

These are my screenshots for Wk8: ACA Module 9 Guided Lab - Creating a Highly Available Environment

Screenshot 1: AWS VPC Management Console - Your VPCs (1)

The screenshot shows the AWS VPC Management Console interface. In the top navigation bar, there are four tabs: "Wk8: ACA Module 9 Guided Lab" (active), "Module 9 Guided Lab - Creating", "VPC Management Console", and "Wk8: ACA Module 9 Guided Lab". The URL in the address bar is "us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#vpcs:VpcId=vpc-021cbfc97b364d93a". The main content area displays a table titled "Your VPCs (1) Info". The table has one row with the following data:

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP o
Lab VPC	vpc-021cbfc97b364d93a	Available	10.0.0.0/16	-	dopt-OC

The sidebar on the left lists various VPC-related services: EC2 Global View, Filter by VPC, Subnets, Route tables, Internet gateways, Egress-only internet gateways, Carrier gateways, DHCP option sets, Elastic IPs, Managed prefix lists, Endpoints, Endpoint services, NAT gateways, and Peering connections.

Screenshot 2: AWS VPC Management Console - Your VPCs (1/1)

This screenshot shows the same VPC management interface, but the table now includes two rows, both of which are checked:

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP o
Lab VPC	vpc-021cbfc97b364d93a	Available	10.0.0.0/16	-	dopt-OC

The "Details" tab is selected in the bottom navigation bar. The detailed information table contains the following data:

Details			
VPC ID	vpc-021cbfc97b364d93a	State	Available
Tenancy	Default	DHCP option set	dopt-00341bb16177b5edb
Default VPC	No	IPv4 CIDR	10.0.0.0/16
Network Address Usage metrics	Disabled	Route 53 Resolver DNS Firewall rule groups	-
		DNS hostnames	Enabled
		Main route table	rtb-09e49882562bb5051
		IPv6 pool	-
		Owner ID	853394577828
		DNS resolution	Enabled
		Main network ACL	acl-08709ef78a2dd6857
		IPv6 CIDR (Network border group)	-

Wk8: ACA Module 9 Guided Lab | Module 9 Guided Lab - Creating | VPC Management Console | Wk8: ACA Module 9 Guided Lab

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#subnets;search=vpc-021cbfc97b364d93a

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Subnets (4) Info

Filter subnets search: vpc-021cbfc97b364d93a Clear filters

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
Public Subnet 1	subnet-0a4411771c911e30a	Available	vpc-021cbfc97b364d93a Lab...	10.0.0.0/24	-
Private Subnet 1	subnet-070bf861bbe67ee86	Available	vpc-021cbfc97b364d93a Lab...	10.0.2.0/23	-
Private Subnet 2	subnet-0ac102889c2d53dd9	Available	vpc-021cbfc97b364d93a Lab...	10.0.4.0/23	-
Public Subnet 2	subnet-0312e7ee9d88edc82	Available	vpc-021cbfc97b364d93a Lab...	10.0.1.0/24	-

Select a subnet

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#subnets;search=vpc-021cbfc97b364d93a

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Subnets (1/4) Info

Filter subnets search: vpc-021cbfc97b364d93a Clear filters

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
Public Subnet 1	subnet-0a4411771c911e30a	Available	vpc-021cbfc97b364d93a Lab...	10.0.0.0/24	-

subnet-0a4411771c911e30a / Public Subnet 1

Details Flow logs Route table Network ACL CIDR reservations Sharing Tags

Details

Subnet ID subnet-0a4411771c911e30a	Subnet ARN arn:aws:ec2:us-east-1:85339457782:subnet/subnet-0a4411771c911e30a	State Available	IPv4 CIDR 10.0.0.0/24
Available IPv4 addresses 249		Availability Zone us-east-1a	Availability Zone ID use1-az4
Network border group us-east-1	IPv6 CIDR -	Route table rtb-0ff6c21277763194c Public Route	Network ACL acl-08709ef78a2dd6857

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#subnets

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Subnets (1/4) Info

Filter subnets search: vpc-021cbfc97b364d93a Clear filters

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
Public Subnet 1	subnet-0a4411771c911e30a	Available	vpc-021cbfc97b364d93a Lab...	10.0.0.0/24	-

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Route table: rtb-0ff6c21277763194c / 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-08e1f870e11b72a0b

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

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#acl

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Network ACLs (1) Info

Find resources by attribute or tag VPC ID: vpc-021cbfc97b364d93a Clear filters

Name	Network ACL ID	Associated with	Default	VPC ID
-	acl-08709ef78a2dd6857	4 Subnets	Yes	vpc-021cbfc97b364d93a / Lab VPC

Select a network ACL

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#igw:search=vpc-021cbfc97b364d93a

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Internet gateways (1/1) Info

Filter internet gateways search: vpc-021cbfc97b364d93a Clear filters

Name	Internet gateway ID	State	VPC ID	Owner
Lab IG	igw-08e1f870e11b72a0b	Attached	vpc-021cbfc97b364d93a Lab VPC	853394577828

igw-08e1f870e11b72a0b / Lab IG

Details

Internet gateway ID igw-08e1f870e11b72a0b	State Attached	VPC ID vpc-021cbfc97b364d93a Lab VPC	Owner 853394577828
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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#SecurityGroups:search=vpc-021cbfc97b364d93a

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Security Groups (1/3) Info

Filter security groups search: vpc-021cbfc97b364d93a Clear filters

Name	Security group ID	Security group name	VPC ID	Description	Owner
-	sg-0530ddae6b41fb2a	default	vpc-021cbfc97b364d93a	default VPC security gr...	853394577828
Inventory-DB	sg-090c33ef88d74ad35	Inventory-DB	vpc-021cbfc97b364d93a	Enable access to MySQL	853394577828
Inventory-App	sg-061efcc7c0cfba0bb	Inventory-App	vpc-021cbfc97b364d93a	Enable access to App	853394577828

igw-08e1f870e11b72a0b / Lab IG

Details

Security group name Inventory-DB	Security group ID sg-090c33ef88d74ad35	Description Enable access to MySQL	VPC ID vpc-021cbfc97b364d93a
Owner 853394577828	Inbound rules count 1 Permission entry	Outbound rules count 1 Permission entry	

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#SecurityGroups:search=vpc-021cbfc97b364d93a

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vpc-021cbfc97b364d93a
Lab VPC
Owner: 853394577828

Virtual private cloud

- Your VPCs **New**
- Subnets
- 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**

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

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#SecurityGroups:search=vpc-021cbfc97b364d93a

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vpc-021cbfc97b364d93a
Lab VPC
Owner: 853394577828

Virtual private cloud

- Your VPCs **New**
- Subnets
- Route tables
- Internet gateways
- Egress-only internet gateways
- Carrier gateways
- DHCP option sets
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- NAT gateways
- Peering connections

Security

- Network ACLs
- Security groups**

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

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Security Groups (1/3) Info

Actions Export security groups to CSV Create security group

Filter security groups

Name	Security group ID	Security group name	VPC ID	Description	Owner
-	sg-0330ddae6b41fb2a	default	vpc-021cbfc97b364d93a	default VPC security gr...	853394577828
<input checked="" type="checkbox"/>	Inventory-DB	Inventory-DB	vpc-021cbfc97b364d93a	Enable access to MySQL	853394577828
-	sg-090c33ef88d74ad35	Inventory-App	vpc-021cbfc97b364d93a	Enable access to App	853394577828

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Inbound rules (1/1)

Actions Manage tags Edit inbound rules

Filter security group rules

Name	Security group rule...	IP version	Type	Protocol	Port range
<input checked="" type="checkbox"/>	-	IPv4	MySQL/Aurora	TCP	3306

Outbound rules (1/1)

Actions Manage tags Edit outbound rules

Filter security group rules

Name	Security group rule...	IP version	Type	Protocol	Port range
<input checked="" type="checkbox"/>	-	IPv4	All traffic	All	All

Wk8: ACA Module 9 Guided Lab - Creating | Load balancers | EC2 Management | Wk8: ACA Module 9 Guided Lab - Creating | us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard

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

Scheme **Internet-facing** Scheme can't be changed after the load balancer is created.

Internet-facing An internet-facing load balancer routes requests from clients over the internet to targets. Requires a public subnet. [Learn more](#)

Internal An internal load balancer routes requests from clients to targets using private IP addresses.

IP address type **IPv4** Select the type of IP addresses that your subnets use.

IPv4 Recommended for internal load balancers.

Dualstack Includes IPv4 and IPv6 addresses.

Network mapping Info The load balancer routes traffic to targets in the selected subnets, and in accordance with your IP address settings.

VPC **Lab VPC** Select the virtual private cloud (VPC) for your targets or you can [create a new VPC](#). Only VPCs with an internet gateway are enabled for selection. The selected VPC can't be changed after the load balancer is created. To confirm the VPC for your targets, view your [target groups](#).

Lab VPC
vpc-021cbfc97b364d93a
IPv4: 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.

us-east-1a (use1-az4)
Subnet: subnet-0a4411771c911e30a Public Subnet 1
IPv4 address: Assigned by AWS

us-east-1b (use1-az6)

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Lab VPC
vpc-021cbfc97b364d93a
IPv4: 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.

us-east-1a (use1-az4)
Subnet: subnet-0a4411771c911e30a Public Subnet 1
IPv4 address: Assigned by AWS

us-east-1b (use1-az6)

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Lab VPC
vpc-021cbfc97b364d93a
IPv4: 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.

us-east-1a (use1-az4)

Subnet: subnet-0a4411771c911e30a Public Subnet 1

IPv4 address: Assigned by AWS

us-east-1b (use1-az6)

Subnet: subnet-0312e7ee9d88edc82 Public Subnet 2

IPv4 address: Assigned by AWS

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Security group name [Info](#)
Inventory-LB
Name cannot be edited after creation.

Description [Info](#)
Enable web access to load balancer

VPC [Info](#)
vpc-021cbfc97b364d93a

Inbound rules [Info](#)

Type	Protocol	Port range	Source	Description - optional
HTTP	TCP	80	Anywhere	0.0.0.0/0
HTTPS	TCP	443	Anywhere	0.0.0.0/0

Add rule

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SecurityGroup:groupId=sg-01ca8fa2fa03e0d50

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Search [Alt+S] Actions ▾

EC2 > Security Groups > sg-01ca8fa2fa03e0d50 - Inventory-LB

sg-01ca8fa2fa03e0d50 - Inventory-LB

Details

Security group name	Inventory-LB	Security group ID	sg-01ca8fa2fa03e0d50	Description	Enable web access to load balancer
Owner	853394577828	Inbound rules count	2 Permission entries	Outbound rules count	1 Permission entry

Inbound rules Outbound rules Tags

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Inbound rules (2)

C Manage tags Edit inbound rules

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#createTargetGroup:protocol=HTTP:vpc=vpc-021cbfc97b364d93a

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Traffic port Override

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

2 2-10

Unhealthy threshold The number of consecutive health check failures required before considering a target unhealthy.

2 2-10

Timeout The amount of time, in seconds, during which no response means a failed health check.

5 seconds 2-120

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

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Successfully created target group: Inventory-App

EC2 > Target groups

Target groups (1) Info

Find resources by attribute or tag

Name	ARN	Port	Protocol	Target type	Load balancer
Inventory-App	arn:aws:elasticloadbalanc...	80	HTTP	Instance	(None associated)

0 target groups selected

Select a target group above.

Listener HTTP:80

Protocol: HTTP Port: 80 Default action: Inventory-App (Info)

Forward to: Inventory-App 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

Add-on services - optional

Additional AWS services can be integrated with this load balancer at launch. You can also add these and other services after your load balancer is created by reviewing the "Integrated Services" tab for the selected load balancer.

AWS Global Accelerator (Info)

Create an accelerator to get static IP addresses and improve the performance and availability of your applications. Additional charges apply

The screenshot shows the AWS EC2 Management Console. A success message at the top states: "Successfully created load balancer: Inventory-LB". Below it, a note says: "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." The URL in the address bar is: us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateLBWizardSuccess:loadBalancerArn=arn:aws:elasticloadbalancing:us-east-1:853394577828:loadbalancer/app/Inventory-LB.

The screenshot shows the AWS EC2 Management Console. The title is "Create image" for instance "i-08dbe65c5af7bf906". The "Info" tab is selected. A note below the title says: "An image (also referred to as an AMI) defines the programs and settings that are applied when you launch an EC2 instance. You can create an image from the configuration of an existing instance." The "Image name" field is set to "Web Server AMI". The "Image description - optional" field contains "Lab AMI for Web Server". Under "Instance volumes", there is one EBS volume listed: "Volume type: EBS General Purpose S.", "Size: 8", "Throughput: 100", and checkboxes for "Delete on termination" (checked) and "Encrypted" (unchecked). The URL in the address bar is: us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateImage:instanceId=i-08dbe65c5af7bf906

Wk8: ACA Module 9 Guided Lab | Module 9 Guided Lab - Creating | Instances | EC2 Management Co... | Wk8: ACA Module 9 Guided Lab | +

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

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Currently creating AMI ami-01144df334b3877aa from instance i-08dbe65c5af7bf906. Check that the AMI status is 'Available' before deleting the instance or carrying out other actions related to this AMI.

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Search [Alt+S] Connect Instance state Actions Launch instances

Instances (1) info Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Web Server 1	i-08dbe65c5af7bf906	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	ec2-18-212-225-

Select an instance

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

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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-061efcc7c0cfba0bb X VPC: vpc-021bcf97b364d93a

Compare security group rules Advanced network configuration

Storage (volumes) Info

EBS Volumes Hide details

Software Image (AMI)

Lab AMI for Web Server ami-01144df334b3877aa

Virtual server type (instance type)

t2.micro

Firewall (security group)

Inventory-App

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per

Create launch template

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Wk8: ACA Module 9 Guided Lab | Module 9 Guided Lab - Creating | Create launch template | Wk8: ACA Module 9 Guided Lab | +

← → ⌂ 🔍 us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateTemplate:

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aws Services Search [Alt+S] N. Virginia v vclabs/user2555392=104177513@student.swin.edu.au @ 8533-9457...

EC2 > Launch templates > Create launch template

Success
Successfully created Inventory-LT (lt-0cfb02c54f6128071)

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 demand for Spot Instances. Spot instances are well-suited for data-analysis, batch jobs, background processing, and optional tasks.

Create Spot Fleet

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Wk8: ACA Module 9 Guided Lab | Create Auto Scaling group | EC2 | Module 9 Guided Lab - Creating | Wk8: ACA Module 9 Guided Lab | +

← → ⌂ 🔍 us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:launchTemplateId=lt-0cfb02c54f6128071

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aws Services Search [Alt+S] N. Virginia v vclabs/user2555392=104177513@student.swin.edu.au @ 8533-9457...

CHOOSE INSTANCE LAUNCH OPTIONS info

Choose the VPC network environment that your instances are launched into, and customize the instance types and purchase options.

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.

VPC
Choose the VPC that defines the virtual network for your Auto Scaling group.

vpc-021cf97b364d93a (Lab 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 info

us-east-1a | subnet-070bf861bbe67ee86 (Private Subnet 1) 10.0.2.0/23

us-east-1b | subnet-0312e7ee9d88edc82 (Public Subnet 2) 10.0.1.0/24

Create a subnet

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Wk8: ACA Module 9 Guided Lab | **Module 9 Guided Lab - Creating** | **Create Auto Scaling group | EC2** | **Wk8: ACA Module 9 Guided Lab**

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:launchTemplateId=lt-0cfb02c54f6128071

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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

Load balancing [Info] [Alt+S]

Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.

No load balancer
Traffic to your Auto Scaling group will not be fronted by a load balancer.

Attach to an existing load balancer
Choose from your existing load balancers.

Attach to a new load balancer
Quickly create a basic load balancer to attach to your Auto Scaling group.

Attach to an existing load balancer

Select the load balancers that you want to attach to your Auto Scaling group.

Choose from your load balancer target groups
This option allows you to attach Application, Network, or Gateway Load Balancers.

Choose from Classic Load Balancers

Existing load balancer target groups

Only instance target groups that belong to the same VPC as your Auto Scaling group are available for selection.

Select target groups

Inventory-App | HTTP X

Application Load Balancer: Inventory-LB

VPC Lattice integration options [Info]

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CloudSearch Search

ENG 10:05 01/07/2023

EC2 Health Checks

Always enabled

Additional health check types - optional [Info]

Turn on Elastic Load Balancing health checks **Recommended**
Elastic Load Balancing monitors whether instances are available to handle requests. When it reports an unhealthy instance, EC2 Auto Scaling can replace it on its next periodic check.

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.

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

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Nắng rái rác 32°C 10:06 01/07/2023

Wk8: ACA Module 9 Guided Lab | Module 9 Guided Lab - Creating | Create Auto Scaling group | EC2 | Wk8: ACA Module 9 Guided Lab

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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

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: 2

Scaling policies - optional

Choose whether to use a scaling policy to dynamically resize your Auto Scaling group to meet changes in demand. [Info](#)

Target tracking scaling policy
Choose a desired outcome and leave it to the scaling policy to add and remove capacity as needed to achieve that outcome.

None

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Wk8: ACA Module 9 Guided Lab | Module 9 Guided Lab - Creating | Create Auto Scaling group | EC2 | Wk8: ACA Module 9 Guided Lab

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aws Services Search [Alt+S]

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 policies

Step 5 - optional Add notifications

Step 6 - optional Add tags

Step 7 Review

Add tags - optional [Info](#)

Add tags to help you search, filter, and track your Auto Scaling group across AWS. You can also choose to automatically add these tags to instances when they are launched.

Tags (1)

Key: Name Value - optional: Inventory-App Tag new instances: Remove Add tag 49 remaining

Cancel Previous Next

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Wk8: ACA Module 9 Guided Lab - Creating | Auto Scaling groups | EC2 Management Console | Wk8: ACA Module 9 Guided Lab

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

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Inventory-ASG created successfully. Group metrics collection is enabled.

EC2 > Auto Scaling groups

Auto Scaling groups (1) [Info](#)

Search your Auto Scaling groups

Name Launch template/configuration Instances Status Desired capacity Min Max Available...

Inventory-ASG Inventory-LT Version Default 2 - 2 2 2 us-east-1, ...

0 Auto Scaling groups selected

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Wk8: ACA Module 9 Guided Lab - Creating | EC2 Management Console | Wk8: ACA Module 9 Guided Lab

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ModifyInboundSecurityGroupRules:securityGroupId=sg-061efcc7c0cfba0bb

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aws Services Search [Alt+S] N. Virginia voclabs/user2555392=104177513@student.swin.edu.au @ 8533-9457...

EC2 > Security Groups > sg-061efcc7c0cfba0bb - 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	Traffic from load balancer sg-01ca8fa2fa03e0d50

Add rule Cancel Preview changes Save rules

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Wk8: ACA Module 9 Guided Lab - Creating | EC2 Management Console | Wk8: ACA Module 9 Guided Lab - Creating

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

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AWS Services Search N. Virginia v ocabs/user2555392=104177513@student.swin.edu.au @ 8533-9457...

New EC2 Experience Tell us what you think

Inbound security group rules successfully modified on security group (sg-061efcc7c0cfba0bb | Inventory-App)

Details

Security Groups (1/5) Info

Name Security group ID Security group name VPC ID Description Owner

Inventory-DB	sg-090c33ef88d74ad35	Inventory-DB	vpc-021cbfc97b364d93a	Enable access to MySQL	853394577828
Inventory-App	sg-061efcc7c0cfba0bb	Inventory-App	vpc-021cbfc97b364d93a	Enable access to App	853394577828
-	sg-01ca8fa2fa03e0d50	Inventory-LB	vpc-021cbfc97b364d93a	Enable web access to l...	853394577828

sg-061efcc7c0cfba0bb - Inventory-App

Details Inbound rules Outbound rules Tags

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Inbound rules (1/1) Info

Filter security group rules

Manage tags Edit inbound rules

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Wk8: ACA Module 9 Guided Lab - Creating | EC2 Management Console | Wk8: ACA Module 9 Guided Lab - Creating

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ModifyInboundSecurityGroupRules:securityGroupId=sg-090c33ef88d74ad35

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AWS Services Search N. Virginia v ocabs/user2555392=104177513@student.swin.edu.au @ 8533-9457...

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
-	MySQL/Aurora	TCP	3306	Custom	Traffic from application server sg-061efcc7c0cfba0bb X

Add rule Cancel Preview changes Save rules

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Wk8: ACA Module 9 Guided Lab | Module 9 Guided Lab - Creating | EC2 Management Console | Wk8: ACA Module 9 Guided Lab | +

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

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Inbound security group rules successfully modified on security group (sg-090c33ef88d74ad35 | Inventory-DB)

Details

Security Groups (1/5) Info

Filter security groups

Name	Security group ID	Security group name	VPC ID	Description	Owner
Inventory-DB	sg-090c33ef88d74ad35	Inventory-DB	vpc-021cbfc97b364d93a	Enable access to MySQL	853394577828
-	sg-0ebaee8b35e2bf14	default	vpc-0d402b7e376f0367d	default VPC security gr...	853394577828
-	sg-0330ddeae6b41fb2a	default	vpc-021cbfc97b364d93a	default VPC security gr...	853394577828

sg-090c33ef88d74ad35 - Inventory-DB

Details Inbound rules Outbound rules Tags

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Inbound rules (1/1)

Filter security group rules

EC2 > Target groups

Target groups (1/1) Info

Find resources by attribute or tag

Name	ARN	Port	Protocol	Target type	Load balancer
Inventory-App	arn:aws:elasticloadbalancing:us-east-1:396009542:targetgroup/Inventory-App/1060e49df34dea642f	80	HTTP	Instance	Inventory-LB

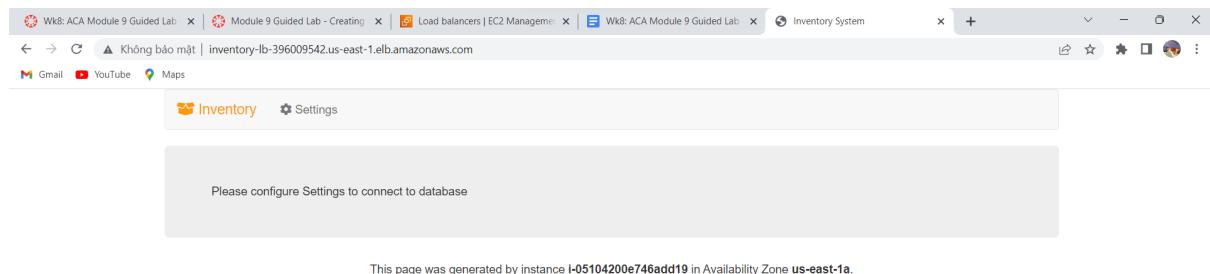
Target group: Inventory-App

Registered targets (2)

Filter resources by property or value

Instance ID	Name	Port	Zone	Health status	Health status details
i-060e49df34dea642f	Inventory-App	80	us-east-1b	healthy	
i-05104200e746ad...	Inventory-App	80	us-east-1a	healthy	

Inventory-LB-396009542.us-east-1.elb.amazonaws.com



The screenshot shows a browser window with multiple tabs open. The active tab is titled 'EC2 Management Console'. A green notification bar at the top says 'Successfully terminated i-08dbe65c5af7bf906'. Below this, the 'Instances' section lists three instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Web Server 1	i-08dbe65c5af7bf906	Shutting-down	t2.micro	-	-	us-east-1a	ec2-18-212-223-
Inventory-App	i-05104200e746add19	Running	t2.micro	-	-	us-east-1a	-
Inventory-App	i-060e49df34dea642f	Running	t2.micro	-	-	us-east-1b	ec2-54-86-160-7

Below the table, a modal window titled 'Select an instance' is open.

Successfully terminated i-05104200e746add19

Instances (1/3) [Info](#)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Web Server 1	i-08dbe65c5af7bf906	Terminated	t2.micro	-	No alarms	us-east-1a	-
Inventory-App	i-05104200e746add19	Shutting-down	t2.micro	2/2 checks passed	No alarms	us-east-1a	-
Inventory-App	i-060e49df34dea642f	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-54-86-160-7

Instance: i-05104200e746add19 (Inventory-App)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary [Info](#)

Instance ID i-05104200e746add19 (Inventory-App)	Public IPv4 address -	Private IPv4 addresses 10.0.2.197
IPv6 address -	Instance state Shutting-down	Public IPv4 DNS -
Hostname type -	Private IP DNS name (IPv4 only) -	

The screenshot shows the AWS EC2 Management Console interface. At the top, there are several browser tabs: 'Wk8: ACA Module 9 Guided Lab', 'Module 9 Guided Lab - Creating', 'EC2 Management Console', 'Wk8: ACA Module 9 Guided Lab', and '504 Gateway Time-out'. Below the tabs, the AWS logo and 'Services' button are visible, along with a search bar and a 'New EC2 Experience' button.

The main content area displays a success message: 'Successfully terminated i-05104200e746add19'. Below this, the 'Instances (4)' section is shown with the following table:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Web Server 1	i-08dbe65c5af7bf906	Terminated	t2.micro	-	No alarms	us-east-1a	-
Inventory-App	i-028906dc9fd3fd50a	Running	t2.micro	Initializing	No alarms	us-east-1a	-
Inventory-App	i-05104200e746add19	Terminated	t2.micro	-	No alarms	us-east-1a	-
Inventory-App	i-060e49df34dea642f	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-54-86-160-7

Below the table, a modal window titled 'Select an instance' is open, indicating that an instance has been successfully terminated.