

## 1. Public VM IP

<http://136.115.247.82>

## 2. Commands Used

```
sudo apt update  
sudo apt install apache2 -y  
sudo systemctl status apache2  
sudo nano /var/www/html/index.html
```

## 3. Screenshots

### VM creation

The screenshot shows the Google Cloud Platform's VM instances interface. At the top, there are buttons for 'Create instance', 'Import VM', and 'Refresh'. Below that, tabs for 'Instances', 'Observability', and 'Instance schedules' are visible, with 'Instances' being the active tab. A search bar labeled 'Filter' with the placeholder 'Enter property name or value' is present. The main table lists one VM instance:

Name	Zone	Recommendations	In use by	Internal IP	External IP	Connect
web-vm	us-central1-c			10.128.0.2 (nic0)	<a href="#">136.115.247.82</a> <input checked="" type="checkbox"/> (nic0)	SSH

At the bottom, there is a 'Deleted instances' section.

## SSH Terminal

```
p_brintha2006@web-vm:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset:
   Active: active (running) since Tue 2025-12-16 10:45:37 UTC; 7min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 4015 (apache2)
      Tasks: 55 (limit: 1136)
     Memory: 9.1M
        CPU: 98ms
      CGroup: /system.slice/apache2.service
              └─4015 /usr/sbin/apache2 -k start
                  ├─4016 /usr/sbin/apache2 -k start
                  ├─4017 /usr/sbin/apache2 -k start

Dec 16 10:45:37 web-vm systemd[1]: Starting apache2.service - The Apache H
Dec 16 10:45:37 web-vm systemd[1]: Started apache2.service - The Apache HT
p_brintha2006@web-vm:~$
```

## Apache default page

**Apache2 Debian Default Page**

**It works!**

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Debian systems. 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**

Debian's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Debian 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 Debian systems is as follows:

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

- apache2.conf is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.

HTML File

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# Hello from Cloud VM

Apache Web Server is running successfully!