

LAB3 AWS

1-

```
ubuntu@ip-10-0-1-52:~$ exit
logout
Connection to 10.0.1.52 closed.
ubuntu@ip-10-0-0-221:~$ exit
logout
Connection to 44.212.44.32 closed.
[maly@localhost Downloads]$
```

EC2 > Instances > i-09f7e550a7fa708f6

Instance summary for i-09f7e550a7fa708f6 (lab3task1) Info

Connect

Instance state ▼

Actions ▼

Updated less than a minute ago

Instance ID
i-09f7e550a7fa708f6 (lab3task1)

IPv6 address
-

Hostname type
IP name: ip-10-0-0-221.ec2.internal

Answer private resource DNS name
IPv4 (A)

Auto-assigned IP address
44.212.44.32 [Public IP]

IAM Role
-

Public IPv4 address
44.212.44.32 | open address

Instance state
Running

Private IP DNS name (IPv4 only)
ip-10-0-0-221.ec2.internal

Instance type
t2.micro

VPC ID
vpc-03fbc3240c97e4e53 (Marwan Aly-vpc)

Subnet ID
subnet-0b2ec79b0584d10e1 (Marwan Aly-subnet-public1-us-east-1a)

Private IPv4 addresses
10.0.0.221

Public IPv4 DNS
ec2-44-212-44-32.compute-1.amazonaws.com | open address

Elastic IP addresses
-

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Auto Scaling Group name
-

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

▼ Instance details Info

Platform
Ubuntu (Inferred)

Platform details
Linux/UNIX

AMI ID
ami-0574da719dca65348

AMI name
ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-20221201

Monitoring
disabled

Termination protection
Disabled

Instance summary for i-0ce0766aea67085e6 (lab3task1private) Info		
Updated less than a minute ago		
Instance ID i-0ce0766aea67085e6 (lab3task1private)	Public IPv4 address -	Private IPv4 addresses 10.0.1.52
IPv6 address -	Instance state Running	Public IPv4 DNS -
Hostname type IP name: ip-10-0-1-52.ec2.internal	Private IP DNS name (IPv4 only) ip-10-0-1-52.ec2.internal	
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	Elastic IP addresses -
Auto-assigned IP address -	VPC ID vpc-03fbc3240c97e4e53 (Marwan Aly-vpc) Info	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer f Learn more Info
IAM Role -	Subnet ID subnet-0532924adefb693de (lab2part2private) Info	Auto Scaling Group name -
Details Security Networking Storage Status checks Monitoring Tags		

▼ Instance details Info		
Platform Ubuntu (Inferred)	AMI ID ami-0574da719dca65348	Monitoring disabled
Platform details Linux/UNIX	AMI name ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-20221201	Termination protection Disabled
Stop protection	Launch time	AMI location

maly@localhost:~

ubuntu@ip-10-0-0-221: ~

```

[maly@localhost Downloads]$ chmod 400 'lab2 part1.pem'
[maly@localhost Downloads]$ ll
total 48
-rw-rw-r--. 1 maly maly 18045 Dec  4 04:55 docker-lab-01.pdf
-rw-rw-r--. 1 maly maly 22391 Dec  4 04:55 docker-lab2.pdf
-r-----. 1 maly maly  1678 Dec 20 00:16 'lab2 part1.pem'
[maly@localhost Downloads]$ ssh -i 'lab2 part1.pem' ubuntu@44.212.44.32
The authenticity of host '44.212.44.32 (44.212.44.32)' can't be established.
ECDSA key fingerprint is SHA256:3P10Eki3vGSP4RrvYaBk/K8wl97ye4KwsiYDmsty07c.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '44.212.44.32' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1026-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Fri Dec 23 22:17:32 UTC 2022

System load:  0.0               Processes:    98
Usage of /:   19.7% of 7.57GB   Users logged in: 0
Memory usage: 21%              IPv4 address for eth0: 10.0.0.221
Swap usage:   0%

```

```
maly@localhost:~ × ubuntu@ip-10-0-0-221: ~ × ⓘ
System information as of Fri Dec 23 22:17:32 UTC 2022

System load: 0.0          Processes:          98
Usage of /:  19.7% of 7.57GB Users logged in:    0
Memory usage: 21%        IPv4 address for eth0: 10.0.0.221
Swap usage:  0%

0 updates can be applied immediately.

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-0-221:~$
```

```
maly@localhost:~ × ubuntu@ip-10-0-1-52: ~ × ⓘ
ubuntu@ip-10-0-0-221:~$ ls
'lab2 part1.pem'
ubuntu@ip-10-0-0-221:~$ ssh -i 'lab2 part1.pem' ubuntu@10.0.1.52
The authenticity of host '10.0.1.52 (10.0.1.52)' can't be established.
ED25519 key fingerprint is SHA256:AirGR+QUgTrP+sJNzH9diRFMi6l34atS/UDVI70g/W0.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.1.52' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1026-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/advantage

System information as of Fri Dec 23 22:42:35 UTC 2022

System load: 0.03759765625 Processes:          98
Usage of /:  19.7% of 7.57GB Users logged in:    0
Memory usage: 20%        IPv4 address for eth0: 10.0.1.52
Swap usage:  0%

0 updates can be applied immediately.
```

2-

Route tables | VPC | EC2 Management | EC2 Instance Conn | EC2 Instance Conn | Billing Managemen | alb-355216149.us-east-1.elb.amazonaws.com

Not secure | alb-355216149.us-east-1.elb.amazonaws.com

"Hello World from ip-10-0-3-218.ec2.internal"

Route tables | VPC | EC2 Management | EC2 Instance Conn | EC2 Instance Conn | Billing Managemen | alb-355216149.us-east-1.elb.amazonaws.com

Not secure | alb-355216149.us-east-1.elb.amazonaws.com

"Hello World from ip-10-0-1-131.ec2.internal"

<input type="checkbox"/>	Name	DNS name	State	VPC ID	Availability Zones	Type	Created At
<input type="checkbox"/>	NLB	NLB-5b658428e63a347f.elb.us-east-1.amazonaws.com	Active	vpc-03fbc3240c97e4e53	2 Availability Zones	network	December 28, 16:49 (UTC+0)
<input type="checkbox"/>	ALB	ALB-355216149.us-east-1.elb.amazonaws.com	Active	vpc-03fbc3240c97e4e53	2 Availability Zones	application	December 28, 16:47 (UTC+0)

Target groups (1/2) Info

Search or filter target groups

Name

ARN

Port

Protocol

Target type

Load balancer

☒

TG1

arn:aws:elasticloadbalancing:us-east-1:123456789012:targetgroup/tg1/123456789012

80

HTTP

Instance

ALB

☐

TG2

arn:aws:elasticloadbalancing:us-east-1:123456789012:targetgroup/tg2/123456789012

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 details

☐

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

Actions

Create target group

<input type="checkbox"/>	Name	ARN	Port	Protocol	Target type	Load balancer
<input type="checkbox"/>	TG1	arn:aws:elasticloadbalancin...	80	HTTP	Instance	ALB
<input checked="" type="checkbox"/>	TG2	arn:aws:elasticloadbalancin...	80	TCP	Instance	NLB

Target group: TG2

Details

Targets

Monitoring

Health checks

Attributes

Tags

Registered targets (2)

Filter resources by property or value

<input type="checkbox"/>	Instance ID	Name	Port	Zone	Health status	Health status details
<input type="checkbox"/>	i-067225784eb042186	BE WS2	80	us-east-1b	healthy	
<input type="checkbox"/>	i-02cf87de189e8c4db	BE WS1	80	us-east-1a	healthy	

EC2 > Instances > i-067225784eb042186

Instance summary for i-067225784eb042186 (BE WS2) Info

Updated less than a minute ago

Connect

Instance state

Instance ID i-067225784eb042186 (BE WS2)	Public IPv4 address -	Private IPv4 addresses 10.0.3.218
IPv6 address -	Instance state Running	Public IPv4 DNS -
Hostname type IP name: ip-10-0-3-218.ec2.internal	Private IP DNS name (IPv4 only) ip-10-0-3-218.ec2.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for Learn more
Auto-assigned IP address -	VPC ID vpc-03fbc3240c97e4e53 (Marwan Aly-vpc)	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-017a8346ec25a862d (lab3task2privatezone2)	

Details

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▼ 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-02cf87de189e8c4db (BE WS1) [Info](#)





Updated less than a minute ago

 [Connect](#) [Instance sta](#)

Instance ID  i-02cf87de189e8c4db (BE WS1)	Public IPv4 address –	Private IPv4 addresses  10.0.1.131
IPv6 address –	Instance state  Running	Public IPv4 DNS –
Hostname type IP name: ip-10-0-1-131.ec2.internal	Private IP DNS name (IPv4 only)  ip-10-0-1-131.ec2.internal	Elastic IP addresses –
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding  Opt-in to AWS Compute Optimi Learn more 
Auto-assigned IP address –	VPC ID  vpc-03fbe3240c97e4e53 (Marwan Aly-vpc) 	Auto Scaling Group name –
IAM Role –	Subnet ID  subnet-0532924adefb693de (lab2part2private) 	

[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