Lab 5 Notes

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[Step 1] Apply Create the instance and register targets

```
mjieli@mjieli-VirtualBox:~$ aws ec2 run-instances --image-id ami-d38a4ab1 --security-group-
ids 22994257-sg --count 1 --instance-type t2.micro --key-name 22994257-key --query 'Instanc
es[0].InstanceId'
"i-0e02f964cd6b10193"
mjieli@mjieli-VirtualBox:~$ aws ec2 run-instances --image-id ami-d38a4ab1 --security-group-
ids 22994257-sg --count 1 --instance-type t2.micro --key-name 22994257-key --query 'Instanc
es[0].InstanceId'
"i-0875d8a4d12ed9f8b"
```

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 (21)

| | Q Filter resources by property or value | | | 2 matches | | ‹ 1 › ⚙ |

"22994257" ✕   Clear filters

	Instance ID ▽	Name ▽	State ▽	Security groups ▽	Zone ▽	Subnet ID ▽
☐	i-0875d8a4d12ed9f8b	22994257-b	⊘ running	22994257-sg	ap-southeast-2c	subnet-0abd7d09f748bc284
☐	i-0e02f964cd6b10193	22994257-a	⊘ running	22994257-sg	ap-southeast-2c	subnet-0abd7d09f748bc284

Review targets

Targets (2)   Remove all pending

| All ▽ | Q Filter resources by property or value | | | | | ‹ 1 › ⚙ |

Remove	Health status ▼	Instance ID ▽	Name ▽	Port ▽	State ▽	Security groups ▽	Zone ▽	Subnet ID ▽
✕	Pending	i-0e02f964cd6b10193	22994257-a	80	⊘ running	22994257-sg	ap-southeast-2c	subnet-0abd7d09f748bc284
✕	Pending	i-0875d8a4d12ed9f8b	22994257-b	80	⊘ running	22994257-sg	ap-southeast-2c	subnet-0abd7d09f748bc284

2 pending   Cancel   Previous   **Create target group**

[Step 2] Configure a load balancer and a listener

	Name	DNS name	State	VPC ID	Availability Zones	Type
☐	22994257-lb	22994257-lb-1751919665.ap...	Provisioning	vpc-0b754f714cd1af245	ap-southeast-2c, ap-southeast-2b	application

Load balancer: ‖ 22994257-lb

Description | Listeners | Monitoring | Integrated services | Tags

Basic Configuration

|	
Name	22994257-lb
ARN	arn:aws:elasticloadbalancing:ap-southeast-2:523265914192:loadbalancer/app/22994257-lb/7c76d9874e8ab448 ⎙
DNS name	22994257-lb-1751919665.ap-southeast-2.elb.amazonaws.com ⎙ (A Record)
State	Provisioning
Type	application
Scheme	internet-facing
IP address type	ipv4
	Edit IP address type
VPC	vpc-0b754f714cd1af245 ⧉
Availability Zones	subnet-0abd7d09f748bc284 - ap-southeast-2c ⧉

EC2 > Target groups > 22994257-tg

22994257-tg

[Actions ▼]

Details

⎙ arn:aws:elasticloadbalancing:ap-southeast-2:523265914192:targetgroup/22994257-tg/5718b67a569e09c1

Target type	Protocol : Port	Protocol version	VPC
Instance	HTTP: 80	HTTP1	vpc-0b754f714cd1af245 ⧉
IP address type	Load balancer		
IPv4	22994257-lb ⧉		

Total targets	Healthy	Unhealthy	Unused	Initial	Draining
2	⊘ 2	⊗ 0	⊖ 0	⊘ 0	⊖ 0

[Step 3] Test and delete the load balancer
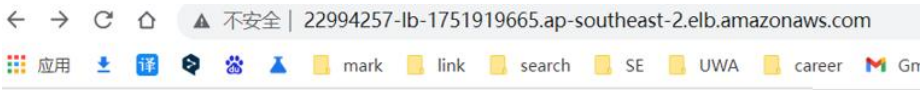
Hello World from ip-172-31-39-101.ap-southeast-2.compute.internal