

Lab 6

Task 1: Create an AMI for Auto Scaling

Currently creating AMI `ami-0fc8d52af7d97b2da` from instance `i-0283bec3adfb4e26f`. Check that the AMI status is 'Available' before deleting the instance or carrying out other actions related to this AMI.

Instances (2) [Info](#)

Find instance by attribute or tag (case-sensitive)

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IF
<input type="checkbox"/>	Bastion Host	i-017ccd460bc60aca7	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	-	44.203.229.182	-	-
<input type="checkbox"/>	Web Server 1	i-0283bec3adfb4e26f	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	-	44.200.250.200	-	-

Task 2: Create a Load Balancer

Successfully created target group: `LabGroup`

EC2 > Target groups

Target groups (1) [Info](#)

Search or filter target groups

<input type="checkbox"/>	Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
<input type="checkbox"/>	LabGroup	arn:aws:elasticloadbalanci...	80	HTTP	Instance	None associated	vpc-02fe12e36a45a16b5

Successfully created load balancer: `LabELB`

Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.

EC2 > Load balancers > LabELB > Create Application Load Balancer

Create Application Load Balancer

Suggested next steps

- Review, customize, or enable attributes for your load balancer and listeners using the **Description** and **Listeners** tabs within `LabELB`.
- Discover other services that you can integrate with your load balancer. Visit the **Integrated services** tab within `LabELB`.

[View load balancer](#)

EC2 > Load balancers

Load balancers (1)

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Filter by property or value

search: LabELB [X](#) [Clear filters](#)

<input type="checkbox"/>	Name	DNS name	State	VPC ID	Availability Zones	Type	Date created	Instance ID
<input type="checkbox"/>	LabELB	LabELB-20687850.us-east...	Provisioning	vpc-02fe12e36a45a16b5	2 Availability Zones	application	May 7, 2023, 16:02 (UTC-07:00)	-

Task 3: Create a Launch Configuration and an Auto Scaling Group

Successfully created launch configuration: LabConfig

EC2 > Launch configurations

Launch configurations (1) Info

Search launch configurations

Actions Copy to launch template Create launch configuration

	Name	AMI ID	Instance type	Spot price	Creation time
<input type="checkbox"/>	LabConfig	ami-0fc8d52af7d...	t3.micro	-	Sun May 07 2023 16:06:41 GMT-0700 (Pacific Daylight Time)

Lab Auto Scaling Group, 1 Scaling policy created successfully. Group metrics collection is enabled.

EC2 > Auto Scaling groups

Auto Scaling groups (1) Info

Search your Auto Scaling groups

Edit Delete Create an Auto Scaling group

	Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability Zones
<input type="checkbox"/>	Lab Auto Scaling Group	LabConfig	0	Updating capacity...	2	2	6	us-east-1a, us-east-1b

Task 4: Verify that Load Balancing is Working

Cloud Four x +

Not secure | labelb-20687850.us-east-1.elb.amazonaws.com

Dashboard AWS Canvas synthwave radio...

aws Load Test RDS

Meta-Data	Value
InstanceId	i-0dac0f8505c2e2f81
Availability Zone	us-east-1b

Current CPU Load: 0%

Task 5: Test Auto Scaling

Instances (5) Info											
<input type="text" value="Find instance by attribute or tag (case-sensitive)"/>											
<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IF
<input type="checkbox"/>	Bastion Host	i-017ccd460bc60aca7	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	-	44.203.229.182	-	-
<input type="checkbox"/>	Web Server 1	i-0283bec3adfb4e26f	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	-	44.200.250.200	-	-
<input type="checkbox"/>	Lab Instance	i-03bc4ad298bb3b085	Running	t3.micro	2/2 checks passed	No alarms	us-east-1a	-	-	-	-
<input type="checkbox"/>	Lab Instance	i-0792cdd520d94d9a7	Running	t3.micro	Initializing	No alarms	us-east-1a	-	-	-	-
<input type="checkbox"/>	Lab Instance	i-0dac0f8505c2e2f81	Running	t3.micro	2/2 checks passed	No alarms	us-east-1b	-	-	-	-

Task 6: Terminate Web Server 1

Successfully terminated i-0283bec3adfb4e26f											
Instances (1/5) Info											
<input type="text" value="Find instance by attribute or tag (case-sensitive)"/>											
<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IF
<input type="checkbox"/>	Bastion Host	i-017ccd460bc60aca7	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	-	44.203.229.182	-	-
<input checked="" type="checkbox"/>	Web Server 1	i-0283bec3adfb4e26f	Shutting-down	t2.micro	2/2 checks passed	No alarms	us-east-1a	-	44.200.250.200	-	-
<input type="checkbox"/>	Lab Instance	i-03bc4ad298bb3b085	Running	t3.micro	2/2 checks passed	No alarms	us-east-1a	-	-	-	-

End Lab

Region: us-east-1
Lab ID: arn:aws:cloudformation:us-east-1:897312554372:stack/c79767a166593114066934t1w897312554372/8a9bf450-ed26-11ed-ae63-0a18c8383ba3
Creation Time: 2023-05-07T15:28:51-0700
You may close this message box now. Lab resources are terminating ...