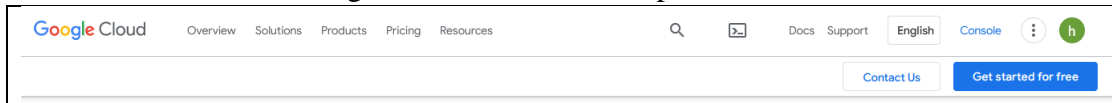


Daftar Free Trial 90 Hari Google Cloud Platform

1. Masuk ke dalam situs Google Cloud Platform lalu pilih **Get Started for Free**



2. Pilih **Personal project** lalu Continue

3. Masukkan nomor HP untuk verifikasi

4. Masukkan beberapa data berikut
 - a. Pilih **Individual**
 - b. Isi alamat dan nama sesuai dengan alamat rekening bank
 - c. Isi nomor kartu debit atau kredit sesuai dengan poin B

Step 3 of 3 Payment Information Verification

Your payment information helps us reduce fraud and abuse. You won't be charged unless you turn on automatic billing.

Customer info

Account type ⓘ ✎

Individual ▾

Tax information ⓘ ✎

Tax status: Personal

Tax or Identification Number:

Tax obligation main number (NPWP)

Name and address ⓘ

Name

hangga prihadi

Address line 1

Address line 2

City

Province ▾ Postal code

Phone number (optional)

How you pay

Automatic payments

With automatic payments, you pay for this service only after you have actual costs. You'll be charged automatically on the 1st of each month or any time your balance reaches an amount known as your payment threshold. [Learn more](#)

Payment method ⓘ

Card number

MM / YY CVC

Card number is required

Cardholder name

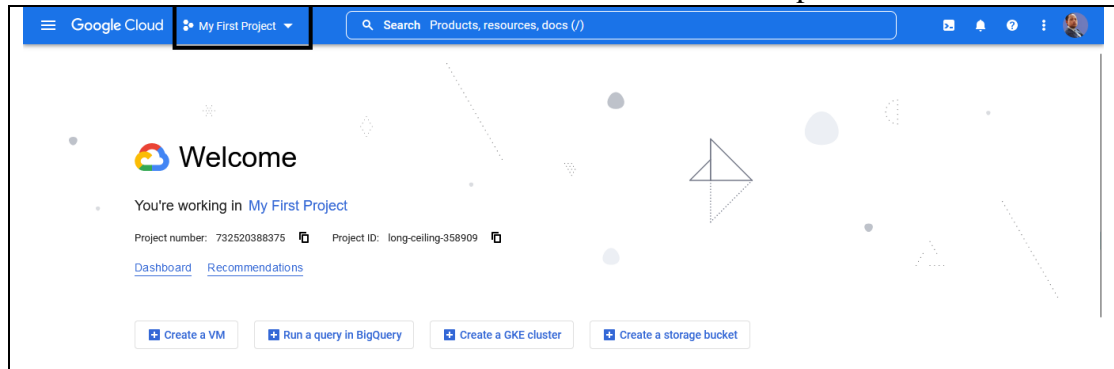
hangga prihadi

☒ Credit or debit card address is same as above

The personal information you provide here will be added to your payments profile. It will be stored securely and treated in accordance with the [Google Privacy Policy](#).

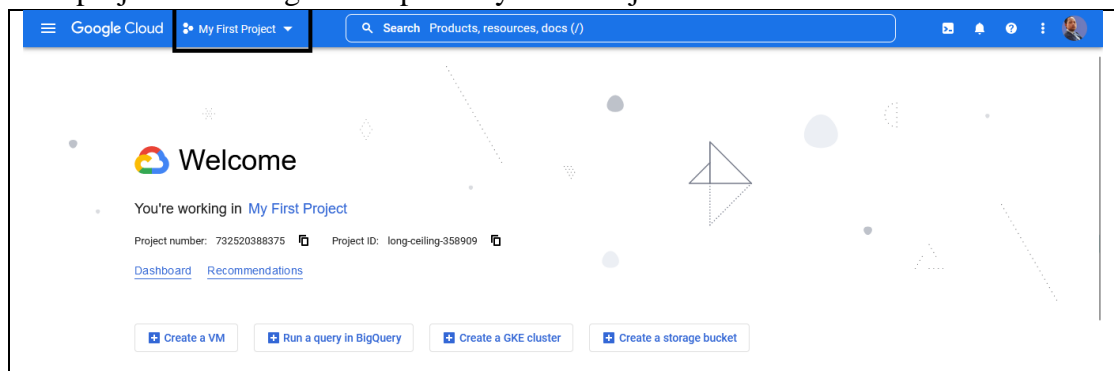
START MY FREE TRIAL

5. Jika sudah selesai mendaftar free trial maka akan muncul tampilan berikut

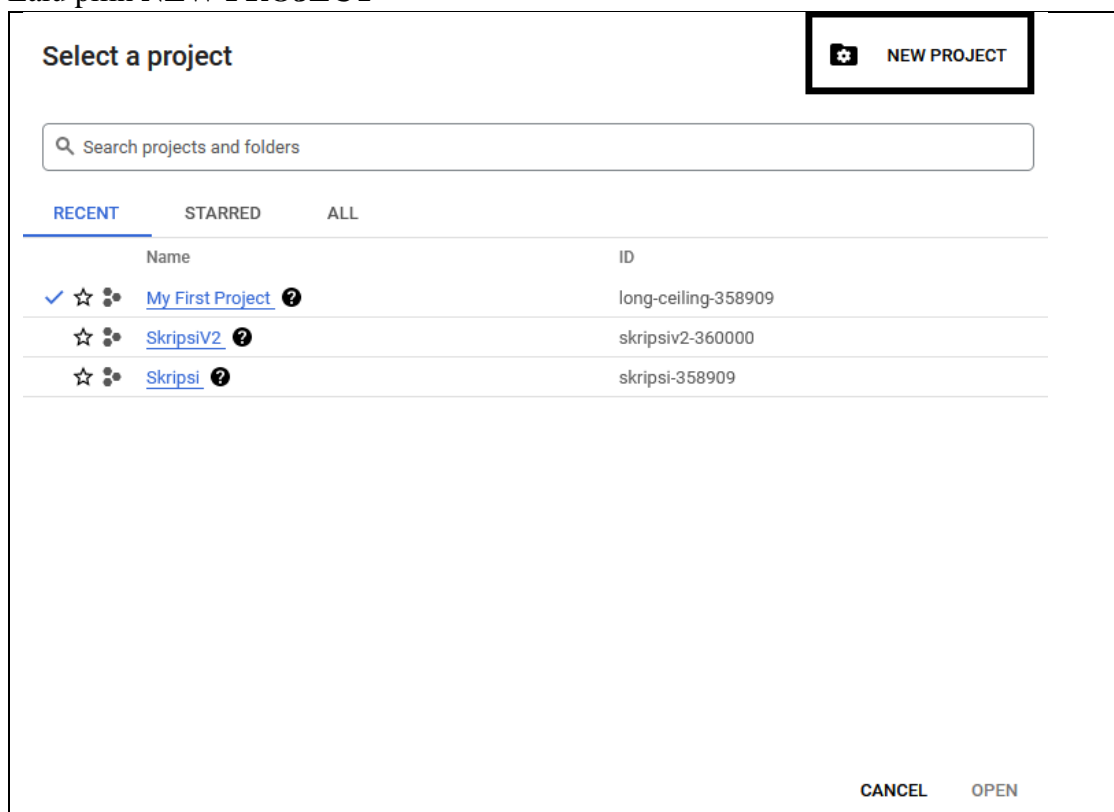


Penggunaan Deployment Manager untuk Hosting CMS Python

1. Buat project baru dengan cara pilih My First Project



2. Lalu pilih **NEW PROJECT**



3. Masukkan nama project lalu pilih Create

New Project

You have 3 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project name *
Request01

Project ID: request01. It cannot be changed later. [EDIT](#)

Location *
 No organization [BROWSE](#)

Parent organization or folder

CREATE CANCEL

4. Project yang berhasil dibuat akan muncul di notifikasi lalu pilih **SELECT PROJECT**

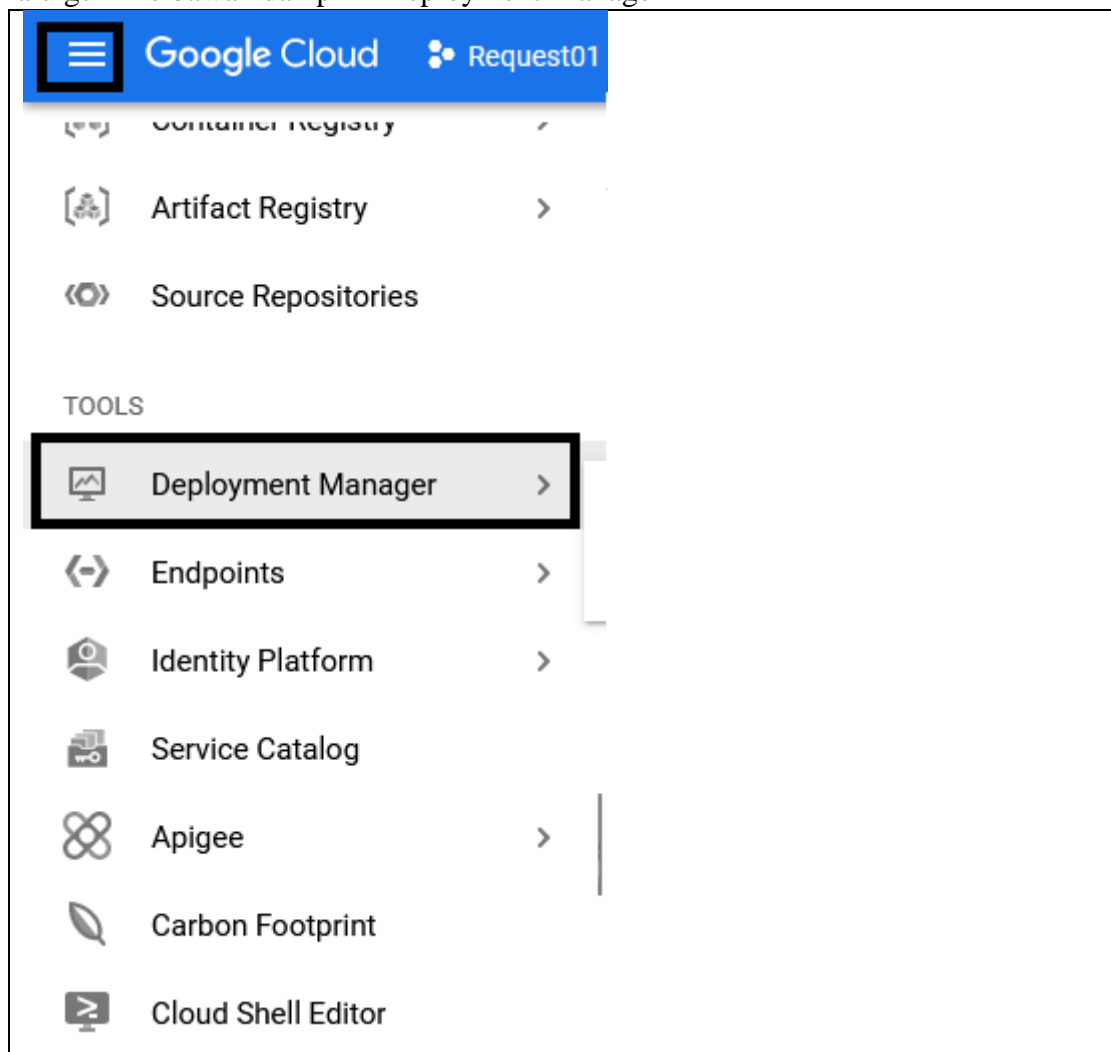
Notifications

Create Project: Request01 Just now
[SELECT PROJECT](#)

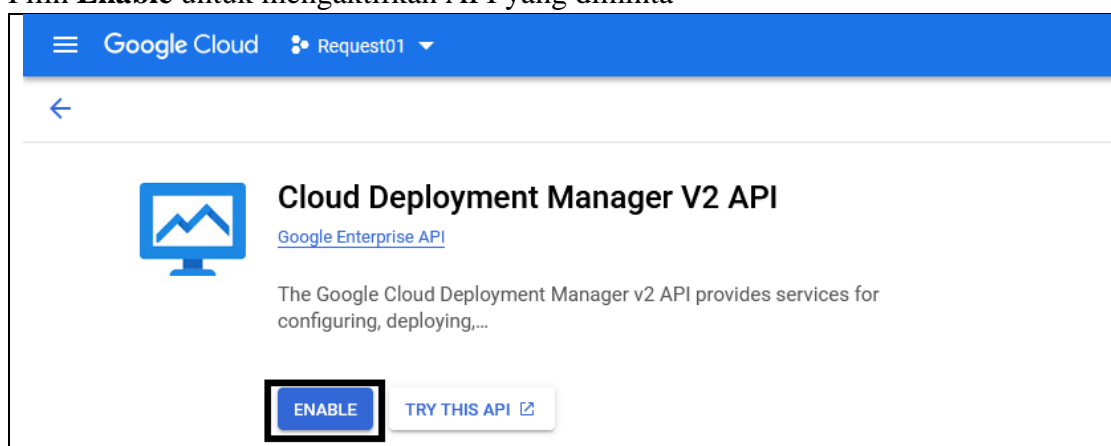
Stop VM instance "uji1-vm" 5 days ago
SkripsiV2

Create firewall rule "uji1-tcp-8000" 5 days ago

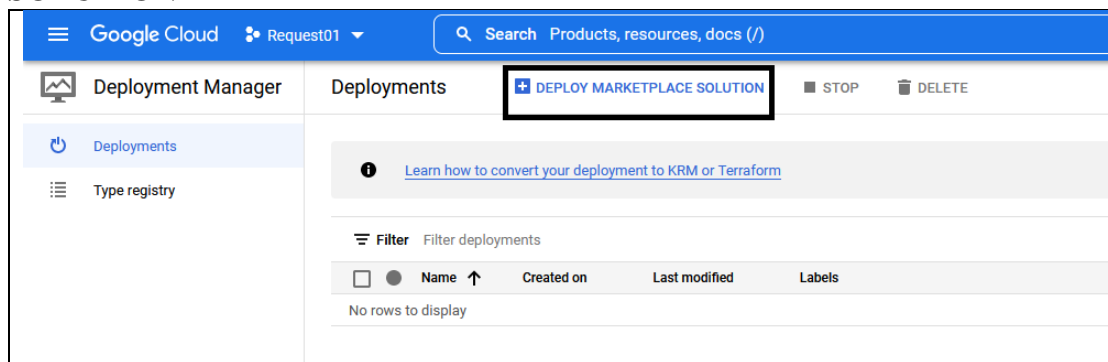
5. Setelah masuk ke dalam project yang baru saja dibuat lalu pilih Menu (Pojok kiri atas) lalu gulir ke bawah dan pilih Deployment Manager



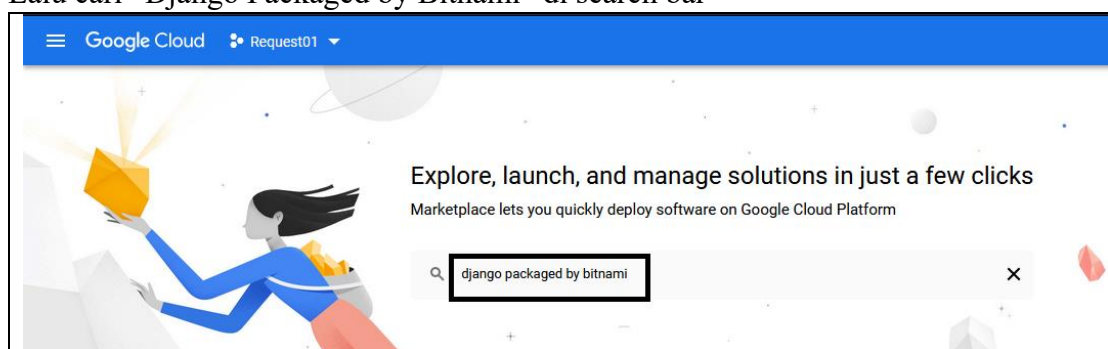
6. Pilih **Enable** untuk mengaktifkan API yang diminta



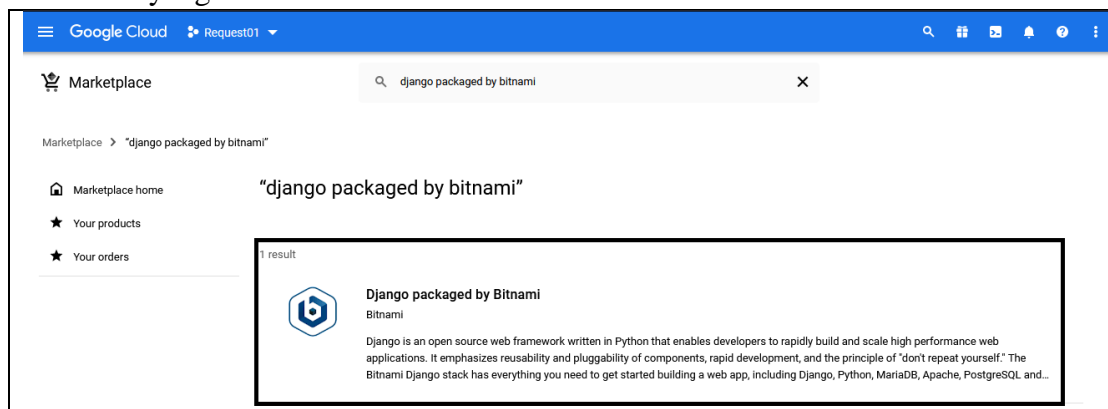
7. Tampilan setelah API berhasil dinyalakan lalu pilih **DEPLOY MARKETPLACE SOLUTION**



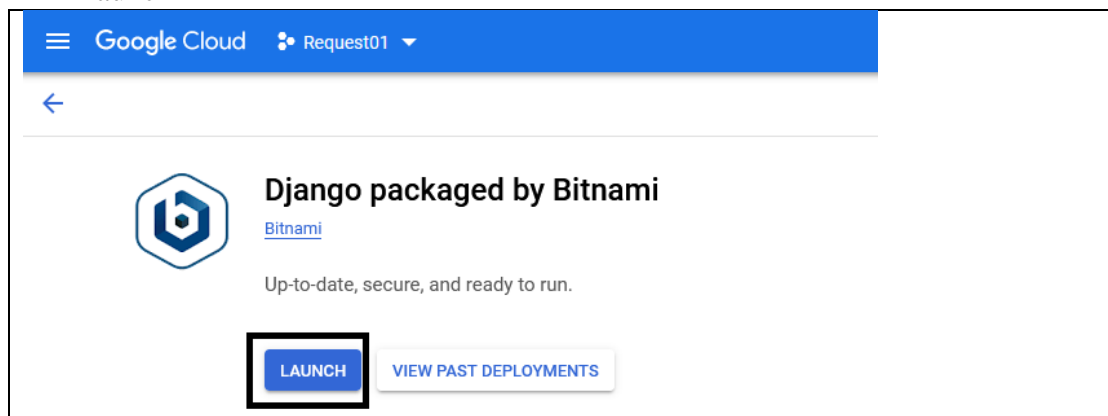
8. Lalu cari “Django Packaged by Bitnami” di search bar



9. Pilih SaaS yang sudah tersedia



10. Pilih Launch



11. Pilih **ENABLE** untuk mengaktifkan API yang diminta

Google Cloud Request01

New Django packaged by Bitnami deployment

Enable required APIs

1

The following APIs are required to deploy a VM product from Marketplace

Compute Engine API

Not enabled

Cloud Deployment Manager V2 API

Enabled

Cloud Runtime Configuration API

Not enabled

ENABLE

SEND FEEDBACK

12. Masukkan beberapa data dengan ketentuan berikut
- Deployment name isi dengan nama deployment
 - Zone isi dengan zona terdekat yaitu Asia-Southeast1-a
 - Series isi dengan E2
 - Lalu centang I Accept Dan pilih Deploy

New Django packaged by Bitnami deployment

Deployment name *
hanga2

Zone
asia-southeast1-a

Machine type

Machine family

GENERAL-PURPOSE

COMPUTE-OPTIMIZED


MEMORY-OPTIMIZED


Machine types for common workloads, optimized for cost and flexibility

Series
E2

CPU platform selection based on availability

Machine type
e2-medium (2 vCPU, 4 GB memory)

vCPU
1-2 vCPU (1 shared core)

Memory
4 GB

Boot Disk

Boot disk type *
Standard Persistent Disk

Boot disk size in GB *
10

Networking


Network interfaces

default default (10.148.0.0/20)

ADD NETWORK INTERFACE

Firewall

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

Creating certain firewall rules may expose your instance to the Internet. Please check if the rules you are creating are aligned with your security preferences. [Learn more](#)

☒ Allow HTTP traffic from the Internet


Source IP ranges for HTTP traffic

☒ Allow HTTPS traffic from the Internet

Source IP ranges for HTTPS traffic

☒ I accept the [GCP Marketplace Terms of Service](#) and [Bitnami Terms of Service](#).

DEPLOY

 **Django pack**
Product provided by:

Bitnami Django Stack Usage Fee
Bitnami does not charge a usage fee.

Infrastructure fee
VM instance: 1 shared vCPU +
Standard Persistent Disk: 10GB
Sustained use discount

Estimated monthly total

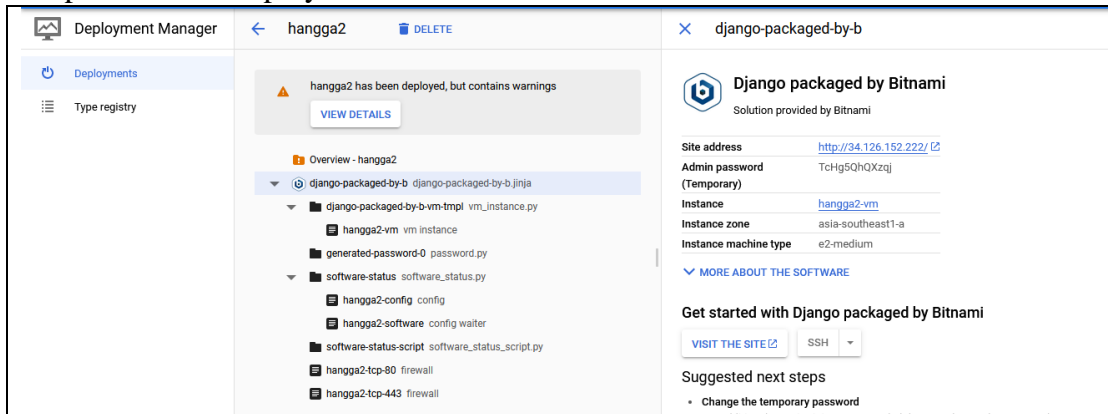
All products are priced in USD at the time of purchase. The price for this month is in IDR.

Prices are estimated based on 3 months of usage. Actual prices may not reflect all Google Cloud products consumed by this product (e.g., Cloud Storage). Bitnami may be able to provide a discount on your Cloud Platform consumption.

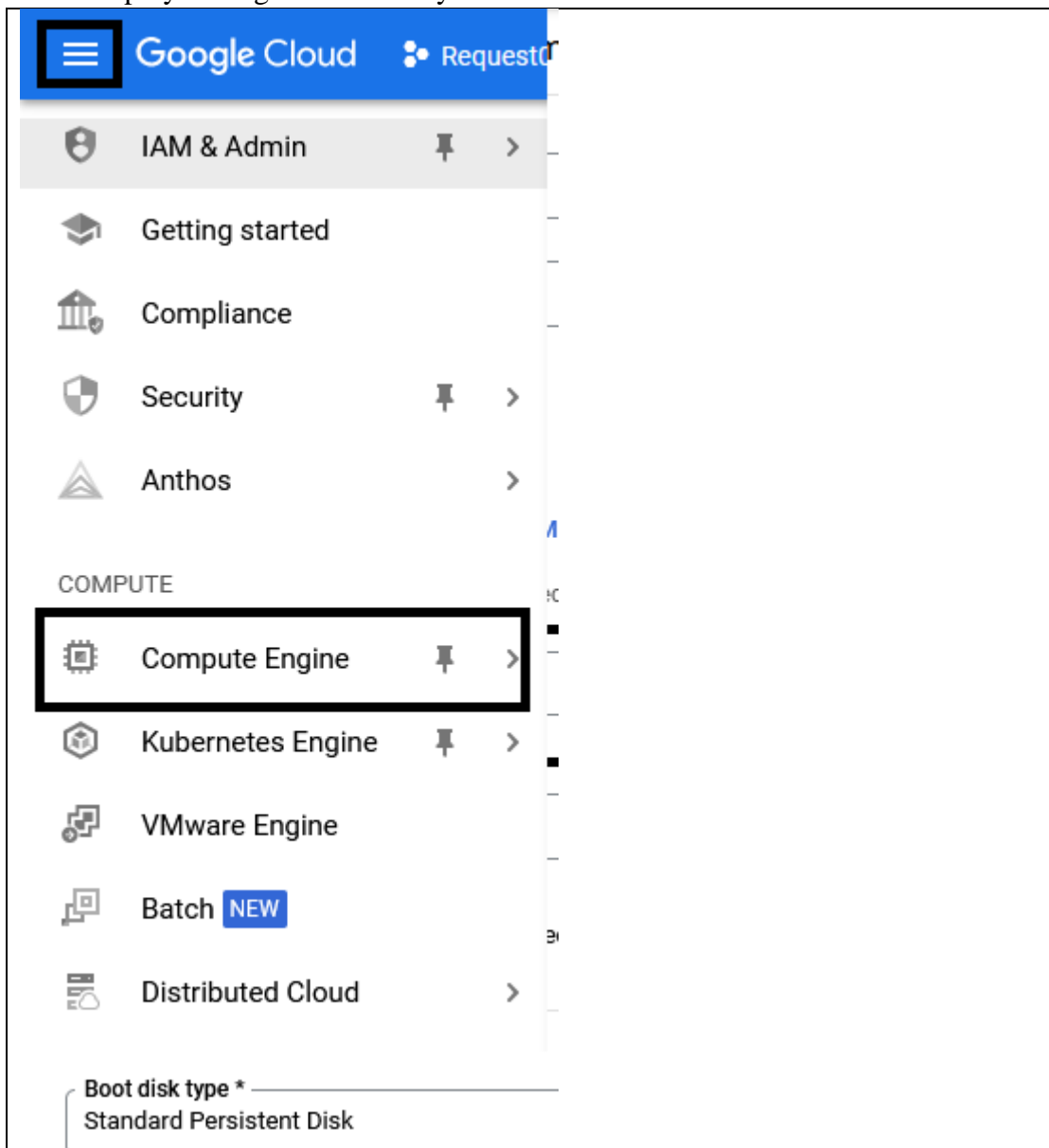
Software

Operating System	Debian
Software	setuptools
	pip
	virtualenv
	Python 3.7
	MySQL
	Redis
	waitress
	Bitnami Django
	Exim
	Mc
	Apache
	Apache
	MySQL
	MySQL
	MySQL
	Apache
	For
	Go
	mc
	go
	No
	Bn
	rer
	pyl
	ps
	Dje

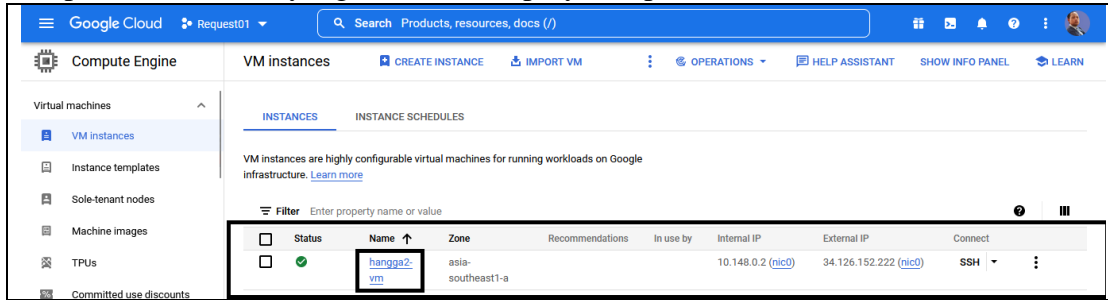
13. Tampilan setelah deployment berhasil



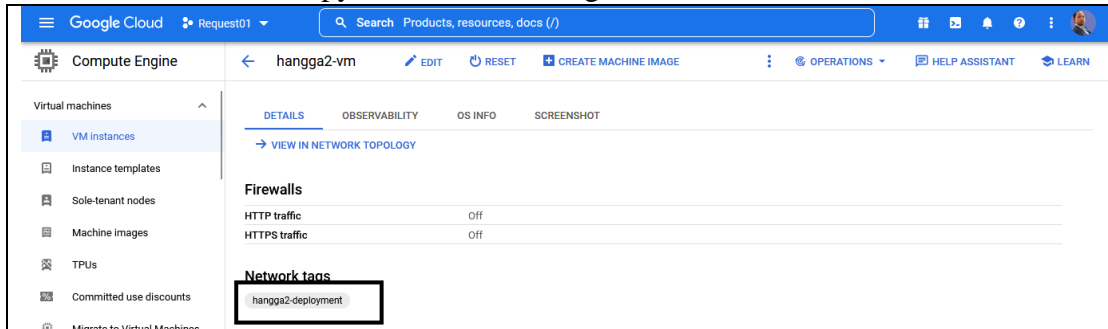
14. Pilih Menu (Pojok kiri atas) lalu pilih Compute Engine untuk melihat server yang telah didploy di langkah sebelumnya



15. Tampilan VM/Server yang berhasil dideploy lalu pilih nama VM

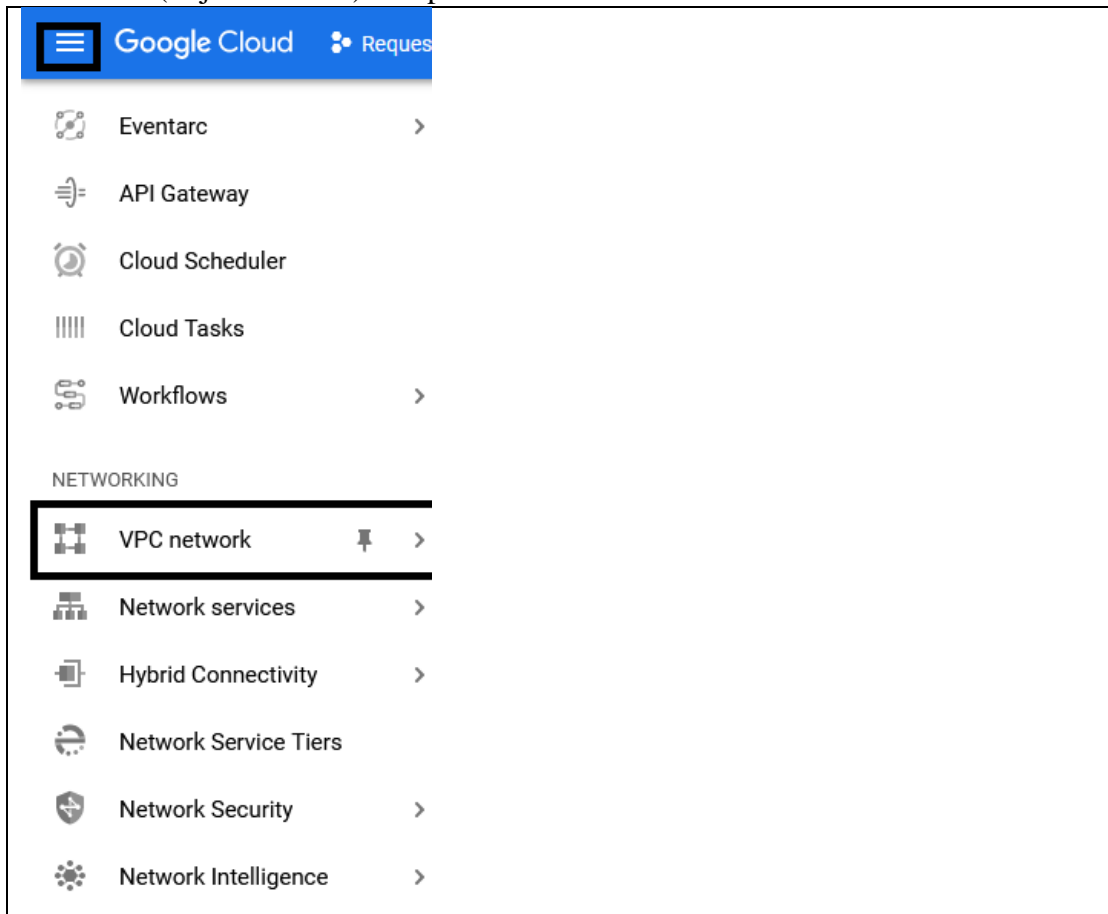


16. Lalu untuk sementara copy/salin Network Tags

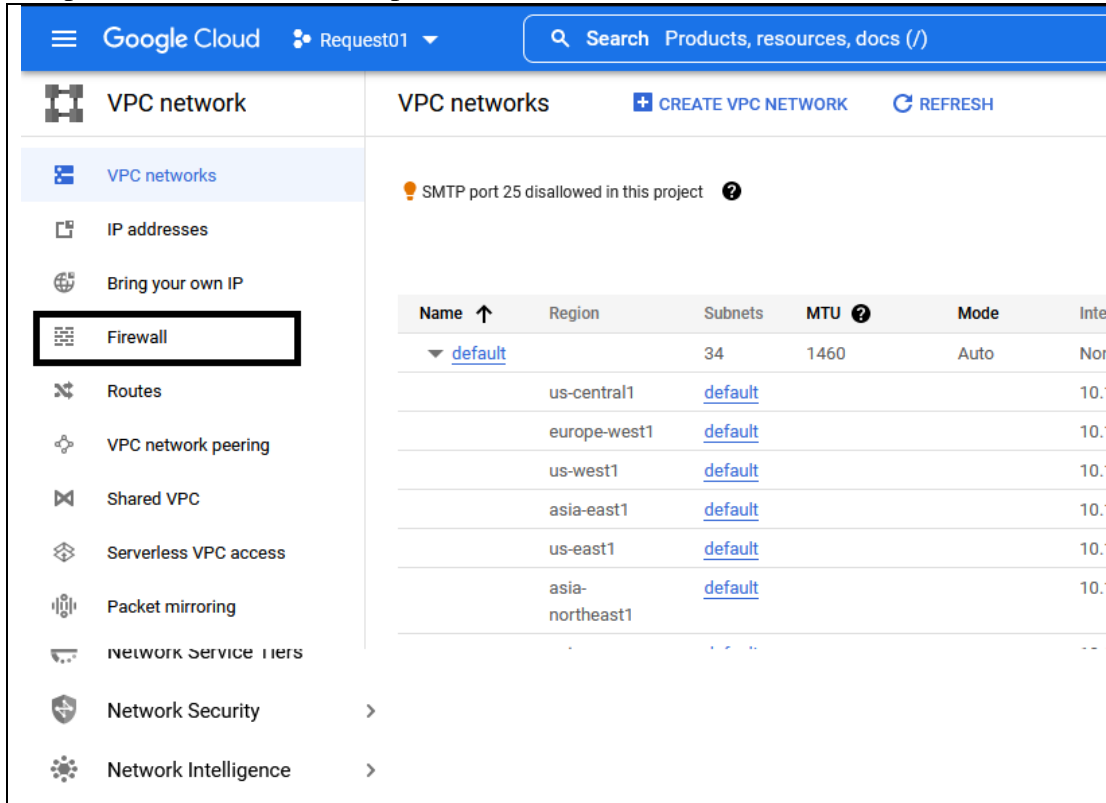


Setting VPC TCP-8000

1. Pilih Menu (Pojok kiri atas) lalu pilih VPC Network



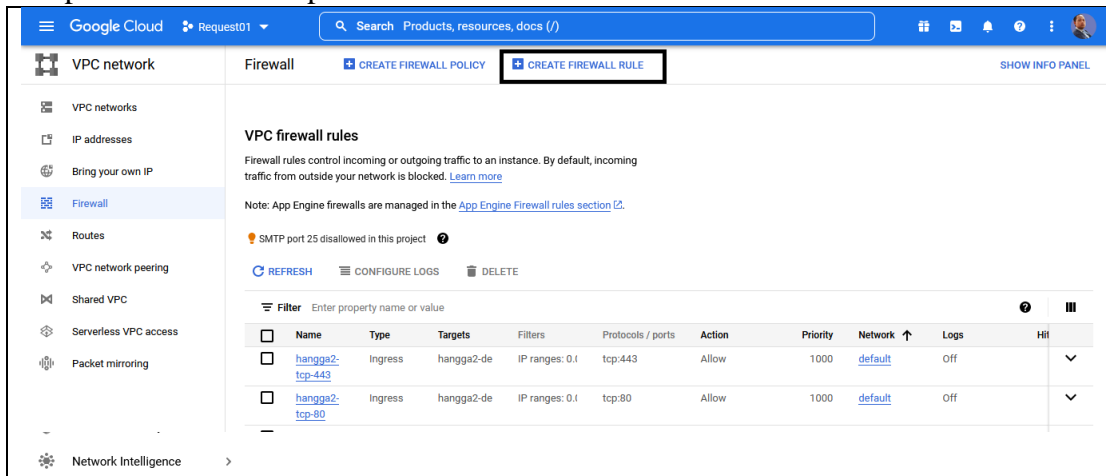
2. Tampilan VPC Network, lalu pilih Firewall



The screenshot shows the Google Cloud console interface for VPC networks. The left sidebar contains a list of network-related services, with 'Firewall' highlighted by a black rectangular box. The main content area displays 'VPC networks' with a warning message: 'SMTP port 25 disallowed in this project'. Below this is a table listing VPC networks across different regions.

Name	Region	Subnets	MTU	Mode	Inte
default		34	1460	Auto	Nor
	us-central1	default			10.0
	europa-west1	default			10.0
	us-west1	default			10.0
	asia-east1	default			10.0
	us-east1	default			10.0
	asia-northeast1	default			10.0

3. Tampilan Firewall lalu pilih Create Firewall Rule



The screenshot shows the Google Cloud console interface for Firewall. The left sidebar contains a list of network-related services, with 'Firewall' highlighted. The main content area displays 'VPC firewall rules' with a warning message: 'SMTP port 25 disallowed in this project'. Below this is a table listing existing firewall rules. The 'CREATE FIREWALL RULE' button is highlighted by a black rectangular box.

Name	Type	Targets	Filters	Protocols / ports	Action	Priority	Network	Logs	Hit
hanga2-tcp-443	Ingress	hanga2-de	IP ranges: 0.0.0.0/0	tcp:443	Allow	1000	default	Off	✓
hanga2-tcp-80	Ingress	hanga2-de	IP ranges: 0.0.0.0/0	tcp:80	Allow	1000	default	Off	✓

4. Masukkan data dengan ketentuan berikut
 - a. Name isi dengan nama Firewall
 - b. Targets pilih **Specified target tags**
 - c. Target tags isi dengan **Network tags yang telah disalin** dari VM/server deployment sebelumnya
 - d. Source filter isi dengan **IPv4 ranges**
 - e. Source Ipv4 ranges isi dengan 0.0.0.0/0
 - f. Pilih **Specified field protocols and ports**
 - g. Centang **TCP** lalu isi dengan ports **8000** lalu pilih Create

Google Cloud

Request01

Search Products, resources, docs (/)

VPC network

VPC networks

IP addresses

Bring your own IP

Firewall

Routes

VPC network peering

Shared VPC

Serverless VPC access

Packet mirroring

Create a firewall rule

Firewall rules control incoming or outgoing traffic to an instance. By default, incoming traffic from outside your network is blocked. [Learn more](#)

Name *

hangga2-tcp-8000

Lowercase letters, numbers, hyphens allowed

Description

Logs

Turning on firewall logs can generate a large number of logs which can increase costs in Cloud Logging. [Learn more](#)

On

Off

Network *

default

Priority *

1000

CHECK PRIORITY OF OTHER FIREWALL RULES

Priority can be 0 - 65535

Direction of traffic

Ingress

Egress

Action on match

Allow

Deny

Targets

Specified target tags

Target tags *

hangga2-deployment

Source filter

IPv4 ranges

Source IPv4 ranges *

0.0.0.0/0

for example, 0.0.0.0/0, 192.168.2.0/24

Second source filter

None

Protocols and ports

Allow all

Specified protocols and ports

TCP

Ports

8000

E.g. 20, 50-60

UDP

Ports

E.g. all

Other

Protocols

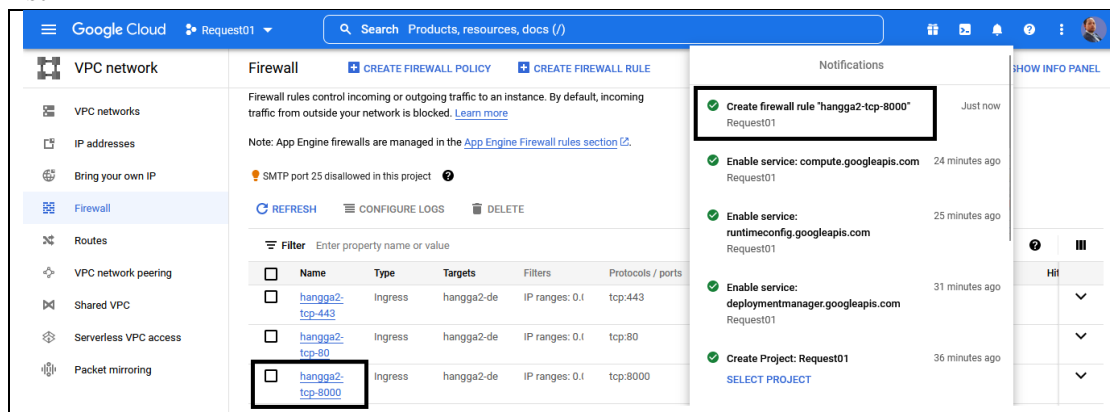
Separate multiple protocols by commas, e.g. ah, sctp

DISABLE RULE

CREATE

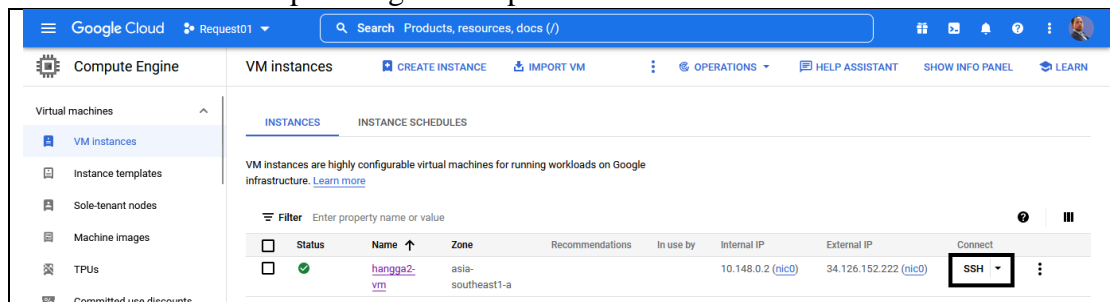
CANCEL

5. Tampilan jika firewall berhasil dibuat maka akan muncul notif dan firewall berada di list

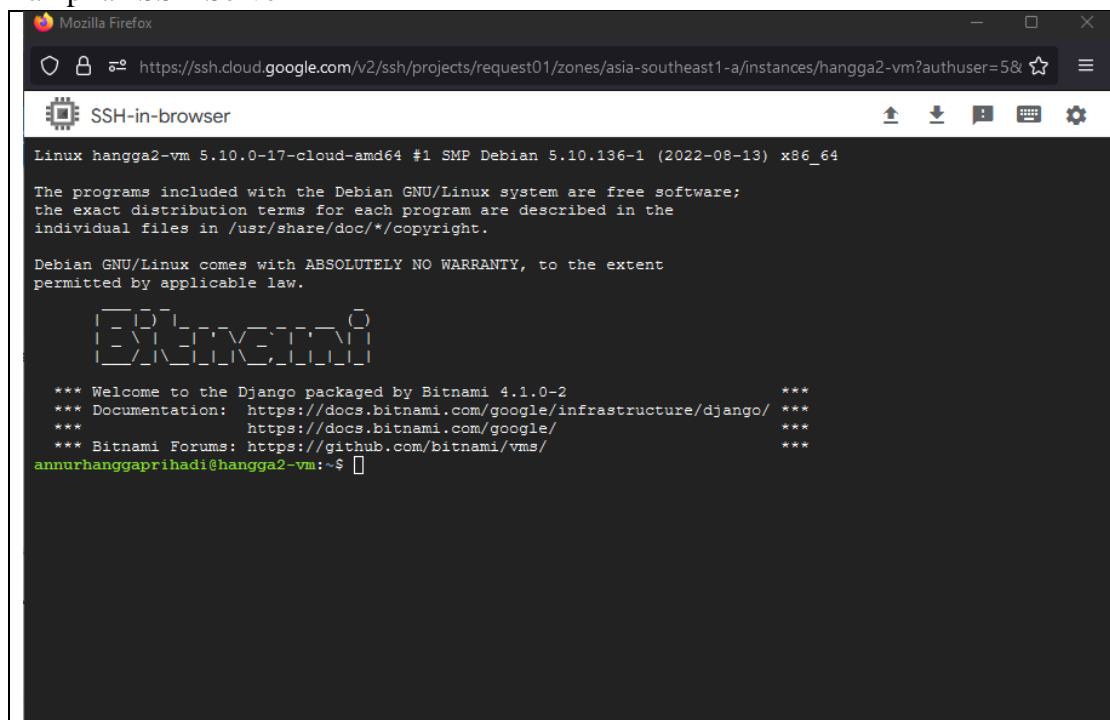


Deploy CMS Python di VM/Server

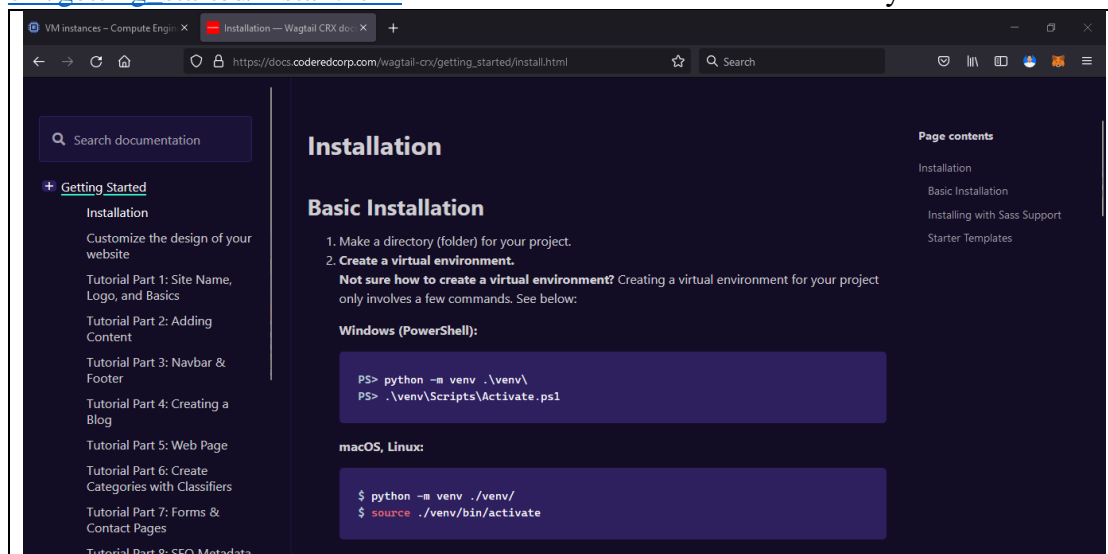
1. Masuk ke dalam Compute Engine lalu pilih SSH



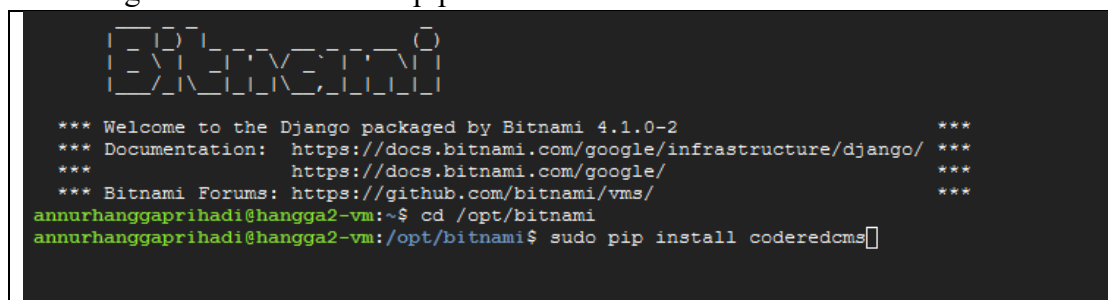
2. Tampilan SSH Server



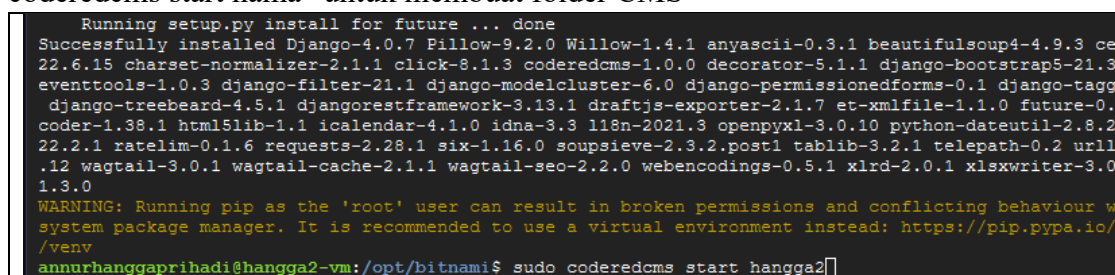
3. Buka tautan berikut “https://docs.coderedcorp.com/wagtail-crx/getting_started/install.html” untuk melihat cara instalasi CMS Python di Server



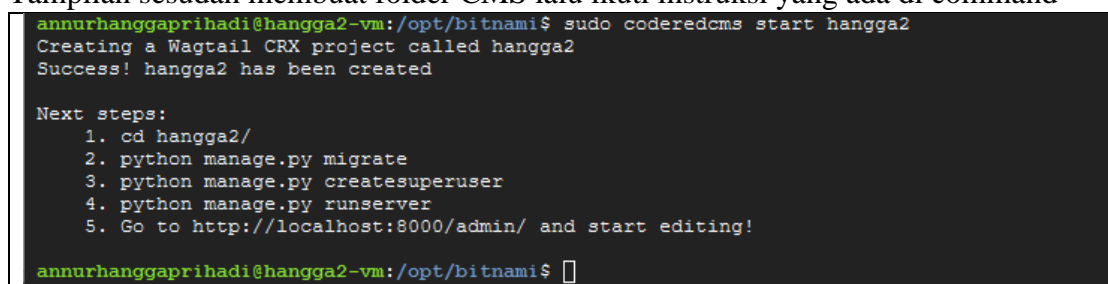
4. Kembali ke SSH Server lalu masuk ke directory berikut “/opt/bitnami” dengan cara mengetik command berikut “cd /opt/bitnami” lalu install CMS Coderedcms dengan cara mengetik command “sudo pip install coderedcms”



5. Tampilan setelah berhasil install coderedcms, lalu ketik commad berikut “sudo coderedcms start nama” untuk membuat folder CMS



6. Tampilan sesudah membuat folder CMS lalu ikuti instruksi yang ada di command



7. Pindah ke directory sesuai nama folder CMS dengan cara ketik command “cd namafolder”

```
Next steps:
1. cd hangga2/
2. python manage.py migrate
3. python manage.py createsuperuser
4. python manage.py runserver
5. Go to http://localhost:8000/admin/ and start editing!

annurhanggaprihadi@hangga2-vm:/opt/bitnami$ cd hangga2/
annurhanggaprihadi@hangga2-vm:/opt/bitnami/hangga2$
```

8. Lalu lakukan langkah ke 2 sesuai instruksi untuk migrasi database sesuai dengan aturan framework dengan cara ketik “sudo python manage.py migrate”

```
Next steps:
1. cd hangga2/
2. python manage.py migrate
3. python manage.py createsuperuser
4. python manage.py runserver
5. Go to http://localhost:8000/admin/ and start editing!

annurhanggaprihadi@hangga2-vm:/opt/bitnami$ cd hangga2/
annurhanggaprihadi@hangga2-vm:/opt/bitnami/hangga2$ sudo python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, coderedcms, contenttypes, sessions, taggit, wagtailadmin, wagtailcore,
  wagtaildocs, wagtailembeds, wagtailforms, wagtailimages, wagtailredirects, wagtailsearch, wagtailseo, wagtail
  users, website
Running migrations:
  Applying contenttypes.0001_initial... OK
  Applying auth.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_auto_add... OK
  Applying admin.0003_logentry_add_action_flag_choices... OK
  Applying contenttypes.0002_remove_content_type_name... OK
  Applying auth.0002_alter_permission_name_max_length... OK
```

9. Lalu lakukan langkah ke 3 sesuai instruksi untuk membuat super user dengan cara ketik “sudo python manage.py createsuperuser” lalu input data dengan ketentuan berikut

- Username isi dengan nama user
- Email address isi dengan email
- Password isi dengan password (Saat isi password memang tidak akan muncul huruf di SSH)
- Password (again) isi dengan password yang sama

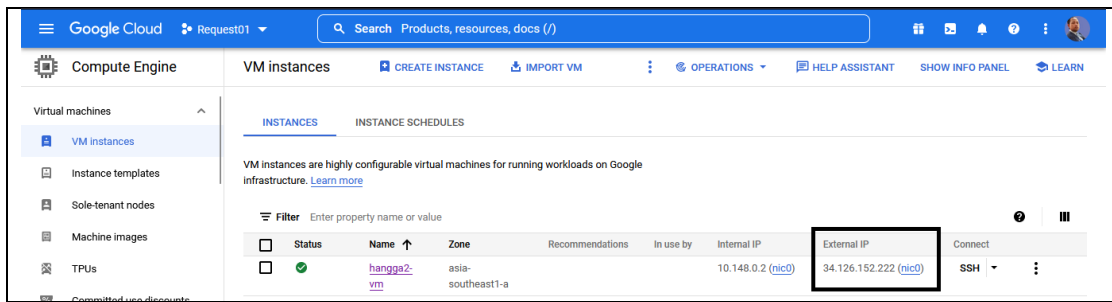
```
annurhanggaprihadi@hangga2-vm:/opt/bitnami/hangga2$ sudo python manage.py createsuperuser
Username (leave blank to use 'root'): hangga
Email address: misterxp66@gmail.com
Password:
Password (again):
Superuser created successfully.
annurhanggaprihadi@hangga2-vm:/opt/bitnami/hangga2$
```

10. Lalu lakukan langkah ke 4 sesuai instruksi untuk menjalankan server dengan cara ketik command “sudo python manage.py runserver 0.0.0.0:8000”

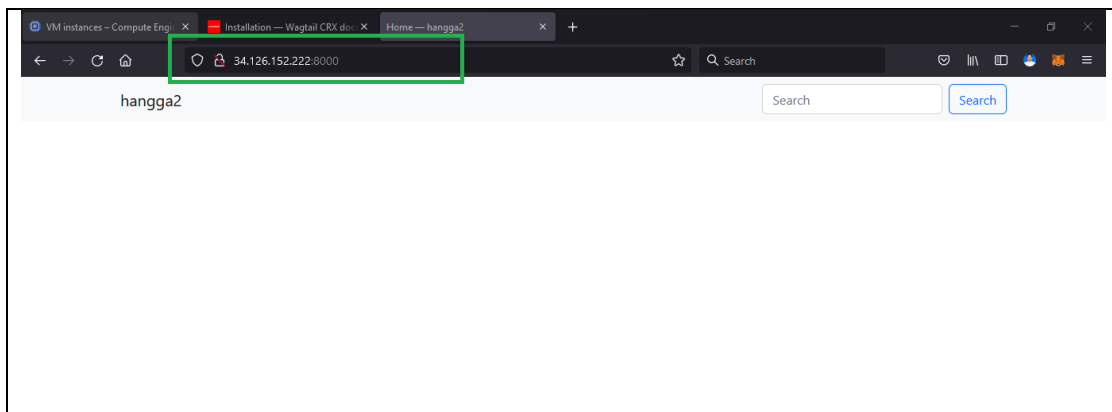
```
annurhanggaprihadi@hangga2-vm:/opt/bitnami/hangga2$ sudo python manage.py runserver 0.0.0.0:8000
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
August 24, 2022 - 22:55:09
Django version 4.0.7, using settings 'hangga2.settings.dev'
Starting development server at http://0.0.0.0:8000/
Quit the server with CONTROL-C.
```

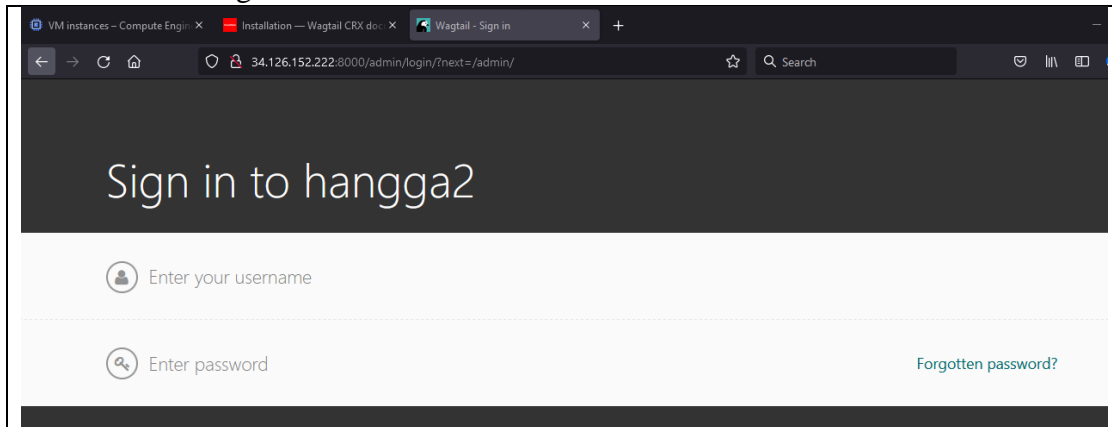

11. Buka CMS di browser dengan cara kembali ke tampilan Compute Engine lalu salin External IP



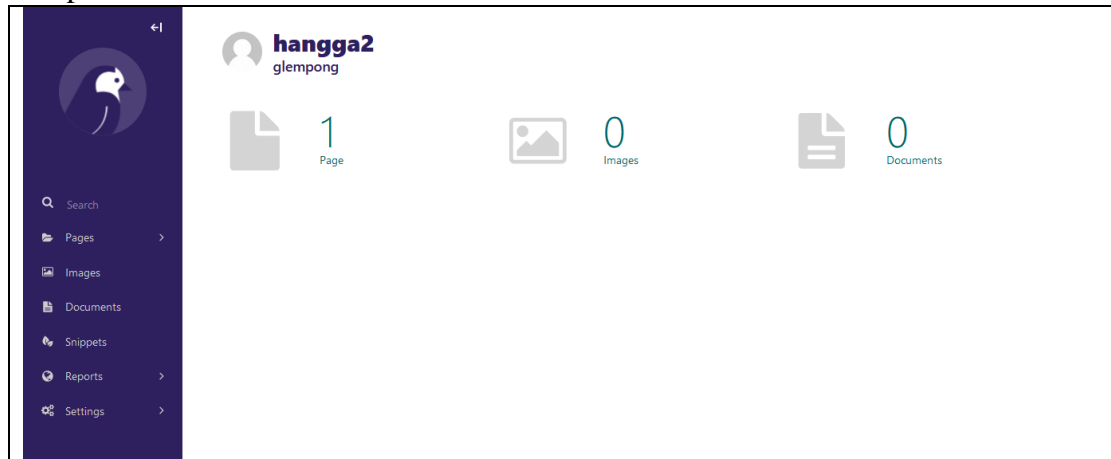
12. Lalu tempelkan External IP di address bar browser lalu tambahkan port 8000 seperti berikut “34.126.152.222:8000”



13. Lalu untuk masuk ke bagian admin bisa ditambahkan “/admin” di belakang port seperti berikut “34.126.152.222:8000/admin” selanjutnya masukkan superuser yang telah dibuat di langkah nomor 9



14. Tampilan dashboard admin CMS



15. Langkah selanjutnya untuk memodifikasi konten CMS bisa diikuti sesuai saran dari instruksi pada tautan berikut https://docs.coderedcorp.com/wagtail-crx/getting_started/tutorial01.html

16. Untuk mematikan server bisa kembali ke Compute Engine lalu pilih titik tiga pada VM dan pilih Stop

