Module-3: ELB Assignment - 1

You have been asked to:

1. Create a Classic Load Balancer and register 3 EC2 instances with different web pages running in them
2. Migrate the Classic Load Balancer into an Application Load Balancer

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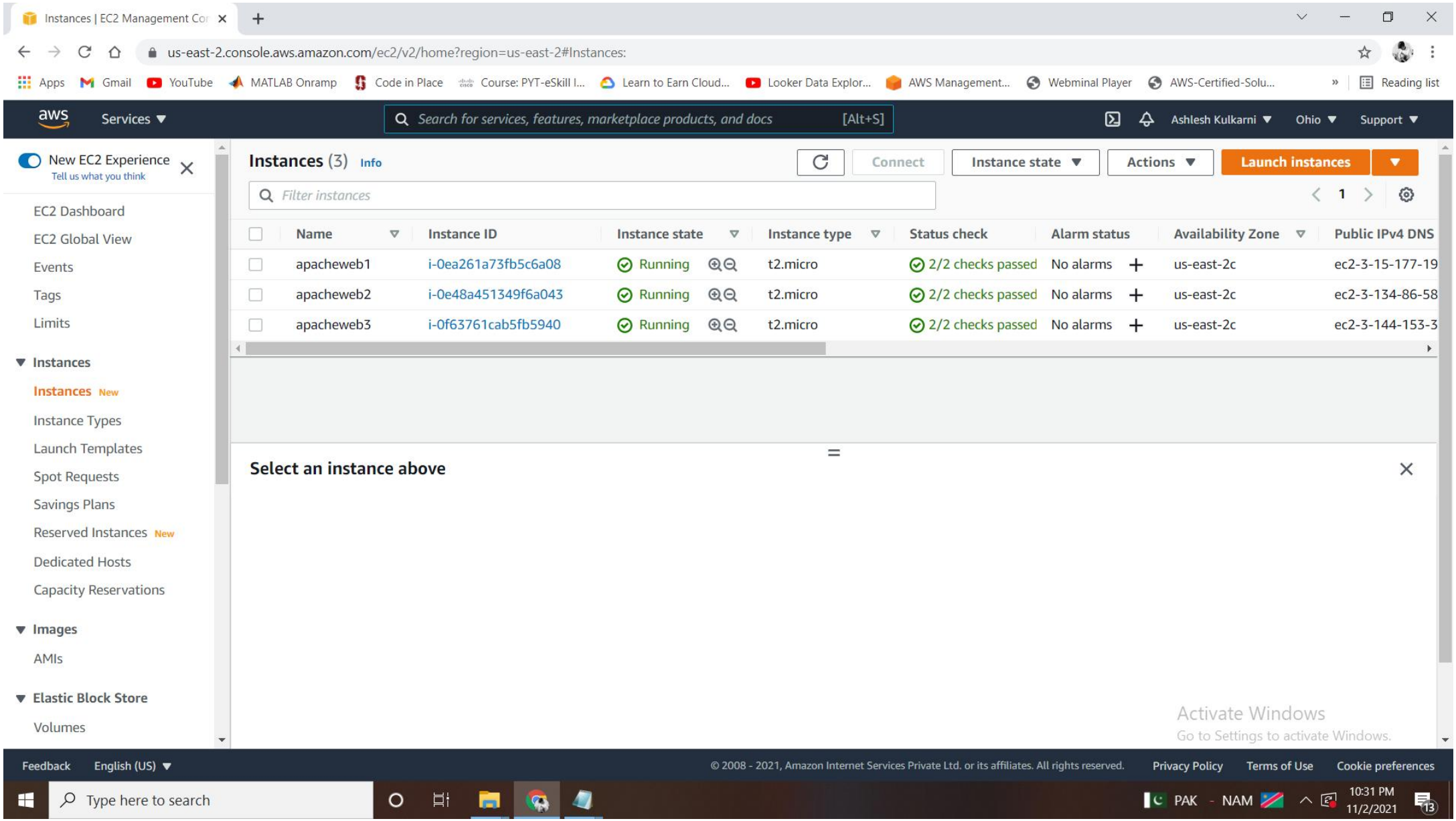
Instances | EC2 Management Cor
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:
Apps
Gmail
YouTube
MATLAB Onramp
Code in Place
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Looker Data Explor...
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EC2 Dashboard
EC2 Global View
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Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs
Elastic Block Store
Volumes
Instances (3) Info
Connect
Instance state
Actions
Launch instances
Filter instances
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
apacheweb1 i-0ea261a73fb5c6a08 Running t2.micro 2/2 checks passed No alarms us-east-2c ec2-3-15-177-19
apacheweb2 i-0e48a451349f6a043 Running t2.micro 2/2 checks passed No alarms us-east-2c ec2-3-134-86-58
apacheweb3 i-0f63761cab5fb5940 Running t2.micro 2/2 checks passed No alarms us-east-2c ec2-3-144-153-3
Select an instance above
Activate Windows
Go to Settings to activate Windows.
Feedback
English (US)
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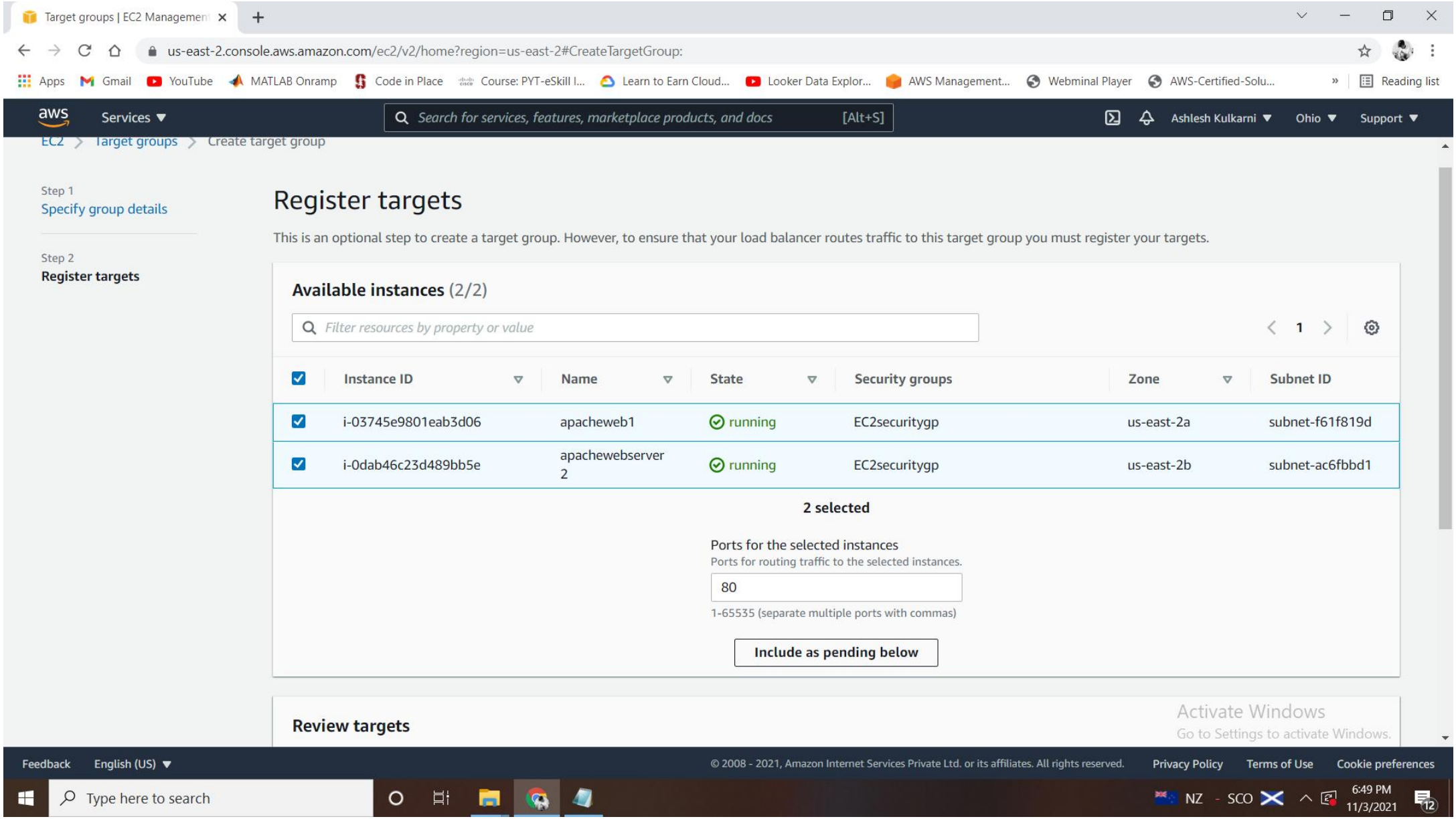
Target groups | EC2 Management
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#CreateTargetGroup:
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Gmail
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MATLAB Onramp
Code in Place
Course: PYT-eSkill I...
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Support
EC2 > Target groups > Create target group
Step 1
Specify group details
Step 2
Register targets
Register targets
This is an optional step to create a target group. However, to ensure that your load balancer routes traffic to this target group you must register your targets.
Available instances (2/2)
Filter resources by property or value
1
Instance ID
Name
State
Security groups
Zone
Subnet ID
i-03745e9801eab3d06
apacheweb1
running
EC2securitygp
us-east-2a
subnet-f61f819d
i-0dab46c23d489bb5e
apachewebserver 2
running
EC2securitygp
us-east-2b
subnet-ac6fbbd1
2 selected
Ports for the selected instances
Ports for routing traffic to the selected instances.
80
1-65535 (separate multiple ports with commas)
Include as pending below
Review targets
Activate Windows
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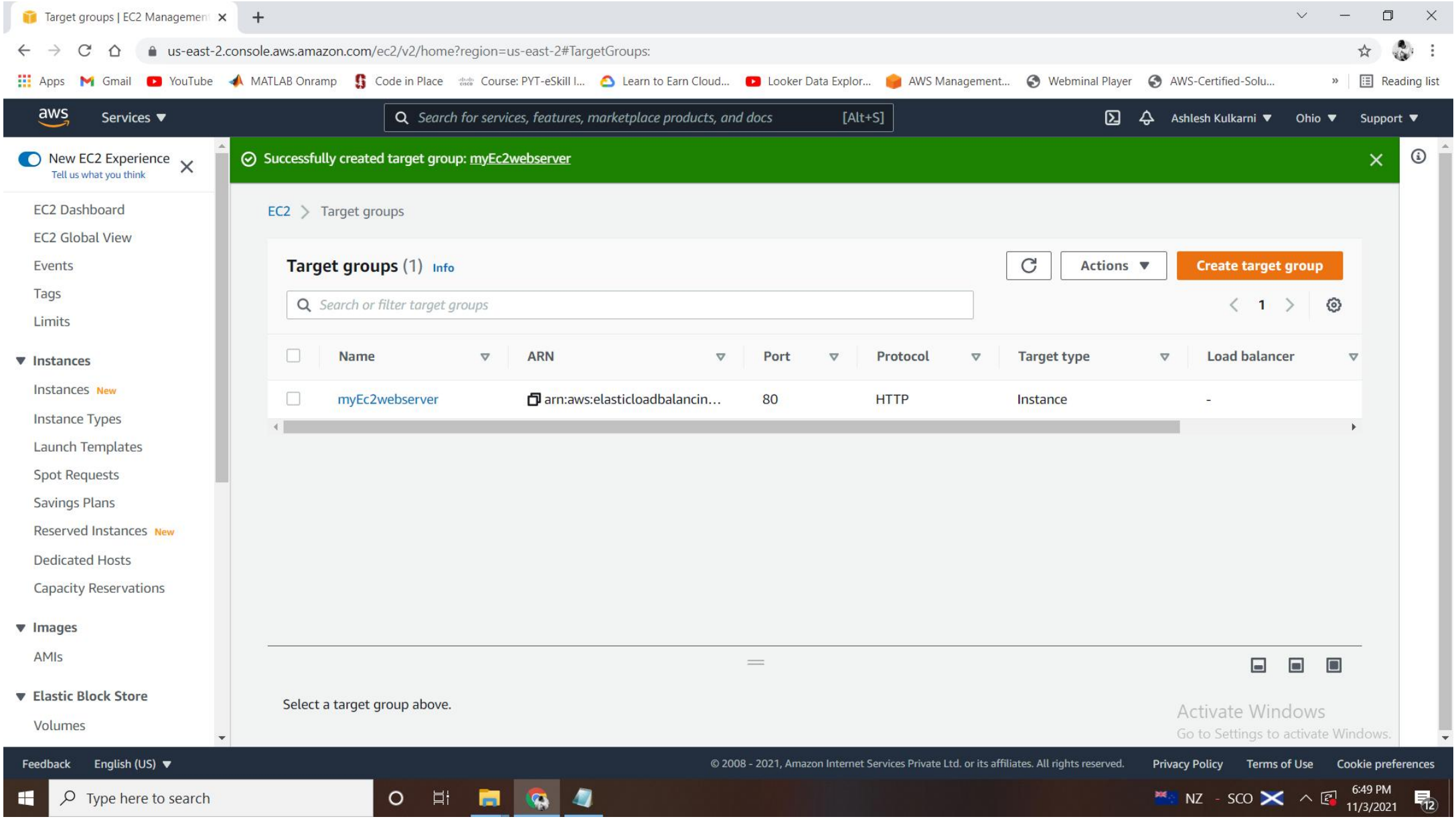
Target groups | EC2 Management
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#TargetGroups:
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Gmail
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Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs
Elastic Block Store
Volumes
Successfully created target group: myEc2webserver
EC2 > Target groups
Target groups (1) Info
Actions
Create target group
Search or filter target groups
1
Name
ARN
Port
Protocol
Target type
Load balancer
myEc2webserver
arn:aws:elasticloadbalancin...
80
HTTP
Instance
-
Select a target group above.
Activate Windows
Go to Settings to activate Windows.
Feedback
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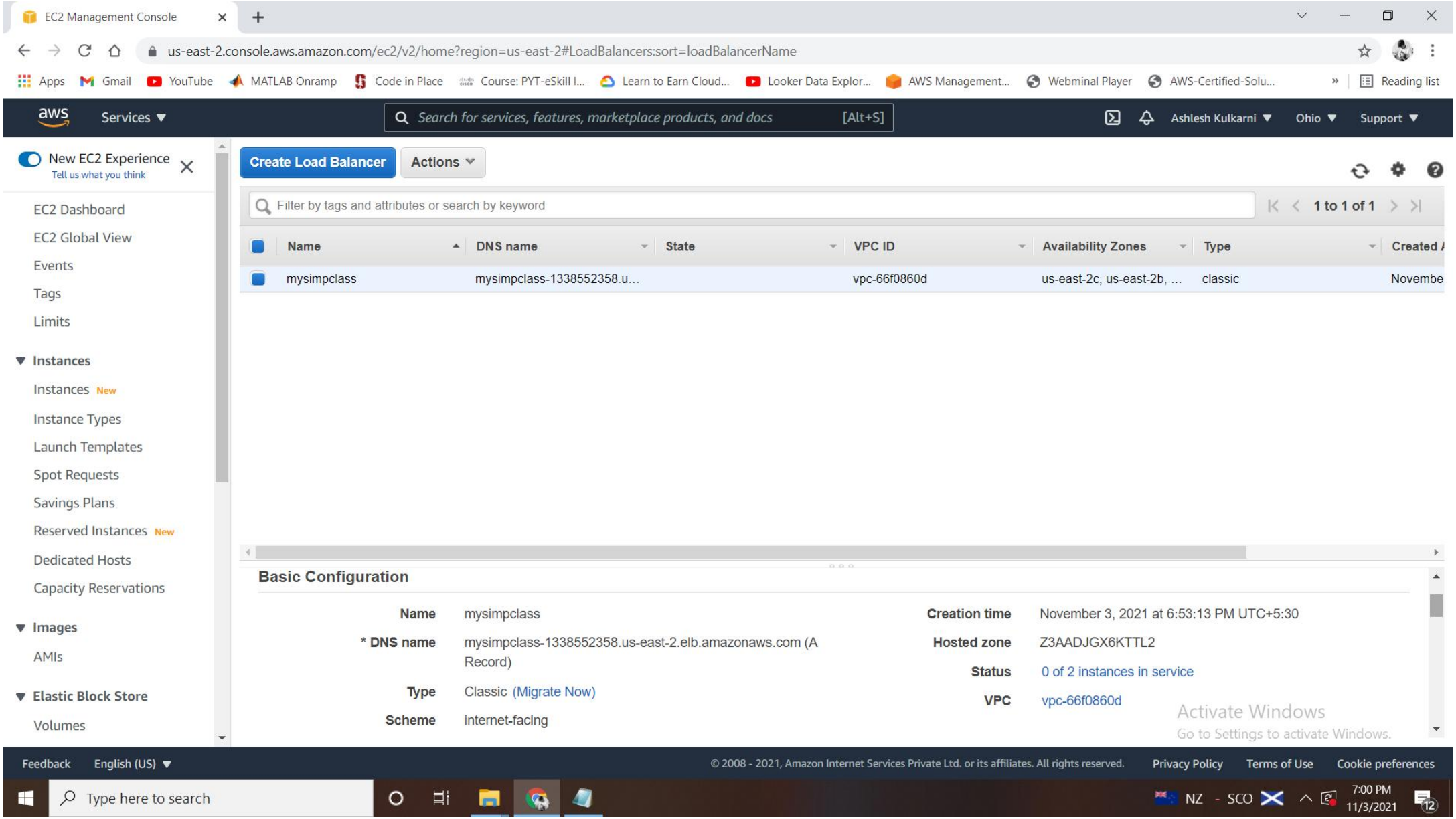
EC2 Management Console
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LoadBalancers:sort=loadBalancerName
Apps
Gmail
YouTube
MATLAB Onramp
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Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs
Elastic Block Store
Volumes
Create Load Balancer
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
DNS name
State
VPC ID
Availability Zones
Type
Created A
mysimpclass
mysimpclass-1338552358.u...
vpc-66f0860d
us-east-2c, us-east-2b, ...
classic
Novembe
Basic Configuration
Name
mysimpclass
* DNS name
mysimpclass-1338552358.us-east-2.elb.amazonaws.com (A Record)
Type
Classic (Migrate Now)
Scheme
internet-facing
Creation time
November 3, 2021 at 6:53:13 PM UTC+5:30
Hosted zone
Z3AADJGX6KTTL2
Status
0 of 2 instances in service
VPC
vpc-66f0860d
Activate Windows
Go to Settings to activate Windows.
Feedback
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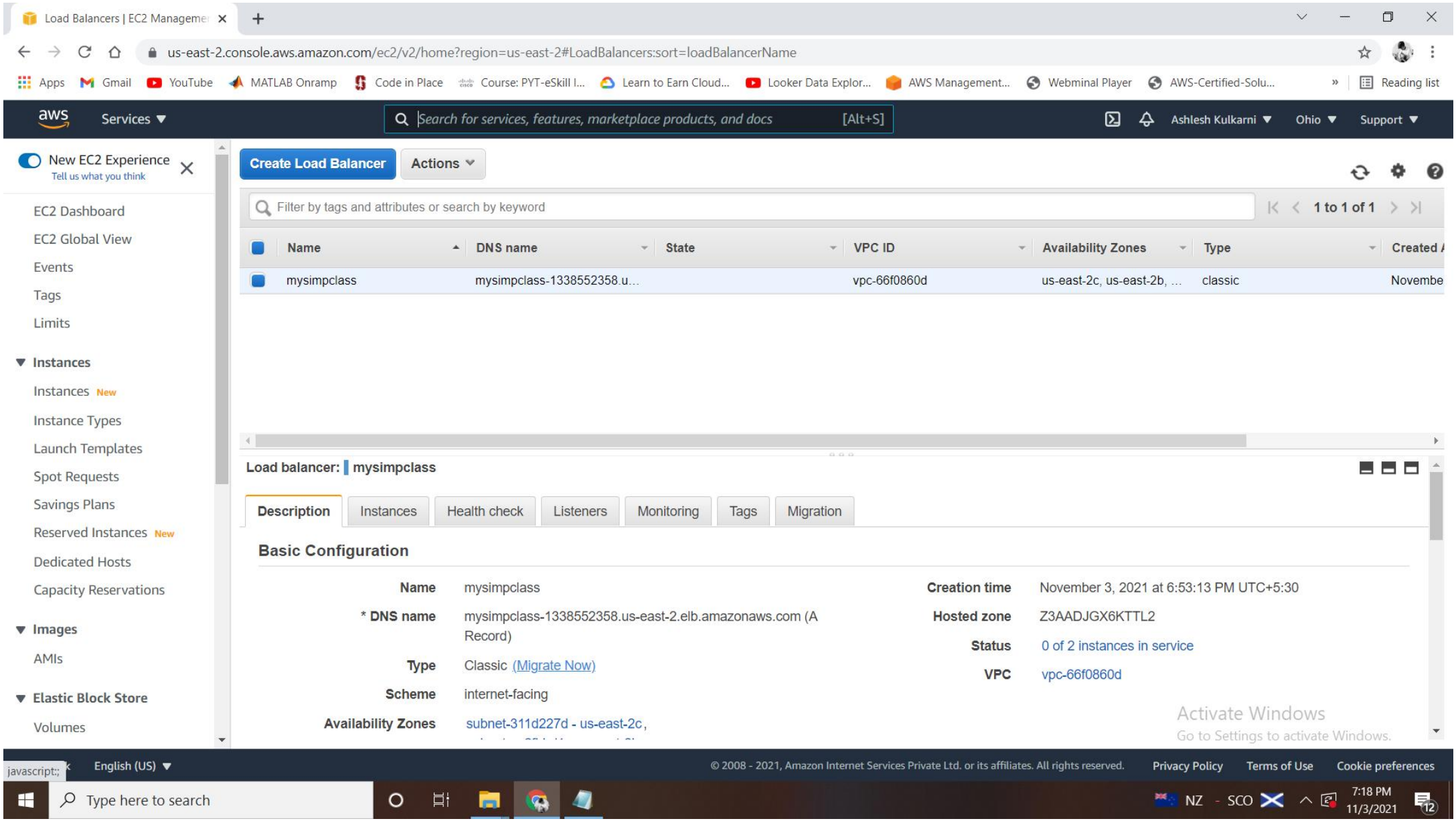
Load Balancers | EC2 Manageme
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LoadBalancers:sort=loadBalancerName
Apps
Gmail
YouTube
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Instances New
Instance Types
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Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs
Elastic Block Store
Volumes
Create Load Balancer
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
DNS name
State
VPC ID
Availability Zones
Type
Created A
mysimpclass
mysimpclass-1338552358.u...
vpc-66f0860d
us-east-2c, us-east-2b, ...
classic
Novembe
Load balancer: mysimpclass
Description
Instances
Health check
Listeners
Monitoring
Tags
Migration
Basic Configuration
Name
mysimpclass
* DNS name
mysimpclass-1338552358.us-east-2.elb.amazonaws.com (A Record)
Type
Classic (Migrate Now)
Scheme
internet-facing
Availability Zones
subnet-311d227d - us-east-2c,
Creation time
November 3, 2021 at 6:53:13 PM UTC+5:30
Hosted zone
Z3AADJGX6KTTL2
Status
0 of 2 instances in service
VPC
vpc-66f0860d
Activate Windows
Go to Settings to activate Windows.
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javascript:;
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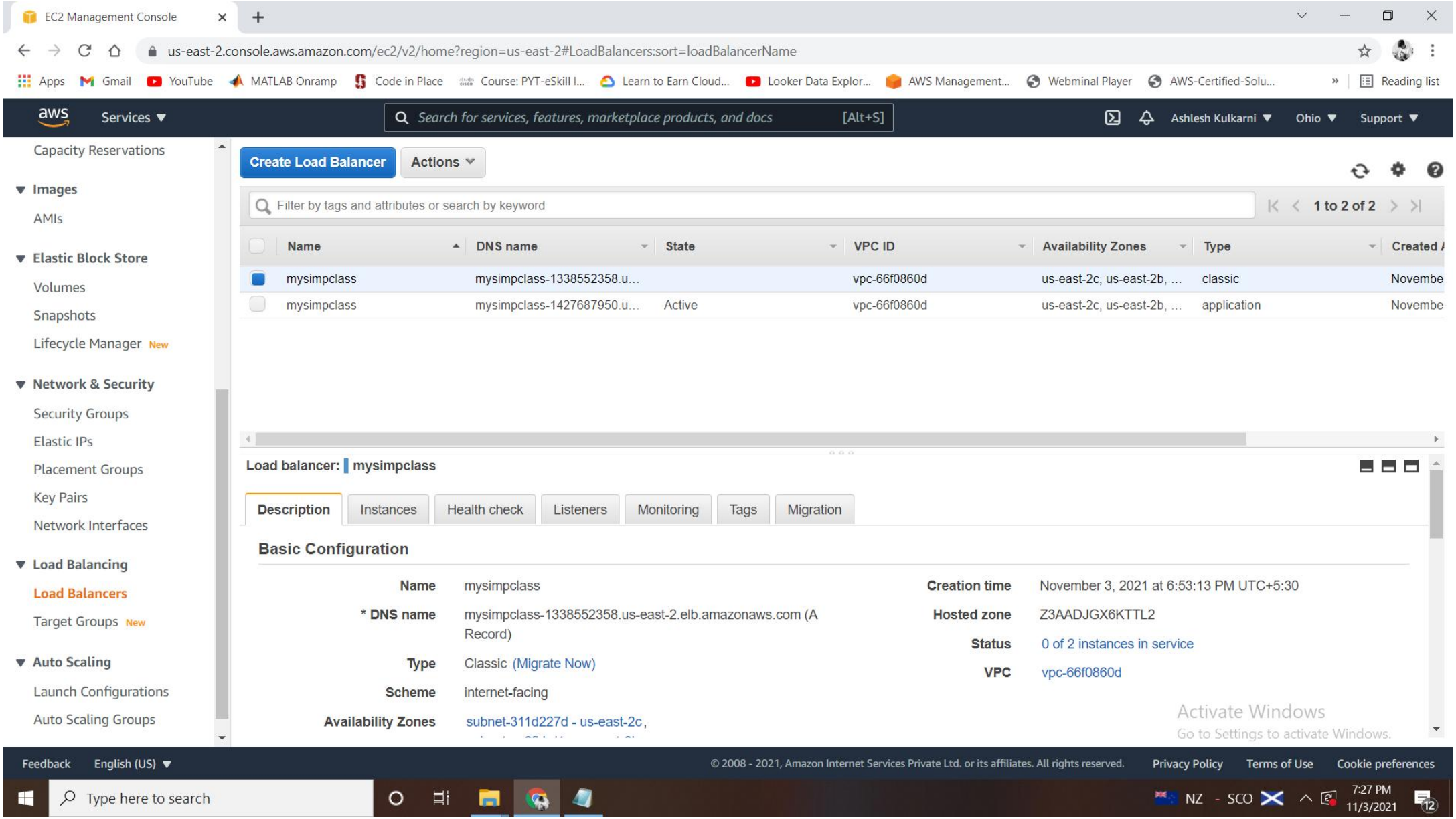
EC2 Management Console
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LoadBalancers:sort=loadBalancerName
Apps
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Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
Load Balancing
Load Balancers
Target Groups New
Auto Scaling
Launch Configurations
Auto Scaling Groups
Create Load Balancer
Actions
Filter by tags and attributes or search by keyword
1 to 2 of 2
Name
DNS name
State
VPC ID
Availability Zones
Type
Created A
mysimpclass
mysimpclass-1338552358.u...
vpc-66f0860d
us-east-2c, us-east-2b, ...
classic
Novembe
mysimpclass
mysimpclass-1427687950.u...
Active
vpc-66f0860d
us-east-2c, us-east-2b, ...
application
Novembe
Load balancer: mysimpclass
Description
Instances
Health check
Listeners
Monitoring
Tags
Migration
Basic Configuration
Name
mysimpclass
* DNS name
mysimpclass-1338552358.us-east-2.elb.amazonaws.com (A Record)
Type
Classic (Migrate Now)
Scheme
internet-facing
Availability Zones
subnet-311d227d - us-east-2c,
Creation time
November 3, 2021 at 6:53:13 PM UTC+5:30
Hosted zone
Z3AADJGX6KTTL2
Status
0 of 2 instances in service
VPC
vpc-66f0860d
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Module-2: Auto Scaling Assignment - 2

You have been asked to:

1. Create a Web Server AMI with Apache 2 server running in it
2. Create a Launch Configuration with this AMI
3. Use this Launch Configuration to create an Auto Scaling group with 1 minimum and 3 maximum instances

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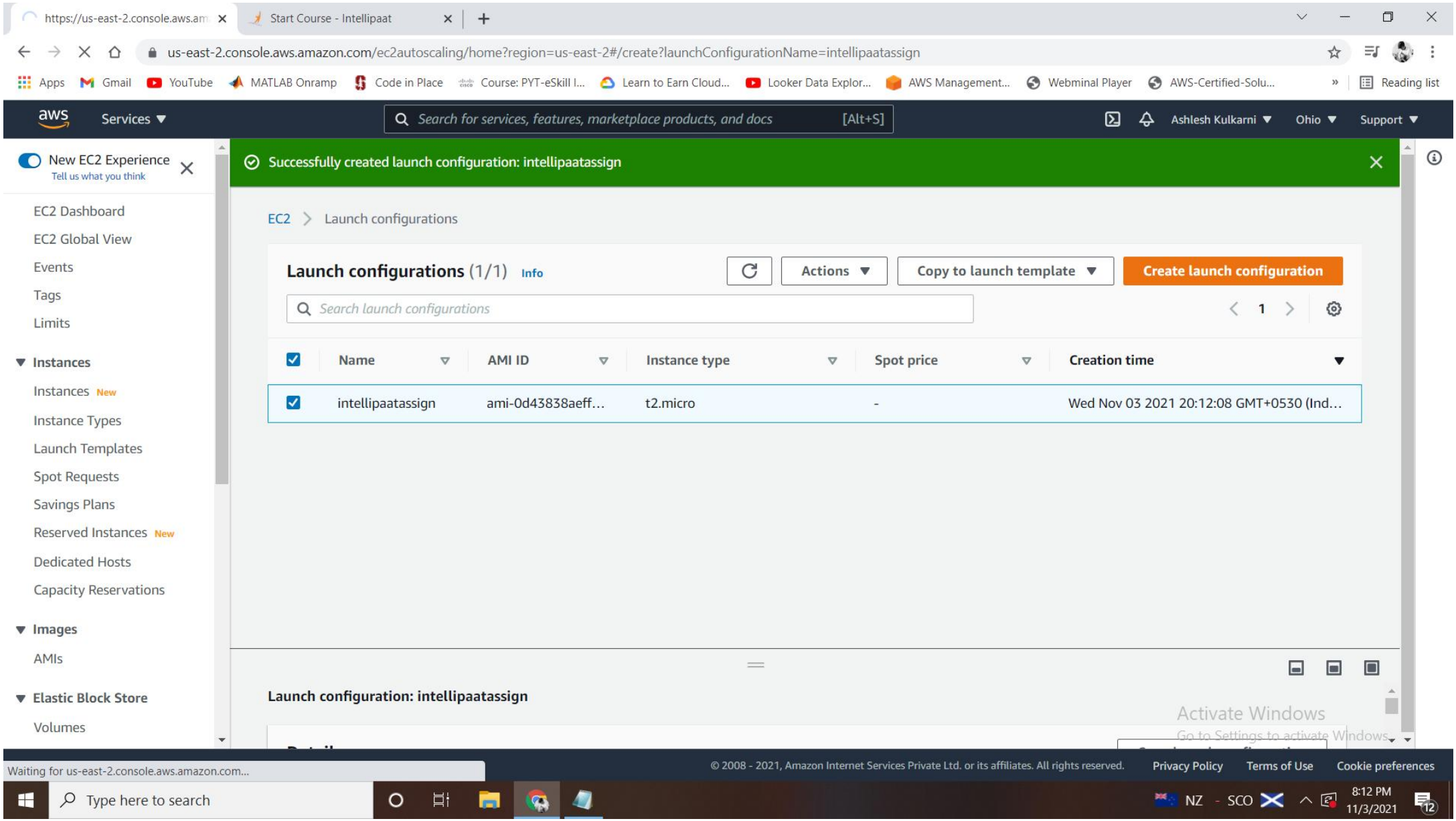
https://us-east-2.console.aws.am
Start Course - Intellipaat
us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create?launchConfigurationName=intellipaatassign
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Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs
Elastic Block Store
Volumes
Successfully created launch configuration: intellipaatassign
EC2 > Launch configurations
Launch configurations (1/1) Info
Actions
Copy to launch template
Create launch configuration
Search launch configurations
1
Name
AMI ID
Instance type
Spot price
Creation time
intellipaatassign
ami-0d43838aeff...
t2.micro
-
Wed Nov 03 2021 20:12:08 GMT+0530 (Ind...
Launch configuration: intellipaatassign
Activate Windows
Go to Settings to activate Windows.
Waiting for us-east-2.console.aws.amazon.com...
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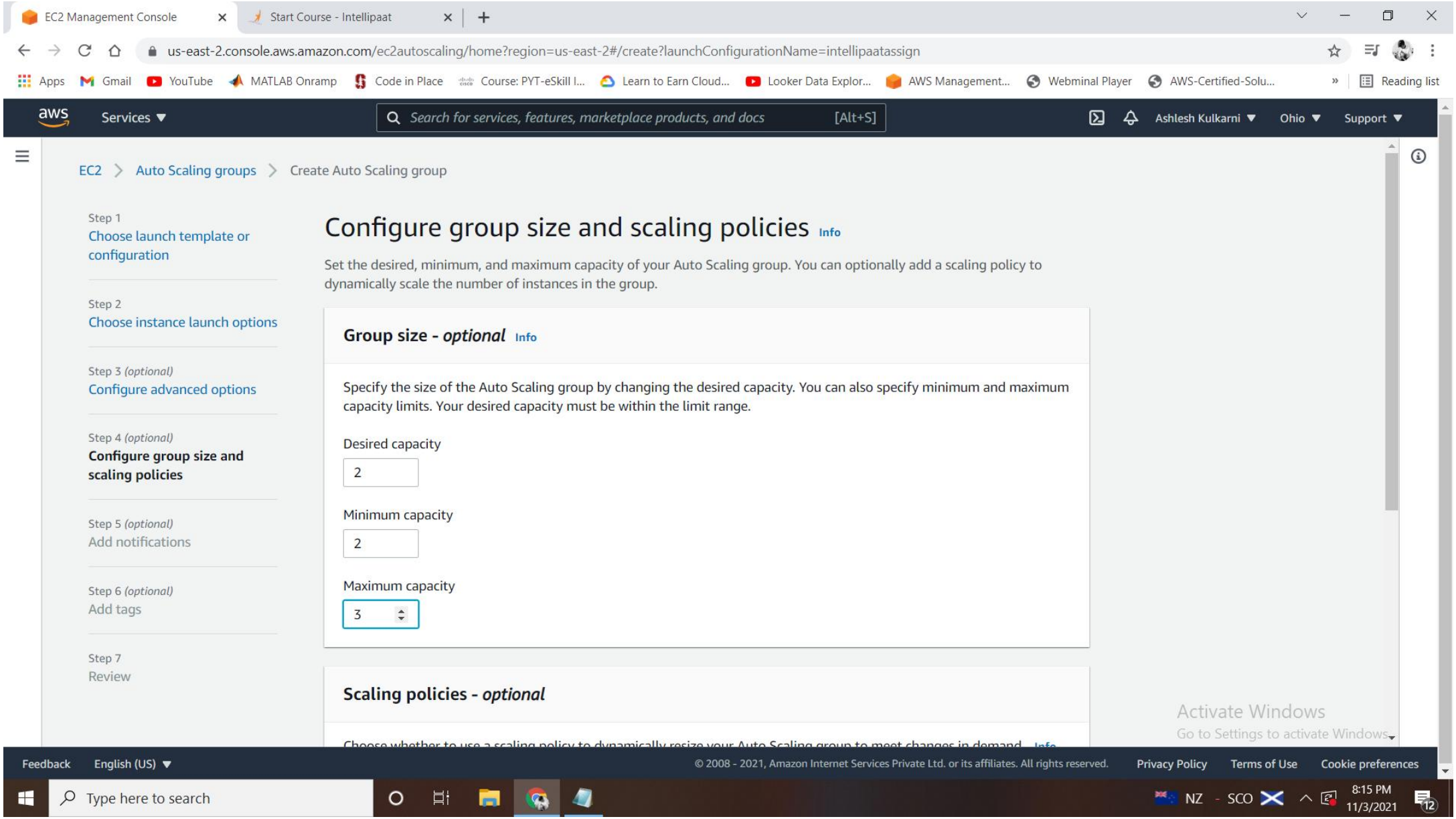
EC2 Management Console
Start Course - Intellipaat
us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create?launchConfigurationName=intellipaatassign
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Support
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template or configuration
Step 2
Choose instance launch options
Step 3 (optional)
Configure advanced options
Step 4 (optional)
Configure group size and scaling policies
Step 5 (optional)
Add notifications
Step 6 (optional)
Add tags
Step 7
Review
Configure group size and scaling policies Info
Set the desired, minimum, and maximum capacity of your Auto Scaling group. You can optionally add a scaling policy to dynamically scale the number of instances in the group.
Group size - optional Info
Specify the size of the Auto Scaling group by changing the desired capacity. You can also specify minimum and maximum capacity limits. Your desired capacity must be within the limit range.
Desired capacity
2
Minimum capacity
2
Maximum capacity
3
Scaling policies - optional
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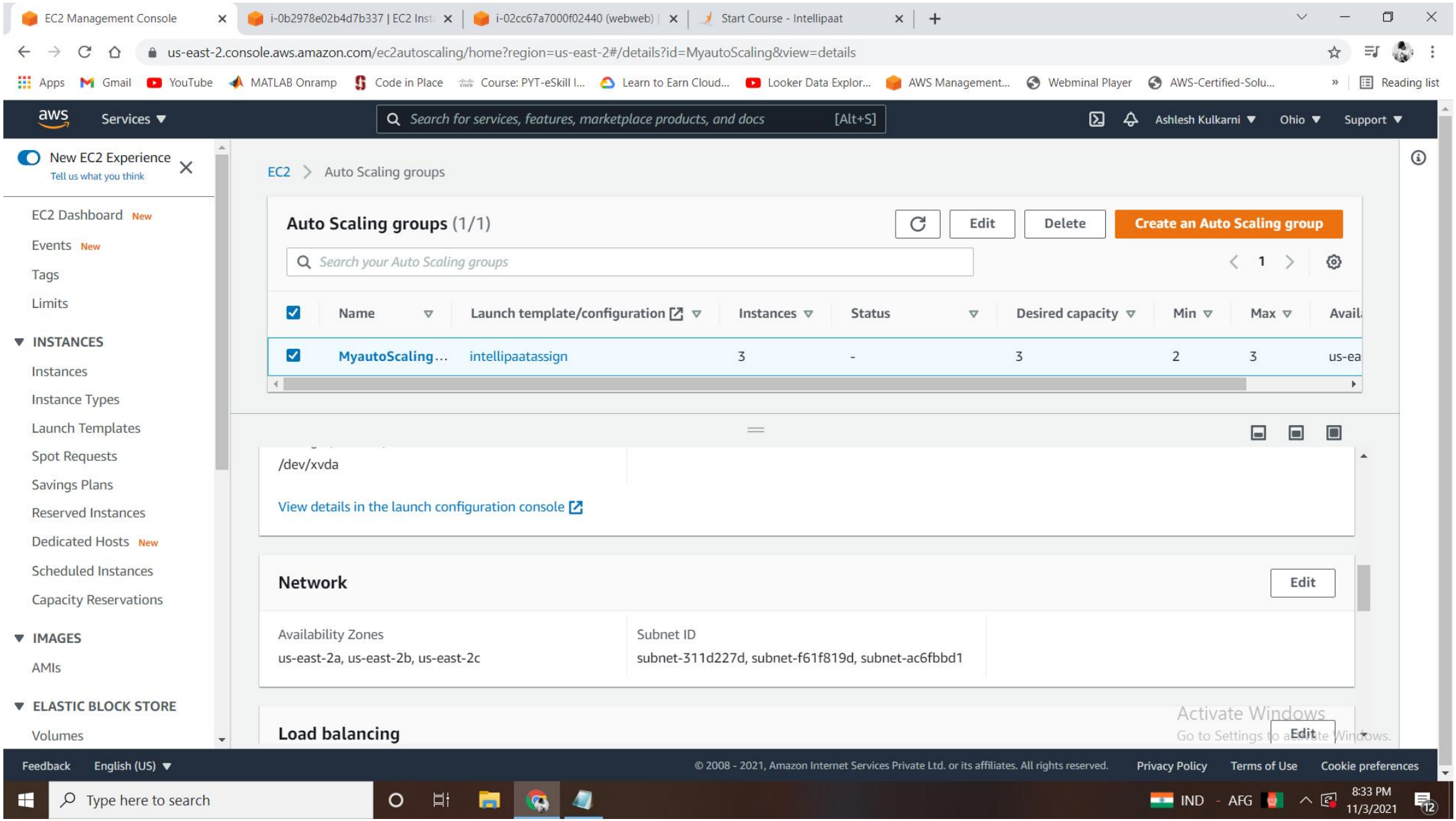
EC2 Management Console
i-0b2978e02b4d7b337 | EC2 Inst
i-02cc67a7000f02440 (webweb)
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us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details?id=MyautoScaling&view=details
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Dedicated Hosts New
Scheduled Instances
Capacity Reservations
IMAGES
AMIs
ELASTIC BLOCK STORE
Volumes
EC2 > Auto Scaling groups
Auto Scaling groups (1/1)
Edit
Delete
Create an Auto Scaling group
Search your Auto Scaling groups
1
Name
Launch template/configuration
Instances
Status
Desired capacity
Min
Max
MyautoScaling...
intellipaatassign
3
-
3
2
3
/dev/xvda
View details in the launch configuration console
Network
Edit
Availability Zones
us-east-2a, us-east-2b, us-east-2c
Subnet ID
subnet-311d227d, subnet-f61f819d, subnet-ac6fbbd1
Load balancing
Edit
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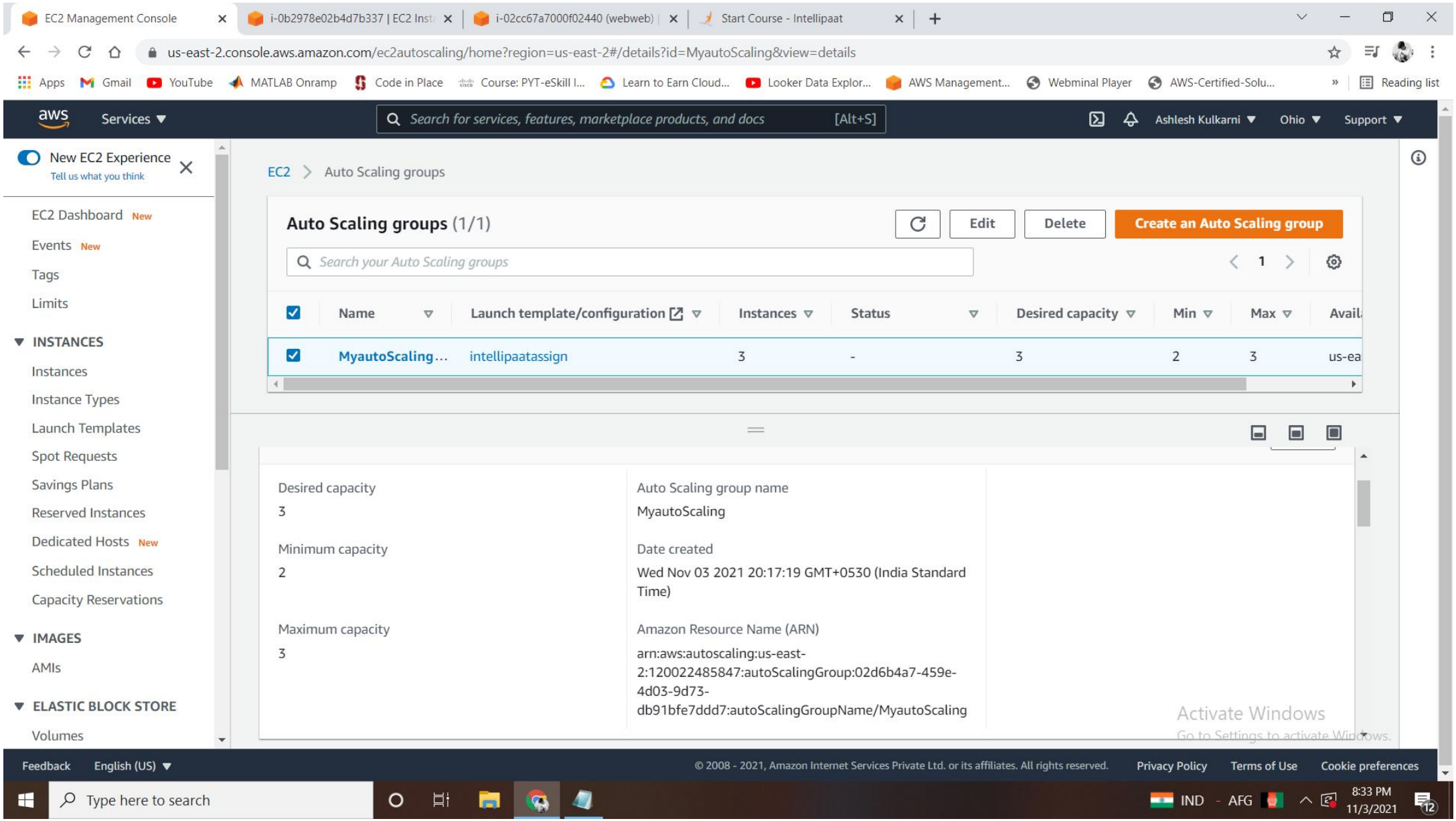
EC2 Management Console
i-0b2978e02b4d7b337 | EC2 Inst
i-02cc67a7000f02440 (webweb)
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us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details?id=MyautoScaling&view=details
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Dedicated Hosts New
Scheduled Instances
Capacity Reservations
IMAGES
AMIs
ELASTIC BLOCK STORE
Volumes
EC2 > Auto Scaling groups
Auto Scaling groups (1/1)
Edit
Delete
Create an Auto Scaling group
Search your Auto Scaling groups
1
Name
Launch template/configuration
Instances
Status
Desired capacity
Min
Max
Avail
MyautoScaling...
intellipaatassign
3
-
3
2
3
us-ea
Desired capacity
3
Minimum capacity
2
Maximum capacity
3
Auto Scaling group name
MyautoScaling
Date created
Wed Nov 03 2021 20:17:19 GMT+0530 (India Standard Time)
Amazon Resource Name (ARN)
arn:aws:autoscaling:us-east-2:120022485847:autoScalingGroup:02d6b4a7-459e-4d03-9d73-db91bfe7ddd7:autoScalingGroupName/MyautoScaling
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Module-3: Route 53 Assignment - 3

You have been asked to:

1. Use the Route 53 Hosted Zone created in the Assignment
2. Route the traffic to an EC2 instance with an Apache web server running in it using it's IP address

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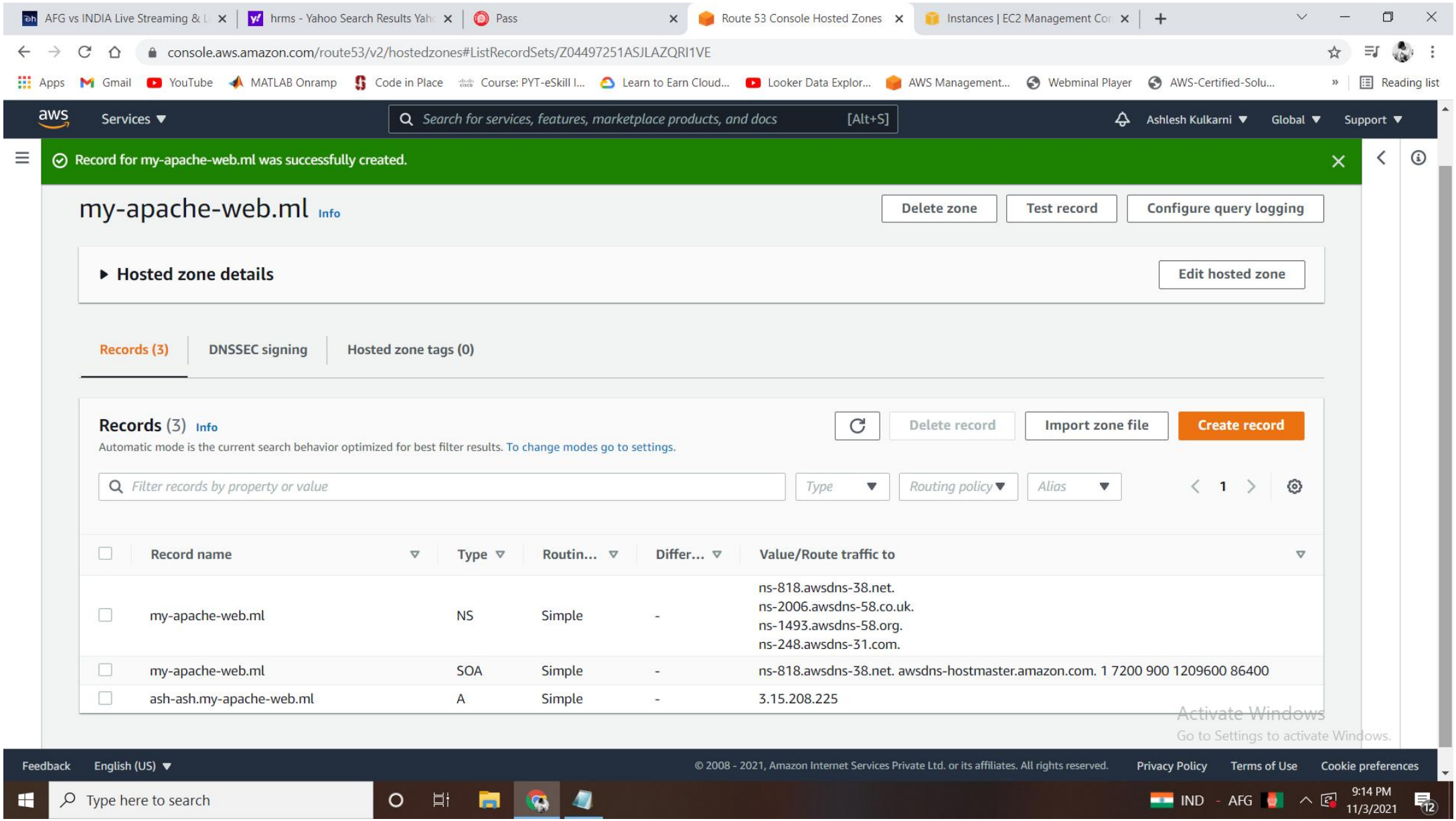
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hrms - Yahoo Search Results
Pass
Route 53 Console Hosted Zones
Instances | EC2 Management
console.aws.amazon.com/route53/v2/hostedzones#ListRecordSets/Z04497251ASJLAZQRI1VE
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Global
Support
Record for my-apache-web.ml was successfully created.
my-apache-web.ml Info
Delete zone
Test record
Configure query logging
Hosted zone details
Edit hosted zone
Records (3)
DNSSEC signing
Hosted zone tags (0)
Records (3) Info
Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.
Delete record
Import zone file
Create record
Filter records by property or value
Type
Routing policy
Alias
1
Record name
Type
Routin...
Differ...
Value/Route traffic to
my-apache-web.ml
NS
Simple
-
ns-818.awsdns-38.net.
ns-2006.awsdns-58.co.uk.
ns-1493.awsdns-58.org.
ns-248.awsdns-31.com.
my-apache-web.ml
SOA
Simple
-
ns-818.awsdns-38.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
ash-ash.my-apache-web.ml
A
Simple
-
3.15.208.225
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