

### Assignment 3 – Application Load Balancer

Instances (1/3) Info

Filter instances

< 1 >

Connect

Instance state

Actions

Launch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm s
<input checked="" type="checkbox"/>	Machine1	i-095578723be250f41	Running	t2.micro	2/2 checks passed	1 ala
<input type="checkbox"/>	Machine2	i-085fa6be73385fe3b	Running	t2.micro	2/2 checks passed	1 ala

Instance summary Info

Instance ID

i-095578723be250f41 (Machine1)

Instance state

Running

Instance type

t2.micro

Public IPv4 address

54.164.175.146 | open address

Public IPv4 DNS

ec2-54-164-175-146.compute-1.amazonaws.com | open address

Elastic IP addresses

-

Private IPv4 addresses

10.50.1.9


Private IPv4 DNS

ip-10-50-1-9.ec2.internal

VPC ID

vpc-0fb9f2f16aea14370 (abcvpc)

Not secure | 54.164.175.146



Apache2 Ubuntu Default Page

ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
```



ubuntu

## Apache2 Ubuntu Default Page

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|   |-- *.conf
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|   |-- *.conf
|-- sites-enabled
```

# Hello from ip-10-50-2-150 vm.

## I am from Machine-2

### This is my second Website

# Hello from ip-10-50-1-9 vm.

## I am from Machine-1

>

### This is my first my first website

EOF

search for services, features, marketplace | [Alt+S] ⓘ 🔔 vocstartsoft/user1425837=rajeevitnawre@gmail.com @ 5460-8211... ▼ N. Virginia ▼ Support ▼

EC2 > Target groups

Target groups (1/3) info

↻ Actions ▼ Create target group

🔍 Search or filter target groups < 1 > ⚙️

	Name	ARN	Port	Protocol	Target type
<input checked="" type="checkbox"/>	<a href="#">Machine1TG</a>	arn:aws:elasticloadbalancing:us-east-1:546082112725:targetgroup/Machine1TG/cb304b2a977d30c4	80	HTTP	Instance
<input type="checkbox"/>	<a href="#">Machine2TG</a>	arn:aws:elasticloadbalancing:us-east-1:546082112725:targetgroup/Machine2TG/cb304b2a977d30c4	80	HTTP	Instance

Machine1TG

arn:aws:elasticloadbalancing:us-east-1:546082112725:targetgroup/Machine1TG/cb304b2a977d30c4

Details

Targets

Monitoring

Health checks

Attributes

Tags

Search for services, features, marketplace [Alt+S]

vocstartsoft/user1425837=rajeevnitnawre@gmail.com @ 5460-8211... N. Virginia Support

Create Load Balancer Actions

Filter by tags and attributes or search by keyword

1 to 1 of 1

Name	DNS name	State	VPC ID	Availability Zones
ALB	ALB-2078305466.us-east-1....	provisioning	vpc-0fb9f2f16aea14370	us-east-1b, us-east-1c, ...

Load balancer: ALB

DescriptionListenersMonitoringIntegrated servicesTags

A listener checks for connection requests using its configured protocol and port, and the load balancer uses the listener rules to route requests to targets. You can add, remove, or update listeners and listener rules.

Add listenerEditDelete

Listener ID	Security policy	SSL Certificate	Rules
<input type="checkbox"/> HTTP : 80 arn...c50f14c6104ab3bd	N/A	N/A	Default: forwarding to Machine1TG <a href="#">View/edit rules</a>

console.aws.amazon.com/ec2/v2/home?region=us-east-1#ELBRules?type=app;loadBalancerName=ALB;loadBalancerId=167ff5bff5e4c213;listenerId=c50f14c61... Services Search for services, features, marketplace [Alt+S] vocstartsoft/user1425837=rajeevnitnawre@gmail.com @ 5460-8211... N. Virginia Support

Rules + -

ALB | HTTP:80

Click a location for your new rule. Each rule must include one action of type forward, redirect, fixed response.

New rule was created successfully.

Rule limits for condition values, wildcards, and total rules.

Insert Rule

1 am...a34a8

IF  
✓ Path is /machine2/\*

THEN  
Forward to  
Machine2TG: 1 (100%)  
Group-level stickiness: Off

Insert Rule

2 am...70ae9

IF  
✓ Path is /machine1/\*

THEN  
Forward to  
Machine1TG: 1 (100%)  
Group-level stickiness: Off

Insert Rule

Search for services, features, marketplace | [Alt+S] | vocstartsoft/user1425837=rajeevinitnawre@gmail.com @ 5460-8211... | N. Virginia | Support

Create Load Balancer | Actions

Filter by tags and attributes or search by keyword | 1 to 1 of 1

Name	DNS name	State	VPC ID	Availability Zones
ALB	ALB-2078305466.us-east-1....	active	vpc-0fb9f2f16aea14370	us-east-1b, us-east-1c, ...

Load balancer: ALB

Description | Listeners | Monitoring | Integrated services | Tags

Basic Configuration

Name	ALB
ARN	arn:aws:elasticloadbalancing:us-east-1:546082112725:loadbalancer/app/ALB/167ff5bff5e4c213
DNS name	ALB-2078305466.us-east-1.elb.amazonaws.com (A Record)
State	active
Type	application

Not secure | alb-2078305466.us-east-1.elb.amazonaws.com/machine1/

**Hello from ip-10-50-1-9 vm.**

**I am from Machine-1**

>

**This is my first my first website**

EOF

# **Hello from ip-10-50-2-150 vm.**

## **I am from Machine-2**

### **This is my second Website**