

## LAB2

1- Screenshot from the public ip and private ip of the instance and a screenshot from the logs of the instance to demonstrate the apache is installed

The image shows two screenshots from the AWS Management Console. The top screenshot is the 'Launch Instance' wizard, and the bottom screenshot is the 'VPC Details' page.

**Top Screenshot: Launch Instance Wizard**

**Left Panel: User data**

```
#!/bin/bash
yum update -y
yum install -y httpd.x86_64
systemctl start httpd.service
systemctl enable httpd.service
```

☐ User data has already been base64 encoded

**Right Panel: Summary**

- Number of instances: 1
- Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI...read more  
ami-0b50ea769982371e91
- Virtual server type (instance type): t2.micro
- Firewall (security group): Task01
- Storage (volumes): 1 volume(s) - 8 GiB

Buttons: Cancel, Launch Instance

**Bottom Screenshot: VPC Details**

**Left Sidebar:**

- VPC dashboard
- EC2 Global View New
- Filter by VPC: Select a VPC
- Virtual private cloud
- Your VPCs
- Subnets
- Route tables
- Internet gateways
- Egress-only internet gateways
- Carrier gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- Endpoints

**Details Panel:**

VPC ID	State	DNS h
vpc-06755269466cf030e	Available	Disabl
Tenancy	DHCP option set	Main r
Default	dopt-02ae7a3b66d7d78d0	rtb-0d
Default VPC	IPv4 CIDR	IPv6 p
No	10.0.0.0/16	-
Network Address Usage	Route 53 Resolver DNS	Owner
metrics	Firewall rule groups	958
Disabled	-	

**Bottom Panel: CIDRs**

Address type	CIDR	Network Border Gro
IPv4	10.0.0.0/16	-

VPC dashboard

EC2 Global View New

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VPC

vpc-06755269466cf030e | VPC01

Owner ID  
958205497271

Routes

Subnet associations

Edge associations

Route prop

Routes (2)

Filter routes

Destination	Target
0.0.0.0/0	igw-0b6615fc078c0044d
10.0.0.0/16	local

New

cloud

ays

ernet

rs

ts

lists

Your VPCs (2) Info

Filter VPCs

	Name	VPC ID
<input type="checkbox"/>	-	vpc-0fa75e3ffcf4e719
<input type="checkbox"/>	VPC01	vpc-06755269466cf030e

Select a VPC above

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VPC > Internet gateways > igw-0b6615fc078c0044d

igw-0b6615fc078c0044d / IGW01

Details Info

Internet gateway ID

igw-0b6615fc078c0044d

State

Attached

VPC ID

vpc-0

VPC ID

VPC0

Tags

Search tags

Key	Value
Name	IGW01

Ubuntu

Apache2 Default Pa

It works!

This is the default welcome page used to test the correct operation of the / installation on Ubuntu systems. It is based on the equivalent page on Debi Apache packaging is derived. If you can read this page, it means that the / at this site is working properly. You should **replace this file** (located at /v 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 that the site is currently unavailable due to maintenance. If the problem p site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream defe into several files optimized for interaction with Ubuntu tools. The configura **documented in /usr/share/doc/apache2/README.Debian.gz**. Refer documentation. Documentation for the web server itself can be found by a apache2-doc package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu

```
/etc/apache2/  
|-- apache2.conf  
|  
|-- ports.conf
```

New EC2 Experience  
Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state
<input checked="" type="checkbox"/>	Ec2	i-07f01aaf0516e3a25	Running

Instance: i-07f01aaf0516e3a25 (Ec2)

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Scheduled Instances

EC2 > Instances > i-07f01aaf0516e3a25

Instance summary for i-07f01aaf0516e3a25 (Ec2) Info

Updated less than a minute ago

Instance ID	Public IPv4 address
i-07f01aaf0516e3a25 (Ec2)	54.144.113.187   <a href="#">open ad</a>
IPv6 address	Instance state
—	Running
Hostname type	Private IP DNS name (IPv4 only)
IP name: ip-10-0-0-223.ec2.internal	ip-10-0-0-223.ec2.interna
Answer private resource DNS name	Instance type
IPv4 (A)	t2.micro
Auto-assigned IP address	VPC ID
54.144.113.187 [Public IP]	vpc-06755269466cf030e
IAM Role	Subnet ID

2- Screenshot from the instance page demonstrate that the instance is private and a screenshot from the logs of the instance demonstrate the apache2 is installed (you don't need to do the public ec2 so I made a mark on it)

EC2 > Instances > i-00330fb5efbfb0afb > 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-00330fb5efbfb0afb as of Thu Dec 22 2022 17:40:02 GMT+0200 (Eastern European Standard Time)

Copy log

Download

```
[ 47.593118] cloud-init[3247]: Running transaction
[ 50.328920] cloud-init[3247]: Installing : apr-1.7.0-9.amzn2.x86_64 1/9
[ 50.368820] cloud-init[3247]: Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 2/9
[ 50.437232] cloud-init[3247]: Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64 3/9
[ 50.532126] cloud-init[3247]: Installing : httpd-tools-2.4.54-1.amzn2.x86_64 4/9
[ 50.601438] cloud-init[3247]: Installing : httpd filesystem-2.4.54-1.amzn2.noarch 5/9
[ 50.668812] cloud-init[3247]: Installing : generic-logos-httpd-38.0.0-4.amzn2.noarch 6/9
[ 50.724822] cloud-init[3247]: Installing : mailcap-2.1.41-2.amzn2.noarch 7/9
[ 50.997269] cloud-init[3247]: Installing : mod_http2-1.15.19-1.amzn2.0.1.x86_64 8/9
[ 51.284727] cloud-init[3247]: Installing : httpd-2.4.54-1.amzn2.x86_64 9/9
[ 51.283321] cloud-init[3247]: Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 1/9
[ 51.263413] cloud-init[3247]: Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 2/9
[ 51.284749] cloud-init[3247]: Verifying : httpd-tools-2.4.54-1.amzn2.x86_64 3/9
[ 51.305752] cloud-init[3247]: Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64 4/9
[ 51.338938] cloud-init[3247]: Verifying : httpd-2.4.54-1.amzn2.x86_64 5/9
[ 51.359270] cloud-init[3247]: Verifying : mailcap-2.1.41-2.amzn2.noarch 6/9
[ 51.382816] cloud-init[3247]: Verifying : generic-logos-httpd-38.0.0-4.amzn2.noarch 7/9
[ 51.407325] cloud-init[3247]: Verifying : httpd filesystem-2.4.54-1.amzn2.noarch 8/9
```

aws Services Search [Alt+S]

VPC dashboard X

EC2 Global View New

Filter by VPC:

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Subnets (2/8) Info

Filter subnets

	Name	Subnet ID	State
<input checked="" type="checkbox"/>	Priv-subnet	subnet-01fe6f236f019e554	Available
<input type="checkbox"/>	-	subnet-0efc5580ae81acd7e	Available
<input checked="" type="checkbox"/>	subnet01	subnet-0ffc04383566d49c7	Available
<input type="checkbox"/>	-	subnet-062a7530192aa55d6	Available
<input type="checkbox"/>	-	subnet-00dba5784b7fd98f1	Available

Subnets: subnet-01fe6f236f019e554, subnet-0ffc04383566d49c7