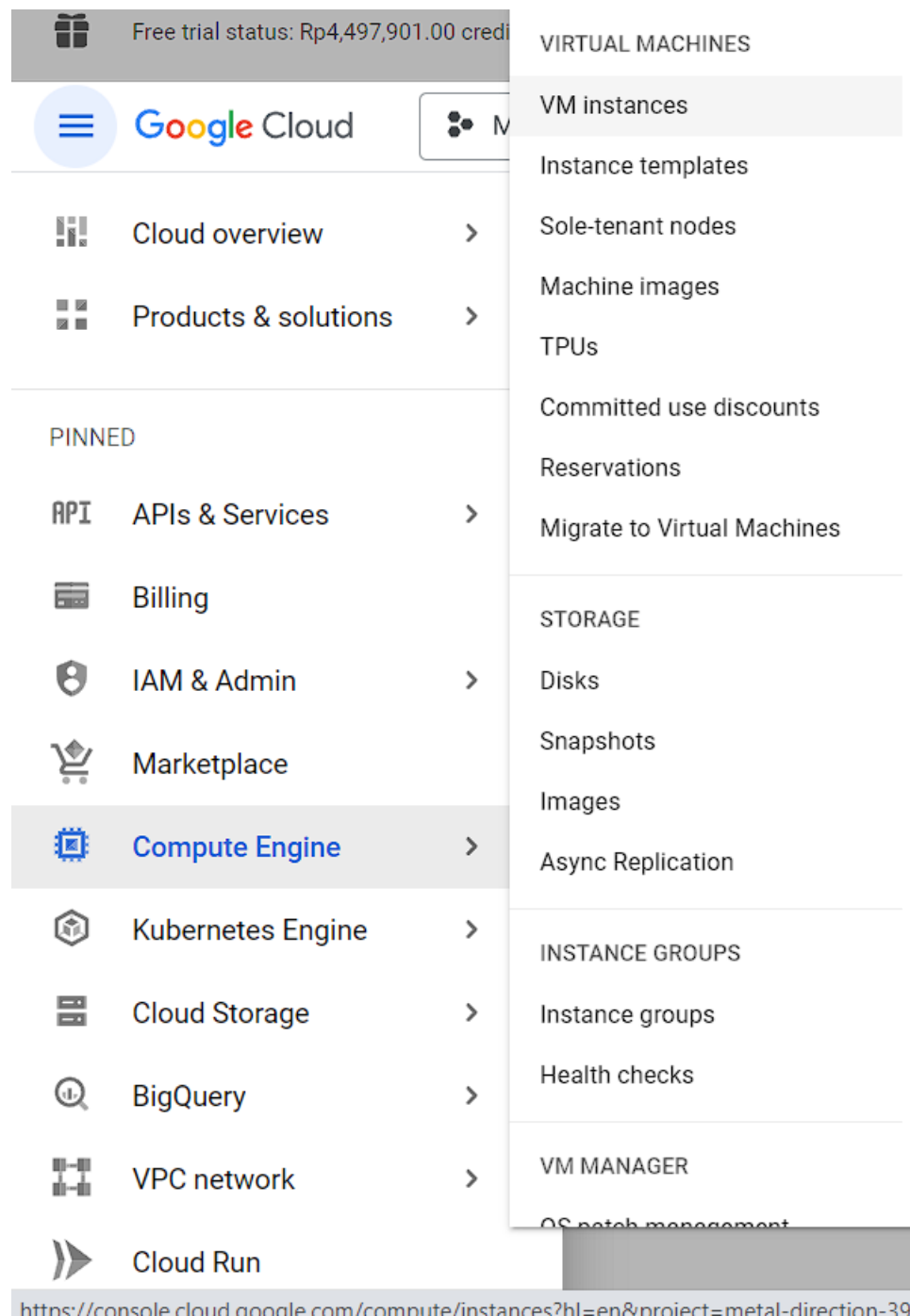


## Langkah-langkah membuat website dengan apache menggunakan Google Cloud Platform

### 1. Pertama Membuat VM Instances di Compute Engine



### 2. Berikan nama untuk instance dan pilih region us-central1 dan zone us-central1-a

### Create an instance

To create a VM instance, select one of the options:

- New VM instance**  
Create a single VM instance from scratch
- New VM instance from template  
Create a single VM instance from an existing template

Name \*  
instance-1

MANAGE TAGS AND LABELS

Region \*  
us-central1 (Iowa)  
Region is permanent

Zone \*  
us-central1-a  
Zone is permanent

### 3. Pilih Machine type E2 dan e2-micro (2 vCPU, 1 GB memory)

<input checked="" type="radio"/>	E2	Low cost, day-to-day computing	0.25 - 32	1 - 128 GB	Based on availability
<input type="radio"/>	N2	Balanced price & performance	2 - 128	2 - 864 GB	Intel Cascade and Ice Lake
<input type="radio"/>	N2D	Balanced price & performance	2 - 224	2 - 896 GB	AMD EPYC
<input type="radio"/>	T2A	Scale-out workloads	1 - 48	4 - 192 GB	Ampere Altra Arm
<input type="radio"/>	T2D	Scale-out workloads	1 - 60	4 - 240 GB	AMD EPYC Milan
<input type="radio"/>	N1	Balanced price & performance	0.25 - 96	0.6 - 624 GB	Intel Skylake

#### Machine type

Choose a machine type with preset amounts of vCPUs and memory that suit most workloads.  
Or, you can create a custom machine for your workload's particular needs. [Learn more](#)

PRESET CUSTOM

e2-micro (2 vCPU, 1 GB memory)



vCPU  
0.25-2 vCPU (1 shared core)

Memory  
1 GB

#### ADVANCED CONFIGURATIONS

### 4. Custom Boot Disk menjadi ubuntu

#### Boot disk

Select an image or snapshot to create a boot disk; or attach an existing disk. Can't find what you're looking for? Explore hundreds of VM solutions in [Marketplace](#)

PUBLIC IMAGES

CUSTOM IMAGES

SNAPSHOTS

ARCHIVE SNAPSHOTS

EXISTING DISKS

Operating system  
Ubuntu

Version \*  
Ubuntu 20.04 LTS

x86\_64, amd64 focal image built on 2023-06-28, supports Shielded VM features

Boot disk type \*  
Standard persistent disk

COMPARE DISK TYPES

Size (GB) \*  
10

#### SHOW ADVANCED CONFIGURATION

SELECT

CANCEL

## 5. Allow Fire Wall

### Firewall

Add tags and firewall rules to allow specific network traffic from the Internet

☒ Allow HTTP traffic

☐ Allow HTTPS traffic

6. Setup SSH Key menggunakan PuTTY Key Generator dan input SSH key ke bagian add Item

## Security

Shielded VM and SSH keys



### Shielded VM ?

Turn on all settings for the most secure configuration.

- ☐ Turn on Secure Boot ?
- ☒ Turn on vTPM ?
- ☒ Turn on Integrity Monitoring ?

### VM access

Manage how users connect to the VM



By default, when you connect to a VM using this console or gcloud, your SSH keys are generated automatically. [Learn more](#)

### MANAGE ACCESS



By default, when you connect to a VM using this console or gcloud, your SSH keys are generated automatically. [Learn more](#)

- ☐ Control VM access through IAM permissions ?  
Link VM access to the user's IAM role. Enables OS Login. [Learn more](#)
- ☐ Require 2-step verification  
Require a second form of user authentication. [Learn more](#)
- ☐ Block project-wide SSH keys  
When checked, project-wide SSH keys cannot access this instance. [Learn more](#)

### Add manually generated SSH keys

Add your own keys for VM access through a 3rd-party tool. You cannot use these keys when IAM-based access (using OS Login) is enabled. [Learn more](#)

[+ ADD ITEM](#)

### MANAGE ACCESS

7. Klik Create untuk membuat VM Instance yang sudah di setup

[CREATE](#)

[CANCEL](#)

[↔ EQUIVALENT CODE](#)

8. Setelah VM Instance Terbuat

## VM instances

Filter Enter property name or value

<input type="checkbox"/>	Status	Name ↑	Zone	Recommendations	In use by	Internal IP	External IP	Connect
<input type="checkbox"/>	✓	website1	us-central1-a			10.128.0.2 (nic0)	104.155.141.16 (nic0)	SSH ▾ ⋮

### 9. Buka PuTTY Generator Key untuk Membuat key access ke PuTTY

PuTTY Key Generator

[File](#)
[Key](#)
[Conversions](#)
[Help](#)

Key

Public key for pasting into OpenSSH authorized\_keys file:

```
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCAI88ff9013e7Ea6HG6axlTZeGYsD
+eCUioE0ogLXjGneORwKp7Fikl70cE70fk2E
+e2UDM6kkUmp43ugA0pvPHTtuyTer2AHgl1yEaskK8K0ul0h7uDr6wMtNyGCc6SvSaHGve5GbasMlVrQ3RB1tSo7lgpQ
Dr
+E1wNUEkRnElyDBxeaUyp7J9frwnS4hzWPC7wK3gECSRsw20kR8TXEJ1y3iTiEDny7hkB6UtlqWtYax9KG1YQDrOPyW
```

Key fingerprint: ssh-rsa 2048 SHA256:Q//OFHjIWShXialc8AQvWxlLOthBvinyeW+ITubfQDs

Key comment: AnselZorro

Key passphrase: ●●●●●●

Confirm passphrase: ●●●●●●

Actions

Generate a public/private key pair Generate

Load an existing private key file Load

Save the generated key Save public key Save private key

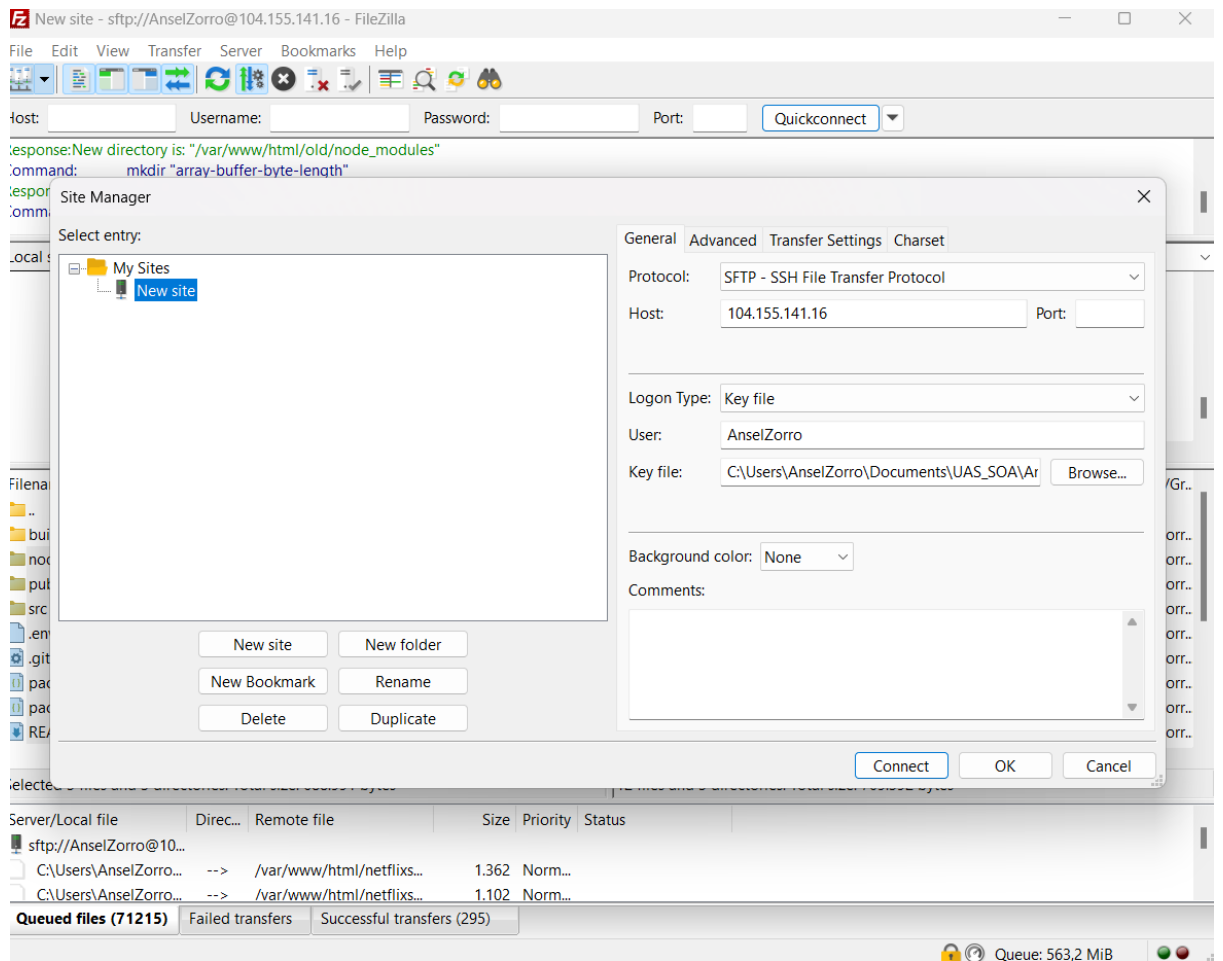
Parameters

Type of key to generate:

☒ RSA
 ☐ DSA
 ☐ ECDSA
 ☐ EdDSA
 ☐ SSH-1 (RSA)

Number of bits in a generated key: 2048

### 10. Buka FileZilla dan buat New Site lalu connect host dan key file putty generator yang sudah dibuat



## 11. Pilih folder www

New site - sftp://AnselZorro@104.155.141.16 - FileZilla

File Edit View Transfer Server Bookmarks Help

Host: Username: Password: Port: Quickconnect

Response: New directory is: "/var/www/html/old/node\_modules"  
Command: mkdir "array-union"  
Response: mkdir /var/www/html/old/node\_modules/array-union: OK  
Command: cd "/var/www/html/old/node\_modules/array-union"

Local site: C:\Users\AnselZorro\Documents\UAS\_SOA\netflixs-app\ Remote site: /var/www/html

Filename	Filesize	Filetype	Last modified
..			
build		File folder	29/05/2023 15:...
node_modules		File folder	29/05/2023 15:...
public		File folder	29/05/2023 12:...
src		File folder	29/05/2023 14:...
.env	382	ENV File	29/05/2023 15:...
.gitignore	310	Git Ignore Sou...	29/05/2023 12:...
package-lock.json	684.102	JSON Source Fi...	29/05/2023 15:...
package.json	838	JSON Source Fi...	29/05/2023 12:...
README.md	3.359	Markdown Sou...	29/05/2023 12:...

Selected 5 files and 3 directories. Total size: 688.991 bytes

Filename	Filesize	Filetype	Last modified	Permissi...	Owner/Gr...
..					
node_modules		File folder	05/07/2023...	drwxrwx...	AnselZorr...
old		File folder	05/07/2023...	drwxrwx...	AnselZorr...
public		File folder	05/07/2023...	drwxrwx...	AnselZorr...
src		File folder	05/07/2023...	drwxrwx...	AnselZorr...
static		File folder	05/07/2023...	drwxrwx...	AnselZorr...
.env	382	ENV File	05/07/2023...	-rw-rw-r--	AnselZorr...
.gitignore	310	Git Ignor...	05/07/2023...	-rw-rw-r--	AnselZorr...
asset-manifest.js...	517	JSON So...	05/07/2023...	-rw-rw-r--	AnselZorr...
favicon.ico	3.870	ICO File	05/07/2023...	-rw-rw-r--	AnselZorr...

12 files and 5 directories. Total size: 709.592 bytes

Server/Local file	Dirac...	Remote file	Size	Priority	Status
sftp://AnselZorro@10...					
C:\Users\AnselZorro...	-->	/var/www/html/netflixs...	1.362	Norm...	
C:\Users\AnselZorro...	-->	/var/www/html/netflixs...	1.102	Norm...	

Queued files (71191) Failed transfers Successful transfers (319)











Queue: 563,1 MiB

## 12. Modifikasi akses ke www agar bisa di edit

PuTTY (inactive)

```
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
AnselZorro@websitel:~$ ls
AnselZorro@websitel:~$ cd /var/www/
AnselZorro@websitel:/var/www$ cd/html
-bash: cd/html: No such file or directory
AnselZorro@websitel:/var/www$ ls
html
AnselZorro@websitel:/var/www$ cd html
AnselZorro@websitel:/var/www/html$ cd ..
AnselZorro@websitel:/var/www$ sudo chown -R AnselZorro html/
AnselZorro@websitel:/var/www$ sudo chmod 755 html/
AnselZorro@websitel:/var/www$ sudo chown -R AnselZorro html/
AnselZorro@websitel:/var/www$ sudo chmod 755 html/
AnselZorro@websitel:/var/www$ sudo chmod 755 html/
AnselZorro@websitel:/var/www$
```

13. Masukan code yang ingin di tampilkan ke website 104.155.141.16

Filename ^	Filesize	Filetype	Last modifi...	Permissi...	Owner/Gr..
 asset-manifest.js...	517	JSON So...	05/07/2023...	-rw-rw-r--	AnselZorr..
 favicon.ico	3.870	ICO File	05/07/2023...	-rw-rw-r--	AnselZorr..
 index.html	644	Chrome ...	05/07/2023...	-rw-rw-r--	AnselZorr..
 logo192.png	5.347	PNG File	05/07/2023...	-rw-rw-r--	AnselZorr..
 logo512.png	9.664	PNG File	05/07/2023...	-rw-rw-r--	AnselZorr..
 manifest.json	492	JSON So...	05/07/2023...	-rw-rw-r--	AnselZorr..
 package-lock.json	684.102	JSON So...	05/07/2023...	-rw-rw-r--	AnselZorr..
 package.json	838	JSON So...	05/07/2023...	-rw-rw-r--	AnselZorr..
 README.md	3.359	Markdo...	05/07/2023...	-rw-rw-r--	AnselZorr..
 robots.txt	67	Text Doc...	05/07/2023...	-rw-rw-r--	AnselZorr..

12 files and 5 directories Total size: 709.592 bytes

14. Berikut adalah tampilan website yang sudah di hosting dengan google cloud platform dan bisa di akses dimana saja menggunakan domain 104.155.141.16

