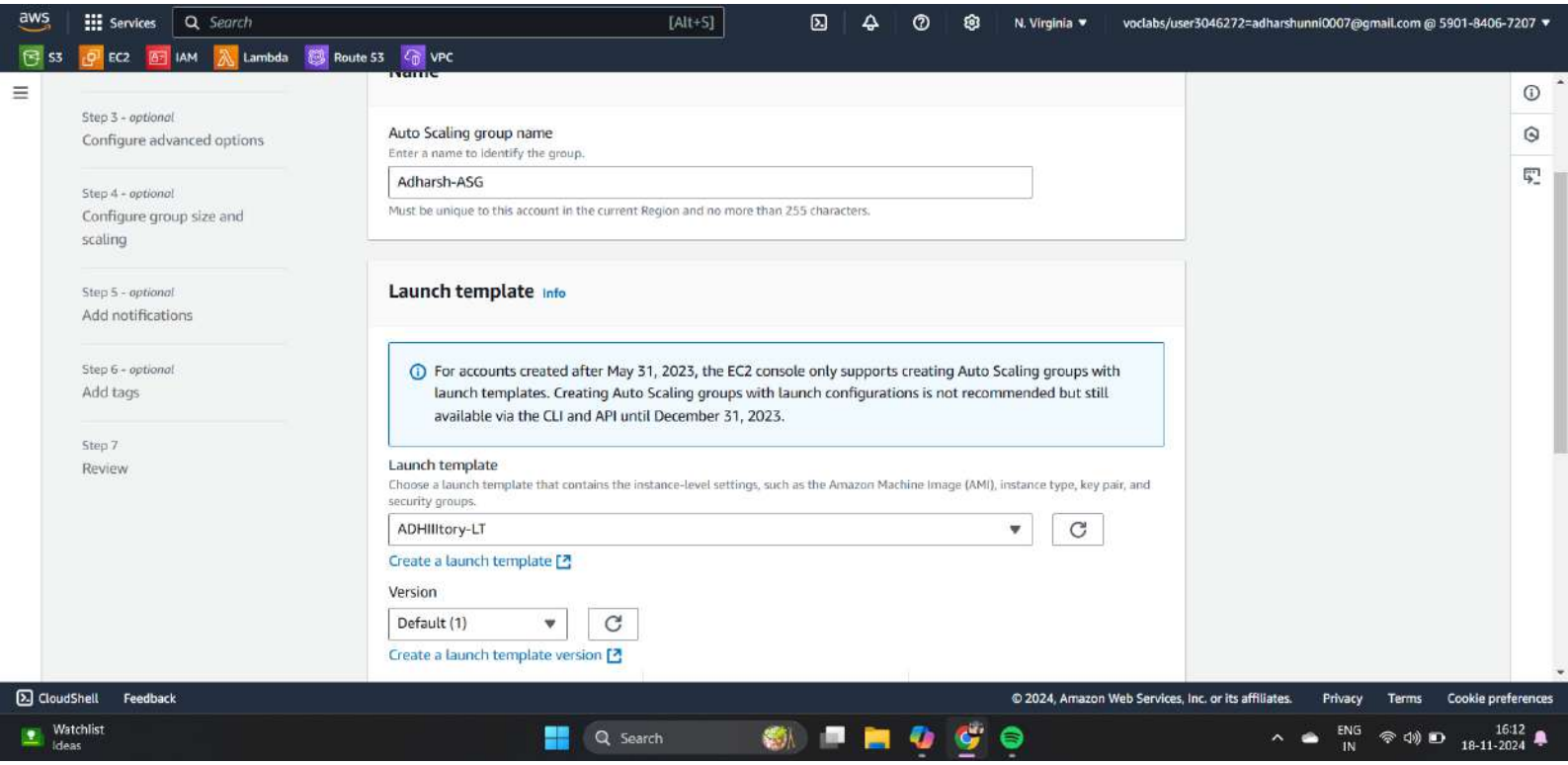
Services
Search
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N. Virginia
voclabs/user3046272=adharshunni0007@gmail.com @ 5901-8406-7207
S3
EC2
IAM
Lambda
Route 53
VPC
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Auto Scaling group name
Enter a name to identify the group.
Adharsh-ASG
Must be unique to this account in the current Region and no more than 255 characters.
Launch template
Info
For accounts created after May 31, 2023, the EC2 console only supports creating Auto Scaling groups with launch templates. Creating Auto Scaling groups with launch configurations is not recommended but still available via the CLI and API until December 31, 2023.
Launch template
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.
ADHIIItory-LT
Create a launch template
Version
Default (1)
Create a launch template version
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Search
ENG
IN
16:12
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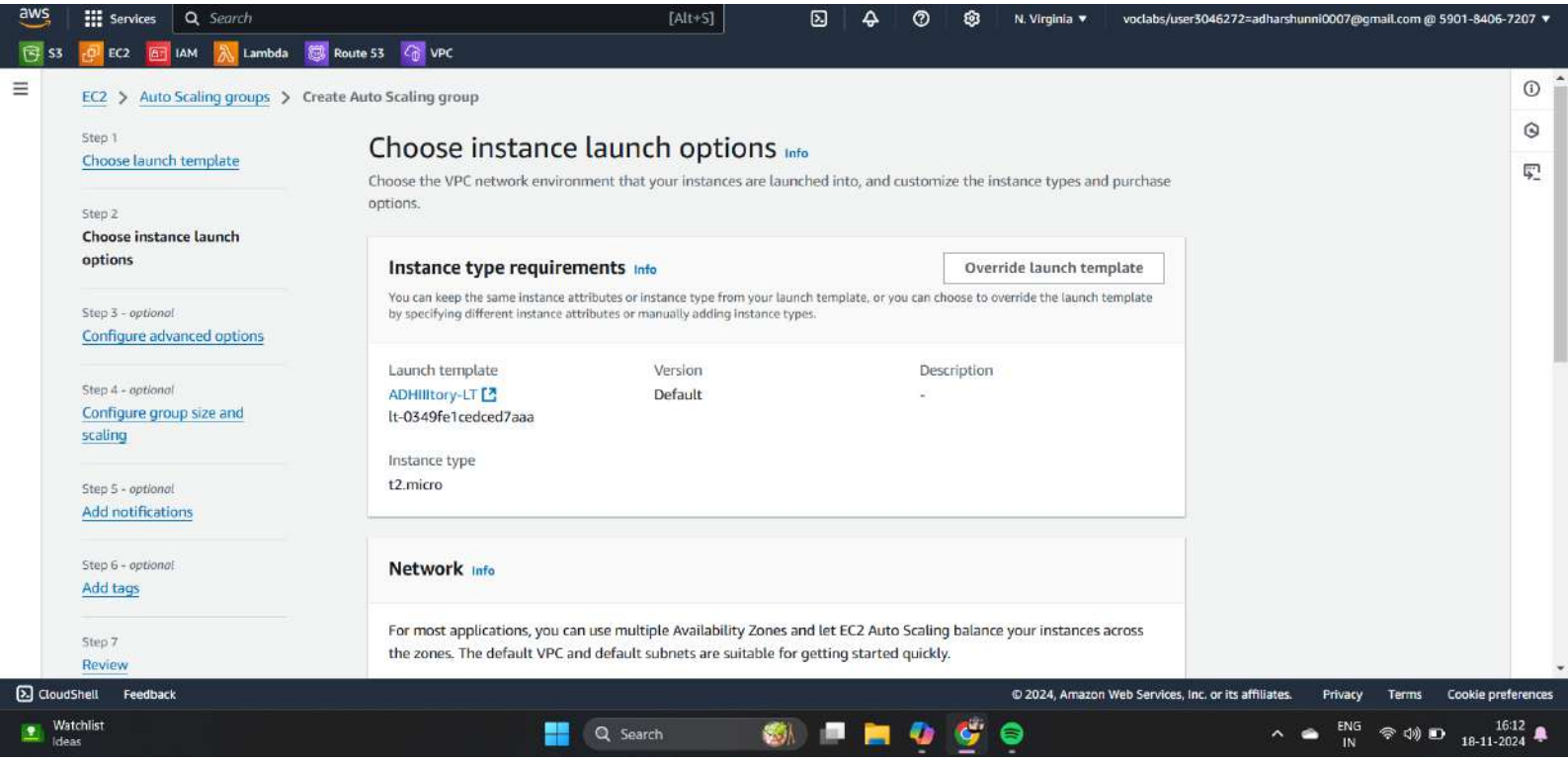
Services
Search
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N. Virginia
voclabs/user3046272=adharshunni0007@gmail.com @ 5901-8406-7207
S3
EC2
IAM
Lambda
Route 53
VPC
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Choose instance launch options Info
Choose the VPC network environment that your instances are launched into, and customize the instance types and purchase options.
Instance type requirements Info
Override launch template
You can keep the same instance attributes or instance type from your launch template, or you can choose to override the launch template by specifying different instance attributes or manually adding instance types.
Launch template
ADHIIItory-LT
lt-0349fe1cedced7aaa
Version
Default
Description
-
Instance type
t2.micro
Network Info
For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.
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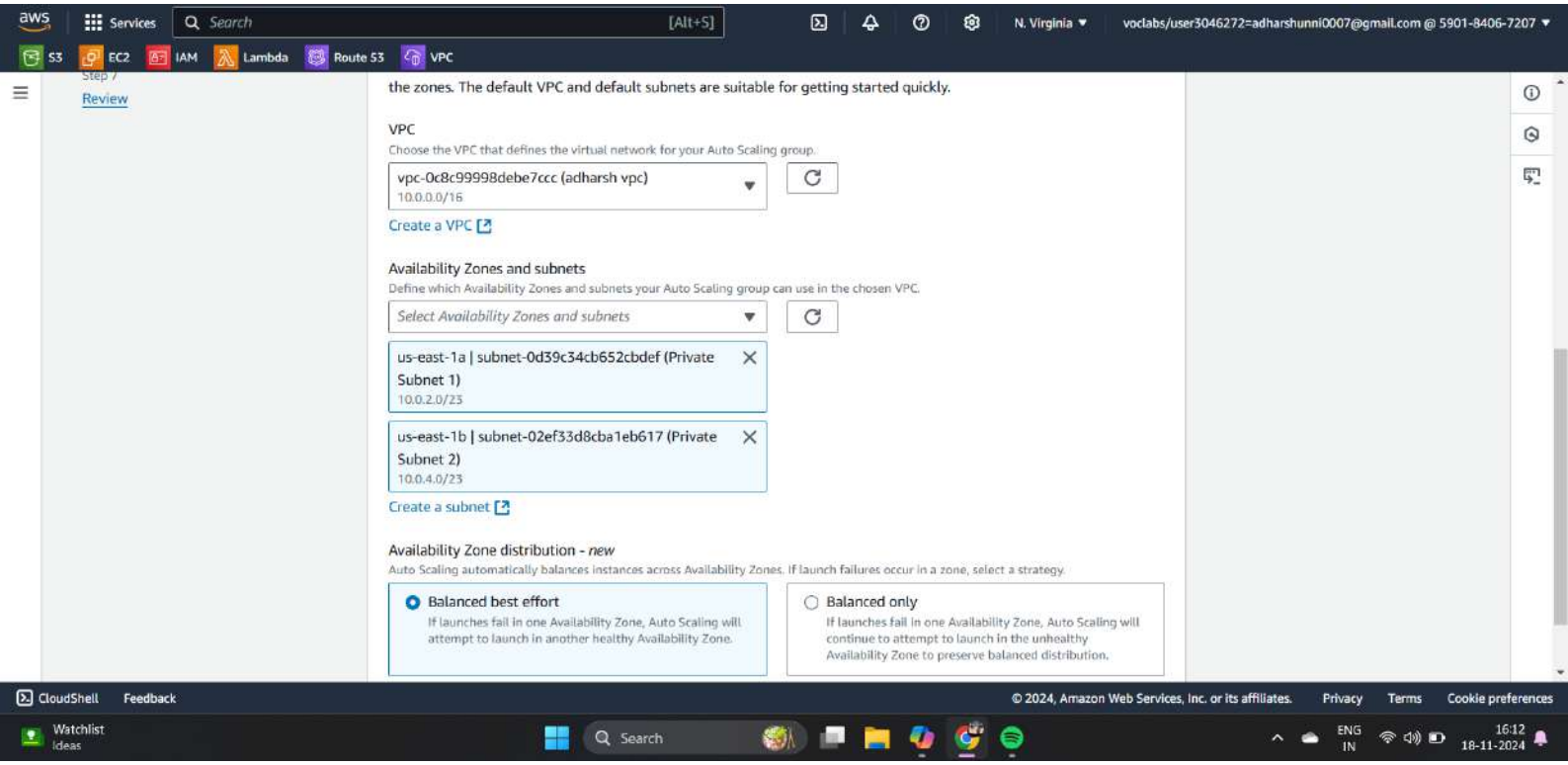
aws
Services
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N. Virginia
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S3
EC2
IAM
Lambda
Route 53
VPC
Step 7
Review
the zones. The default VPC and default subnets are suitable for getting started quickly.
VPC
Choose the VPC that defines the virtual network for your Auto Scaling group.
vpc-0c8c99998debe7ccc (adharsh vpc)
10.0.0.0/16
Create a VPC
Availability Zones and subnets
Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.
Select Availability Zones and subnets
us-east-1a | subnet-0d39c34cb652cbdef (Private Subnet 1)
10.0.2.0/23
us-east-1b | subnet-02ef33d8cba1eb617 (Private Subnet 2)
10.0.4.0/23
Create a subnet
Availability Zone distribution - new
Auto Scaling automatically balances instances across Availability Zones. If launch failures occur in a zone, select a strategy.
Balanced best effort
If launches fail in one Availability Zone, Auto Scaling will attempt to launch in another healthy Availability Zone.
Balanced only
If launches fail in one Availability Zone, Auto Scaling will continue to attempt to launch in the unhealthy Availability Zone to preserve balanced distribution.
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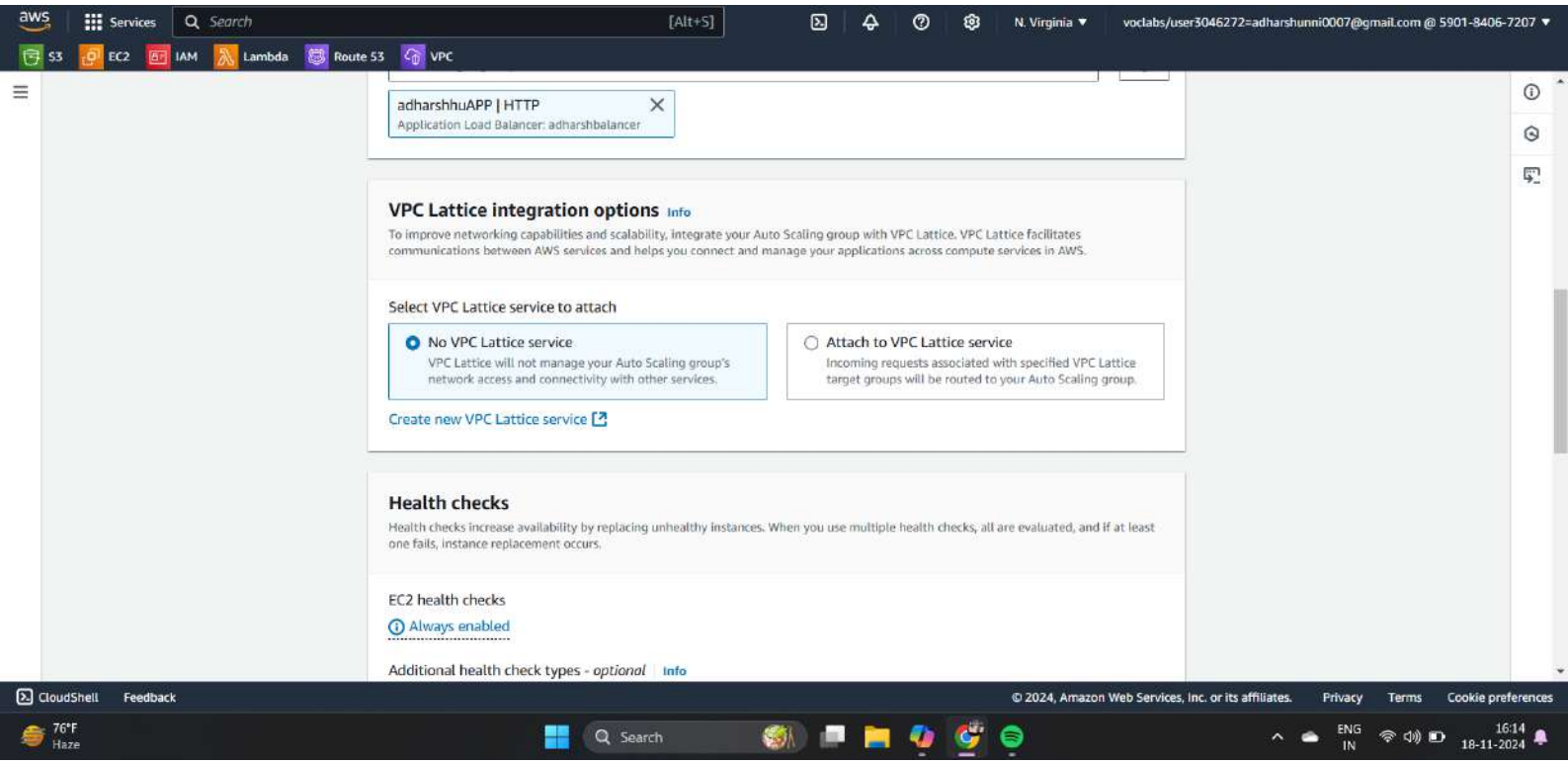
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VPC
adharshhuAPP | HTTP
Application Load Balancer: adharshbalancer
VPC Lattice integration options
Info
To improve networking capabilities and scalability, integrate your Auto Scaling group with VPC Lattice. VPC Lattice facilitates communications between AWS services and helps you connect and manage your applications across compute services in AWS.
Select VPC Lattice service to attach
No VPC Lattice service
VPC Lattice will not manage your Auto Scaling group's network access and connectivity with other services.
Attach to VPC Lattice service
Incoming requests associated with specified VPC Lattice target groups will be routed to your Auto Scaling group.
Create new VPC Lattice service
Health checks
Health checks increase availability by replacing unhealthy instances. When you use multiple health checks, all are evaluated, and if at least one fails, instance replacement occurs.
EC2 health checks
Always enabled
Additional health check types - optional
Info
CloudShell
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16:14
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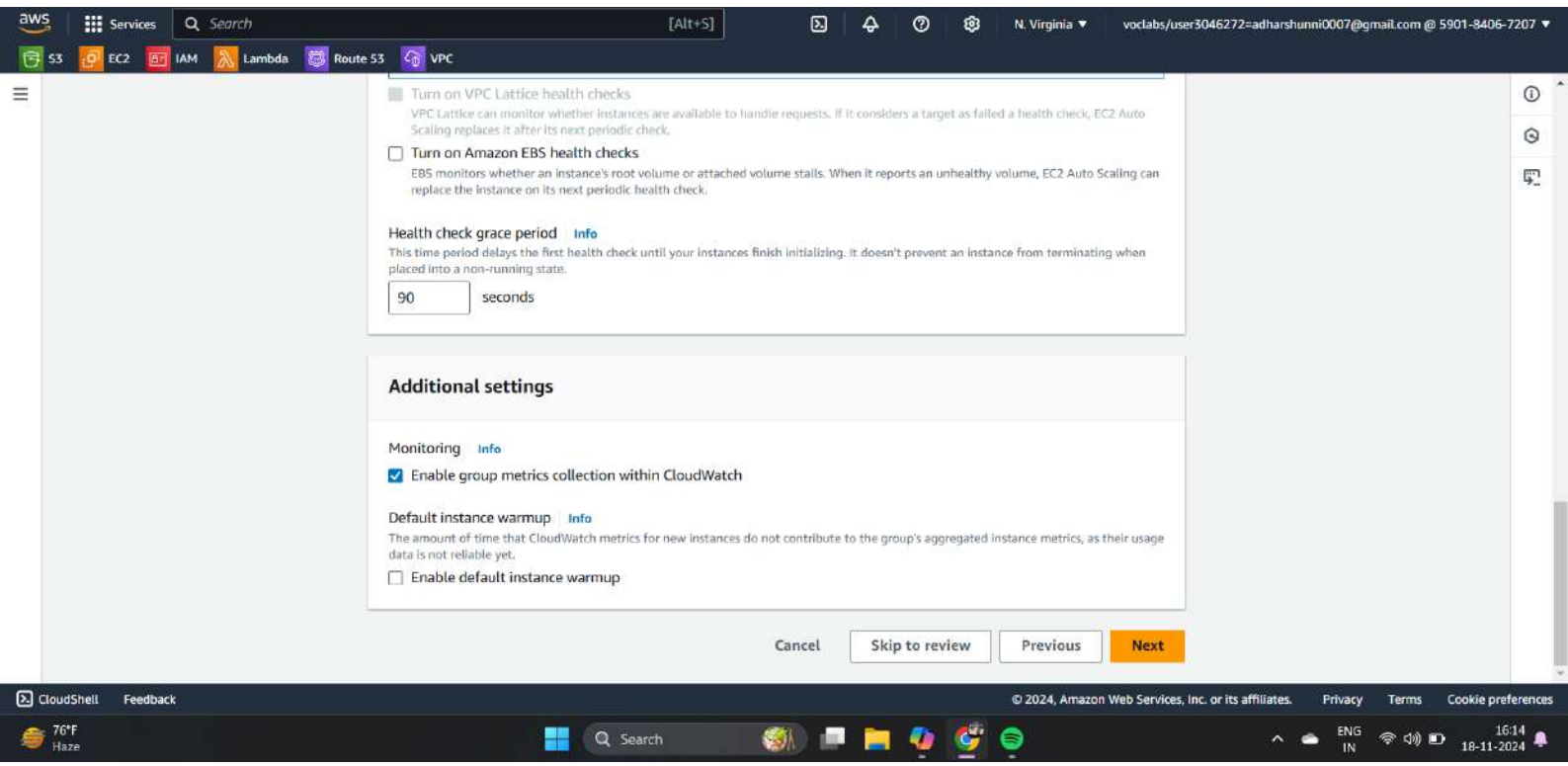
Services
Search
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VPC
Turn on VPC Lattice health checks
VPC Lattice can monitor whether instances are available to handle requests. If it considers a target as failed a health check, EC2 Auto Scaling replaces it after its next periodic check.
Turn on Amazon EBS health checks
EBS monitors whether an instance's root volume or attached volume stalls. When it reports an unhealthy volume, EC2 Auto Scaling can replace the instance on its next periodic health check.
Health check grace period
Info
This time period delays the first health check until your instances finish initializing. It doesn't prevent an instance from terminating when placed into a non-running state.
90
seconds
Additional settings
Monitoring
Info
Enable group metrics collection within CloudWatch
Default instance warmup
Info
The amount of time that CloudWatch metrics for new instances do not contribute to the group's aggregated instance metrics, as their usage data is not reliable yet.
Enable default instance warmup
Cancel
Skip to review
Previous
Next
CloudShell
Feedback
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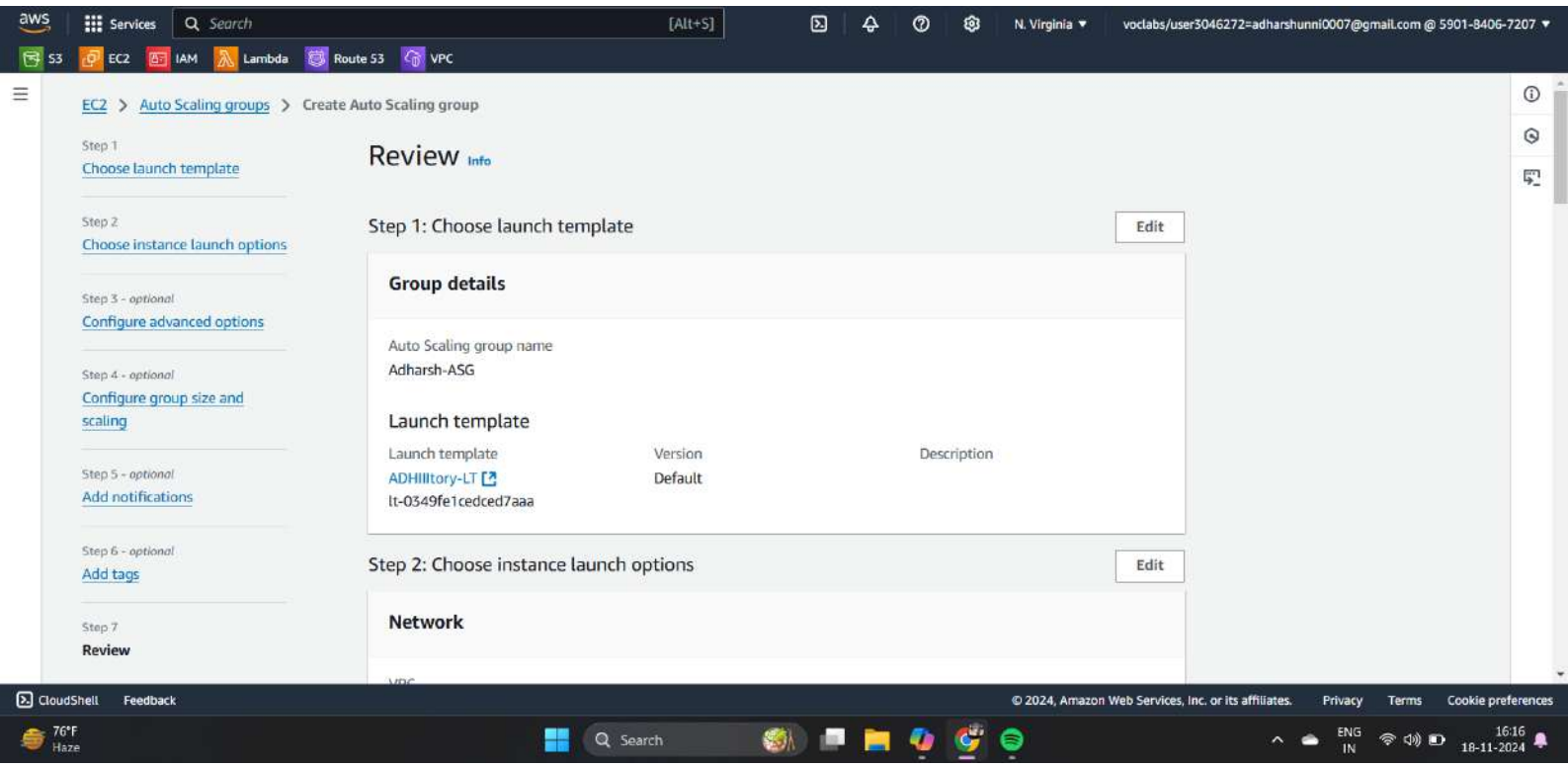
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S3
EC2
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VPC
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Review Info
Step 1: Choose launch template
Edit
Group details
Auto Scaling group name
Adharsh-ASG
Launch template
Launch template
ADHIIItory-LT
lt-0349fe1cedced7aaa
Version
Default
Description
Step 2: Choose instance launch options
Edit
Network
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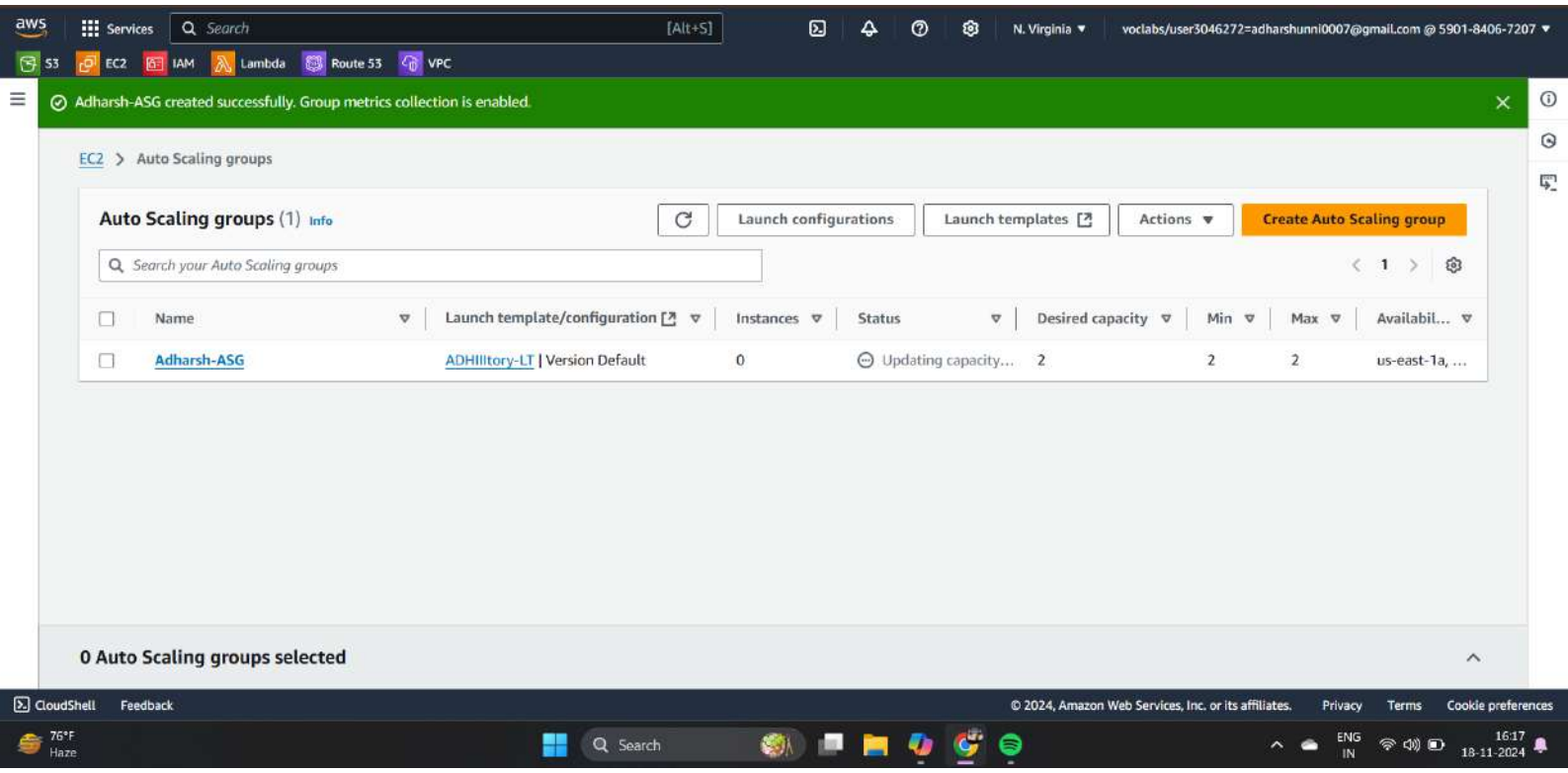
Services
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S3
EC2
IAM
Lambda
Route 53
VPC
Adharsh-ASG created successfully. Group metrics collection is enabled.
EC2 > Auto Scaling groups
Auto Scaling groups (1) Info
Launch configurations
Launch templates
Actions
Create Auto Scaling group
Search your Auto Scaling groups
1
Name
Launch template/configuration
Instances
Status
Desired capacity
Min
Max
Availabil...
Adharsh-ASG
ADHIlitory-LT | Version Default
0
Updating capacity...
2
2
2
us-east-1a, ...
0 Auto Scaling groups selected
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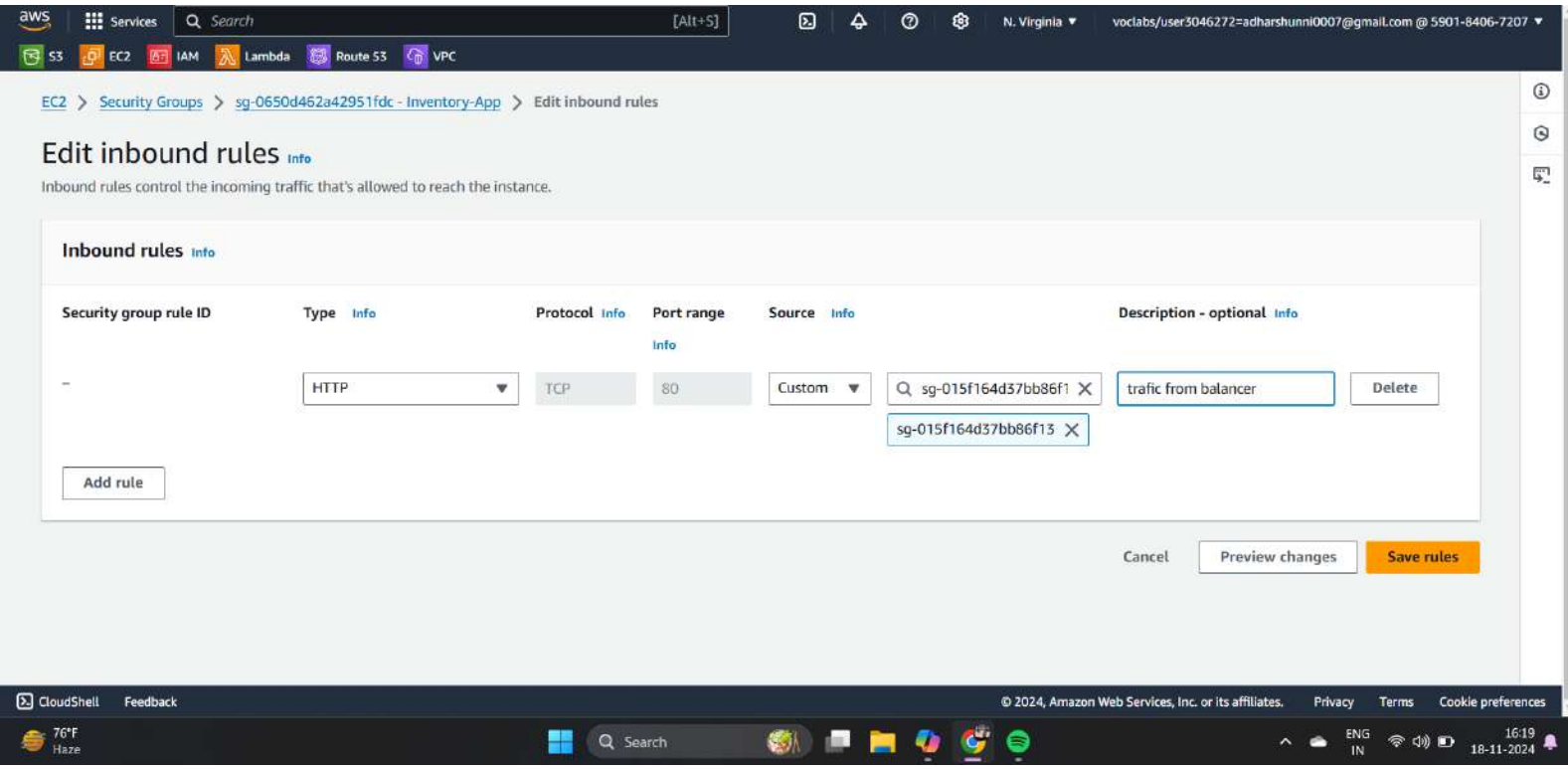
IN
16:17
18-11-2024


Services
Search
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S3
EC2
IAM
Lambda
Route 53
VPC
EC2 > Security Groups > sg-0650d462a42951fdc - Inventory-App > Edit inbound rules
Edit inbound rules Info
Inbound rules control the incoming traffic that's allowed to reach the instance.
Inbound rules Info
Security group rule ID
Type Info
Protocol Info
Port range Info
Source Info
Description - optional Info
-
HTTP
TCP
80
Custom
sg-015f164d37bb86f1
sg-015f164d37bb86f13
trafic from balancer
Delete
Add rule
Cancel
Preview changes
Save rules
CloudShell
Feedback
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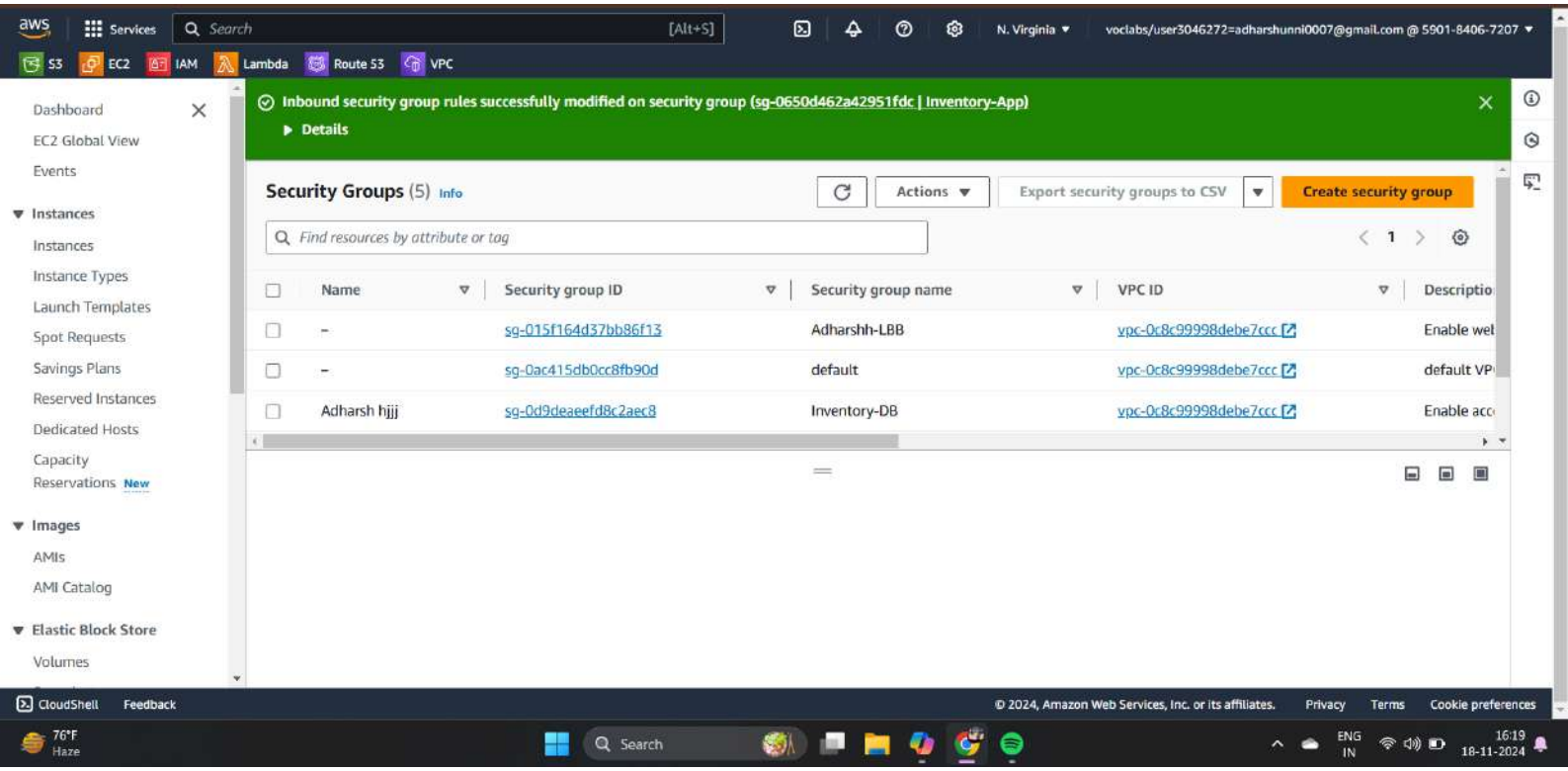
ENG
IN
16:19
18-11-2024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S3
EC2
IAM
Lambda
Route 53
VPC
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Inbound security group rules successfully modified on security group (sg-0650d462a42951fdc | Inventory-App)
Details
Security Groups (5) Info
Actions
Export security groups to CSV
Create security group
Find resources by attribute or tag
1
Name
Security group ID
Security group name
VPC ID
Descriptio
-
sg-015f164d37bb86f13
Adharshh-LBB
vpc-0c8c99998debe7ccc
Enable wel
-
sg-0ac415db0cc8fb90d
default
vpc-0c8c99998debe7ccc
default VP
Adharsh hjjj
sg-0d9deaeefd8c2aec8
Inventory-DB
vpc-0c8c99998debe7ccc
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