Lab4

Question1:

Lab4task1

Details | Activity | Automatic scaling | Instance management | Monitoring | Instance refresh

Group details   Edit

Desired capacity	Auto Scaling group name
2	Lab4task1

Minimum capacity	Date created
1	Wed Dec 28 2022 23:41:21 GMT+0200 (Eastern European Standard Time)

Maximum capacity	Amazon Resource Name (ARN)
3	arn:aws:autoscaling:us-east-1:251794183164:autoScalingGroup:732dfc63-859a-428c-987c-248475b70621:autoScalingGroupName/Lab4task1

Launch template   Edit

Launch template	AMI ID	Instance type
LAB4task4 ⧉	ami-0b5eea76982371e91	t2.micro
lt-0ef86ac9f767606ed		
	Security groups	Security group IDs
Version	-	-
Default		

Lab4task1

Details | Activity | Automatic scaling | Instance management | Monitoring | Instance refresh

Activity notifications (0)   ↻   Actions ▾   Create notification

🔍 Filter notifications   ‹ 1 › ⚙

☐	Send to	▾	On instance action	▾

No notifications are currently specified

Create notification

Activity history (2)   ↻

🔍 Filter activity history   ‹ 1 › ⚙

Status ▽	Description ▽	Cause ▽	Start time ▾	End time ▽
Successful	Launching a new EC2 instance: i-022bac6739ef62a7e	At 2022-12-28T21:41:21Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 2. At 2022-12-28T21:41:34Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 2.	2022 December 28, 11:41:36 PM +02:00	2022 December 28, 11:42:09 PM +02:00
Successful	Launching a new EC2 instance: i-0a60457d15e4ddfb6	At 2022-12-28T21:41:21Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 2. At 2022-12-28T21:41:34Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 2.	2022 December 28, 11:41:36 PM +02:00	2022 December 28, 11:42:09 PM +02:00

Target groups (1/2) Info

🔍 Search or filter target groups

■	Name ▽	ARN ▽	Port ▽	Protocol ▽	Target type ▽	Load balance
☑	TG1	🗐 arn:aws:elasticloadbalancin…	80	HTTP	Instance	ALB
☐	TG2	🗐 arn:aws:elasticloadbalancin…	80	TCP	Instance	NLB

＝

Target group: TG1

Details | **Targets** | Monitoring | Health checks | Attributes | Tags

Registered targets (2)

🔍 Filter resources by property or value

☐	Instance ID ▽	Name ▽	Port ▽	Zone ▽	Health status ▽	Health status detail
☐	i-05b35604df9fecab0	prox1	80	us-east-1a	⊘ healthy	
☐	i-03907da9d63b06a0e	prox2	80	us-east-1b	⊘ healthy	

Target groups (1/2) Info

🔍 Search or filter target groups

■	Name ▽	ARN ▽	Port ▽	Protocol ▽	Target type ▽	Load balancer
☐	TG1	🗐 arn:aws:elasticloadbalancin…	80	HTTP	Instance	ALB
☑	TG2	🗐 arn:aws:elasticloadbalancin…	80	TCP	Instance	NLB

＝

Target group: TG2

Details | **Targets** | Monitoring | Health checks | Attributes | Tags

Registered targets (4)

🔍 Filter resources by property or value

☐	Instance ID ▽	Name ▽	Port ▽	Zone ▽	Health status ▽	Health status details
☐	i-022bac6739ef62a7e		80	us-east-1a	⊘ healthy	
☐	i-0a60457d15e4ddfb6		80	us-east-1b	⊘ healthy	

Instance summary for i-022bac6739ef62a7e Info
Updated less than a minute ago

[↻] [Connect] [Instance state ▼] [Actions ▼]

Instance ID
📋 i-022bac6739ef62a7e

Public IPv4 address
–

Private IPv4 addresses
📋 10.0.1.37

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
–

Hostname type
IP name: ip-10-0-1-37.ec2.internal

Private IP DNS name (IPv4 only)
📋 ip-10-0-1-37.ec2.internal

Answer private resource DNS name
–

Instance type
t2.micro

Elastic IP addresses
–

Auto-assigned IP address
–

VPC ID
📋 vpc-03fbe3240c97e4e53 (Marwan Aly-vpc) 🔗

AWS Compute Optimizer finding
ⓘ Opt-in to AWS Compute Optimizer for recommendations
Learn more 🔗

IAM Role
–

Subnet ID
📋 subnet-0532924adefb693de (lab2part2private) 🔗

Auto Scaling Group name
Lab4task1

| **Details** | Security | Networking | Storage | Status checks | Monitoring | Tags |

▼ Instance details Info

Platform
📋 Amazon Linux (Inferred)

AMI ID
📋 ami-0b5eea76982371e91

Monitoring
disabled

Platform details
📋 Linux/UNIX

AMI name
📋 amzn2-ami-kernel-5.10-hvm-2.0.20221210.1-x86_64-gp2

Termination protection
Disabled

Instance summary for i-0a60457d15e4ddfb6 Info
Updated less than a minute ago

[↻] [Connect] [Instance state ▼]

Instance ID
📋 i-0a60457d15e4ddfb6

Public IPv4 address
–

Private IPv4 addresses
📋 10.0.3.42

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
–

Hostname type
IP name: ip-10-0-3-42.ec2.internal

Private IP DNS name (IPv4 only)
📋 ip-10-0-3-42.ec2.internal

Answer private resource DNS name
–

Instance type
t2.micro

Elastic IP addresses
–

Auto-assigned IP address
–

VPC ID
📋 vpc-03fbe3240c97e4e53 (Marwan Aly-vpc) 🔗

AWS Compute Optimizer finding
ⓘ Opt-in to AWS Compute Optimizer for rec
Learn more 🔗

IAM Role
–

Subnet ID
📋 subnet-017a8346ec25a862d (lab3task2privatezone2) 🔗

Auto Scaling Group name
Lab4task1

| **Details** | Security | Networking | Storage | Status checks | Monitoring | Tags |

▼ Instance details Info

Platform
📋 Amazon Linux (Inferred)

AMI ID
📋 ami-0b5eea76982371e91

Monitoring
disabled

Platform details
📋 Linux/UNIX

AMI name
📋 amzn2-ami-kernel-5.10-hvm-2.0.20221210.1-x86_64-gp2

Termination protection
Disabled

Stop protection

Launch time

AMI location

| Route tables | VPC ✕ | EC2 Management ✕ | Target groups | EC2 ✕ | EC2 Instance Conn ✕ | Billing Managemer ✕ | alb-355216149.us- ✕ | + |

← → C ⚠ Not secure alb-355216149.us-east-1.elb.amazonaws.com

"Hello World from ip-10-0-1-37.ec2.internal"

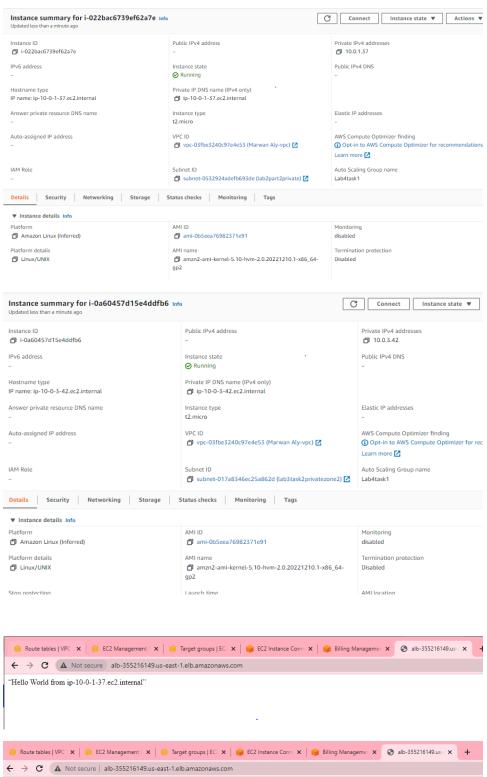| Route tables | VPC ✕ | EC2 Management ✕ | Target groups | EC2 ✕ | EC2 Instance Conn ✕ | Billing Managemer ✕ | alb-355216149.us- ✕ | + |

← → C ⚠ Not secure alb-355216149.us-east-1.elb.amazonaws.com

"Hello World from ip-10-0-3-42.ec2.internal"

Question2:

EC2 > Instances > i-06bf68683e65e8625 > Edit user data

Edit user data Info

Instance ID
📋 i-06bf68683e65e8625 (BE WS)

Current user data
User data currently associated with this instance

```
#!/bin/bash
sudo yum update -y
sudo yum install -y httpd.x86_64
sudo systemctl start httpd.service
sudo systemctl enable httpd.service
sudo aws s3 cp s3://lab4task2/lab4task2/index.html /var/www/html/
```

EC2 > Instances > i-06bf68683e65e8625 > Get system log

Get system log Info
When you experience issues with your EC2 instance, reviewing system logs can help you pinpoint the cause.

System log
Review system log for instance i-06bf68683e65e8625 as of Thu Dec 29 2022 16:18:19 GMT+0200 (Eastern European Standard Time)

🔄 | 📋 Copy log | 💾 Download

```
[  26.742349] cloud-init[3238]: Verifying   : apr-1.7.0-9.amzn2.x86_64                                    9/9
[  26.752646] cloud-init[3238]: Installed:
[  26.763945] cloud-init[3238]: httpd.x86_64 0:2.4.54-1.amzn2
[  26.783991] cloud-init[3238]: Dependency Installed:
[  26.799845] cloud-init[3238]: apr.x86_64 0:1.7.0-9.amzn2
[  26.807590] cloud-init[3238]: apr-util.x86_64 0:1.6.1-5.amzn2.0.2
[  26.815600] cloud-init[3238]: apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
[  26.827597] cloud-init[3238]: generic-logos-httpd.noarch 0:18.0.0-4.amzn2
[  26.839597] cloud-init[3238]: httpd-filesystem.noarch 0:2.4.54-1.amzn2
[  26.842818] cloud-init[3238]: httpd-tools.x86_64 0:2.4.54-1.amzn2
[  26.855468] cloud-init[3238]: mailcap.noarch 0:2.1.41-2.amzn2
[  26.859831] cloud-init[3238]: mod_http2.x86_64 0:1.15.19-1.amzn2.0.1
[  26.875939] cloud-init[3238]: Complete!
[  27.522878] xfs filesystem being remounted at /tmp supports timestamps until 2038 (0x7fffffff)
[  27.533009] xfs filesystem being remounted at /var/tmp supports timestamps until 2038 (0x7fffffff)
[  27.028115] cloud-init[3238]: Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[  28.446999] cloud-init[3238]: Completed 144 Bytes/144 Bytes (2.3 KiB/s) with 1 file(s) remainingdownload: s3://lab4task2/lab4task2/index.html to var/www/html/index.html
[  30.223356] xfs filesystem being remounted at /tmp supports timestamps until 2038 (0x7fffffff)
[  30.254470] xfs filesystem being remounted at /var/tmp supports timestamps until 2038 (0x7fffffff)
```

Instance summary for i-06bf68683e65e8625 (BE WS) Info
Updated less than a minute ago

🔄 | Connect | Instance state ▼ | Actions ▼

Instance ID 📋 i-06bf68683e65e8625 (BE WS)	**Public IPv4 address** –	**Private IPv4 addresses** 📋 10.0.1.138
IPv6 address –	**Instance state** ⊘ Running	**Public IPv4 DNS** –
Hostname type IP name: ip-10-0-1-138.ec2.internal	**Private IP DNS name (IPv4 only)** 📋 ip-10-0-1-138.ec2.internal	
Answer private resource DNS name IPv4 (A)	**Instance type** t2.micro	**Elastic IP addresses** –
Auto-assigned IP address –	**VPC ID** 📋 vpc-03fbe3240c97e4e53 (Marwan Aly-vpc) 🔗	**AWS Compute Optimizer finding** ⓘ Opt-in to AWS Compute Optimizer for recommendations. | Learn more 🔗
IAM Role 📋 lab4task2 🔗	**Subnet ID** 📋 subnet-0532924adefb693de (lab2part2private) 🔗	**Auto Scaling Group name** –

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

▼ Instance details Info

Platform 📋 Amazon Linux (Inferred)	**AMI ID** 📋 ami-0b5eea76982371e91	**Monitoring** disabled
Platform details 📋 Linux/UNIX	**AMI name** 📋 amzn2-ami-kernel-5.10-hvm-2.0.20221210.1-x86_64-gp2	**Termination protection** Disabled

lab4task2

Delete

Allows EC2 instances to call AWS services on your behalf.

Summary

.

Edit

Creation date
December 29, 2022, 13:33 (UTC+02:00)

ARN
📋 arn:aws:iam::251794183164:role/lab4task2

Instance profile ARN
📋 arn:aws:iam::251794183164:instance-profile/lab4task2

Last activity
✓ 49 minutes ago

Maximum session duration
1 hour

| Permissions | Trust relationships | Tags | Access Advisor | Revoke sessions |

Permissions policies (1) Info
You can attach up to 10 managed policies.

🔄 | Simulate | Remove | Add permissions ▼

🔍 Filter policies by property or policy name and press enter.

< 1 > ⚙️

	Policy name 🔗	▽	Type	▽	Description
☐	⊞ 🟧 AmazonS3FullAccess		AWS managed		Provides full access to all buckets via t...

Amazon S3 > Buckets > lab4task2 > lab4task2/

lab4task2/

📋 Copy S3 UR

| Objects | Properties |

.

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🔗 to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more 🔗

🔄 | 📋 Copy S3 URI | 📋 Copy URL | ⬇️ Download | Open 🔗 | Delete | Actions ▼

Create folder | 🔼 Upload

🔍 Find objects by prefix

⚪ Show versions

< 1 > ⚙️

	Name ▲	Type ▽	Last modified ▽	Size ▽	Storage class ▽
☐	📄 index.html	html	December 29, 2022, 15:51:16 (UTC+02:00)	144.0 B	Standard