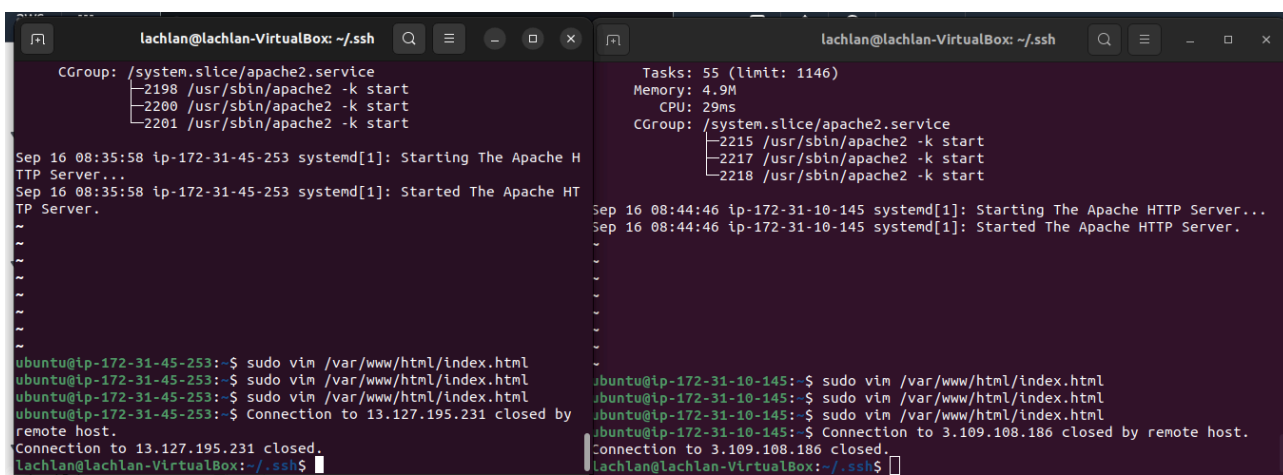
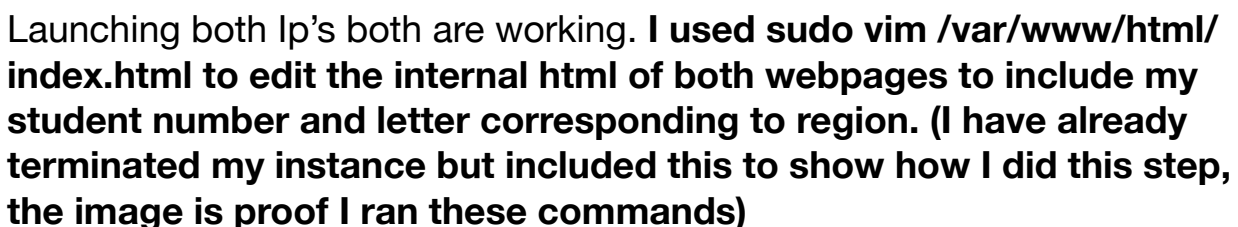
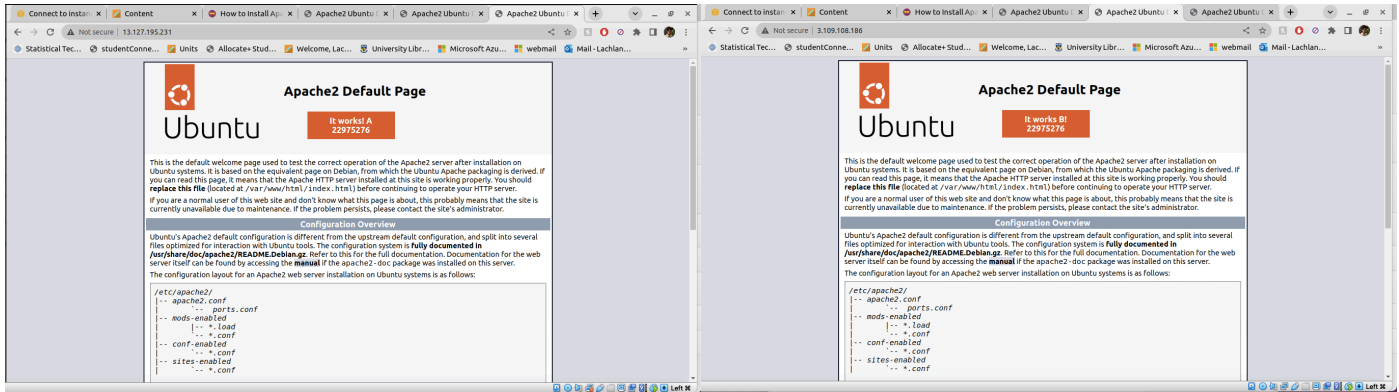


Installing Apache2 onto both instances





Target type

Instance

IP address type

IPv4

Protocol : Port

HTTP: 80

Protocol version

HTTP1

VPC

vpc-09994ef62883cb095

Load balancer

22975276-LB

Total targets

2

Healthy

2

Unhealthy

0

Unused

0

Initial

0

Draining

0

Targets

Monitoring

Health checks

Attributes

Tags

Registered targets (2)

Deregister

Register targets

Filter resources by property or value

<1>

Instance ID

I-0b38a13a5fb66d89b

Name

22975276-instanceB

Port

80

Zone

ap-south-1b

Health status

healthy

Health status details

Instance ID

I-0ba99700755a1e9fc

Name

22975276-instanceA

Port

80

Zone

ap-south-1a

Health status

healthy

Health status details

Above is my target group, the screenshot was taken at the end after I had made my load balancer that is why they are healthy.

3. Configure Load balancer and listener: Below are the details for the load balancer

Load balancer: 22975276-LB

Description

Listeners

Monitoring

Integrated services

Tags

Basic Configuration

Name	22975276-LB
ARN	arn:aws:elasticloadbalancing:ap-south-1:523265914192:loadbalancer/app/22975276-LB/66f5c2caef6f05d9 ↗
DNS name	22975276-LB-1235951751.ap-south-1.elb.amazonaws.com ↗ (A Record)
State	Active
Type	application
Scheme	Internet-facing
IP address type	ipv4 Edit IP address type
VPC	vpc-09994ef62883cb095 ↗

Availability Zones	subnet-006b5421ff506ae78 - ap-south-1a ↗ IPv4 address: Assigned by AWS subnet-0efa970dcdfdb0880 - ap-south-1b ↗ IPv4 address: Assigned by AWS Edit subnets
Hosted zone	ZP97RAFLXTNZK
Creation time	September 16, 2022 at 4:57:32 PM UTC+8

Security

Security groups	sg-01c3117358ce8e7a2 , launch-wizard-1 • launch-wizard-1 created 2022-09-15T09:15:32.506Z Edit security groups
-----------------	--

Attributes

4. Test the load balancer

Using the dns name highlighted in green I opened the link and saw the apache screen B meaning the load balancer had worked and had selected page B.


search : 22975276 Add filter						1 to 1 of 1	
Name	DNS name	State	VPC ID	Availability Zones	Type		
22975276-LB	22975276-LB-1235951751.a...	Active	vpc-09994ef62883cb095	ap-south-1a, ap-south-1b	application		

Name	22975276-LB
ARN	arn:aws:elasticloadbalancing:ap-south-1:523265914192:loadbalancer/app/22975276-LB/66f5c2caef6f05d9
DNS name	22975276-LB-1235951751.ap-south-1.elb.amazonaws.com (A Record)

Load Balancers | Content | How to Install Apache2 Ubuntu | Apache2 Ubuntu | Apache2 Ubuntu | +

Not secure | 22975276-lb-1235951751.ap-south-1.elb.amazonaws.com

Statistical Tec... studentConn... Units Allocate+ Stud... Welcome, Lac... University Libr... Microsoft Azu... webmail Mail - Lachlan...



Apache2 Default Page

Ubuntu

It works B!
22975276

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
|   |-- *.conf

```

Finally I deleted the load balancer, deleted the target group and terminated the instances.

Create Load Balancer

Actions

search : 22975276-lb

Add filter

<>None found>>

☐

Name

DNS name

State

VPC ID

Availability Zones

Type

No results found. Please alter your search.

Target groups

Info

Actions

Create target group

Search or filter target groups

<1>

☐

Name

ARN

Port

Protocol

Target type

No target groups

You don't have any target groups in ap-south-1

Create target group

Instances (2/4)

Info

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

<1>

☒

22975276-Ins...

I-0ba99700755a1e9fc

Shutting-down

t2.micro

2/2 checks passed

User: arn:aws:iam::123456789012:user/DefaultUser

ap-south-1a

☐

22975276-New

I-0a3a6293bd6302457

Terminated

t2.micro

-

User: arn:aws:iam::123456789012:user/DefaultUser

ap-south-1a

☐

22975276-New

I-0e55bbbd943f03396

Terminated

t2.micro

-

User: arn:aws:iam::123456789012:user/DefaultUser

ap-south-1a

☒

22975276-Ins...

I-0b38a13a5fb66d89b

Shutting-down

t2.micro

2/2 checks passed

User: arn:aws:iam::123456789012:user/DefaultUser

ap-south-1b

Instances: i-0ba99700755a1e9fc (22975276-instanceA), i-0b38a13a5fb66d89b (22975276-instanceB)