



- a. Instance
 - instance information
 - REGION: us-central1-c
 - TYPE: e2-micro
 - OS: Ubuntu 22.04 LTS
 - DISK: 25 GB

Basic information

| | |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Name | dot-instances |
| Instance Id | 3608704689981029071 |
| Description | None |
| Type | Instance |
| Status |  Running |
| Creation time | Nov 15, 2024, 7:52:52 PM UTC+07:00 |
| Location  | us-central1-c |

Machine configuration


| | |
|----------------------|----------|
| Machine type | e2-micro |
| CPU platform | AMD Rome |
| Minimum CPU platform | None |
| Architecture | x86/64 |

Firewalls

| | |
|-----------------------------------|-----|
| HTTP traffic | On |
| HTTPS traffic | On |
| Allow Load Balancer Health checks | Off |

Storage

Boot disk

| Name  | Image | Interface type | Size (GB) | Device name | Type | Architecture | Encryption | Mode | Wh |
|------------------------------------------------------------------------------------------|---------------------------------------------|----------------|-----------|--------------------------|--------------------------|--------------|----------------|------------------|-----|
| dot-instances | ubuntu-2204-jammy-v20240927 | SCSI | 25 | instance-20241115-124309 | Balanced persistent disk | x86/64 | Google-managed | Boot, read/write | Del |

Instance creation step

fill the information for Name of instance, Region and Zone that we need.

Name *
dot-instance

MANAGE TAGS AND LABELS

Region *
us-central1 (Iowa)

Zone *
us-central1-c

Region is permanent

Zone is permanent

in the Machine Configuration choose E2, and chose e2-micro at Machine type

Machine types for common workloads, optimized for cost and flexibility

| Series | Description | vCPUs | Memory | Platform |
|-------------------------------------|-----------------------------------------|-----------|--------------|--------------------|
| <input type="radio"/> C4 | Consistently high performance | 2 - 192 | 4 - 1,488 GB | Intel Emerald Rapi |
| <input type="radio"/> C4A | Arm-based consistently high performance | 1 - 72 | 2 - 576 GB | Google Axion |
| <input type="radio"/> N4 | Flexible & cost-optimized | 2 - 80 | 4 - 640 GB | Intel Emerald Rapi |
| <input type="radio"/> C3 | Consistently high performance | 4 - 192 | 8 - 1,536 GB | Intel Sapphire Rap |
| <input type="radio"/> C3D | Consistently high performance | 4 - 360 | 8 - 2,880 GB | AMD Genoa |
| <input checked="" type="radio"/> E2 | Low cost, day-to-day computing | 0.25 - 32 | 1 - 128 GB | Based on availabil |

Filter instance sizes

Shared-core

Standard

High memory

High CPU

e2-micro


0.25-2 vCPU (1 shared core), 1 GB memory

e2-small

0.5-2 vCPU (1 shared core), 2 GB memory

e2-medium

1-2 vCPU (1 shared core), 4 GB memory



vCPU

0.25-2 vCPU (1 shared core)

Memory

1 GB

at Boot Disk, click CHANGE and adjust at PUBLIC IMAGES for Operating system, Version, and the Size

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 22.04 LTS

x86/64, amd64 jammy image built on 2024-11-15

Boot disk type *

Balanced persistent disk

[COMPARE DISK TYPES](#)

Size (GB) *

25

Provision between 10 and 3072 GB

[SHOW ADVANCED CONFIGURATION](#)

in the Firewall settings, check Allow HTTP traffic and Allow HTTPS Traffic

Firewall ?

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



Allow HTTP traffic



Allow HTTPS traffic



Allow Load Balancer Health Checks

then click create and wait until the process finish.

b. Stack Environment

NGINX as Web Server reverse proxy

PHP 8.2 (REQUIRED VERSION TO DEPLOY APPLICATION)

MySQL 5.7 as Database for app

Composer (to install application)

Docker (Deploy js application)

c. Deployment Step

For application A, Laravel Application

#clone repository

git clone <https://github.com/nasirkhan/laravel-starter.git>

cd /Laravel-starter

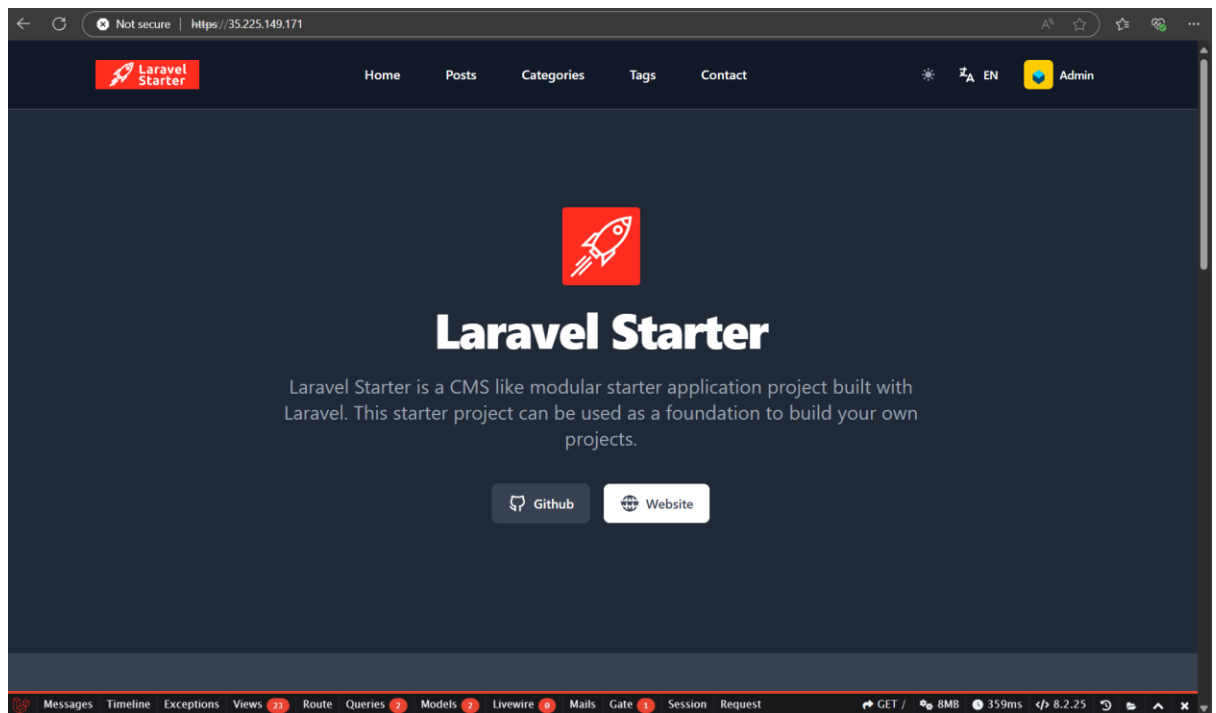
#compile

composer install

#start application

php artisan serve #command will running application

#accessing from the browser after configuration with nginx as reverse proxy



#website is installed with HTTPS


#Data demo

Not secure | <https://35.225.149.171/posts>

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In dicta est saepe

Super Admin



Est est dicta iure

Super Admin



Et illum et aut rem aut

Super Admin


Messages Timeline Exceptions Views 178 Route Queries 34 Models 147 Livewire 8 Mails Gate 1 Session Request GET posts 4MB 342ms 8.2.25

Not secure | <https://35.225.149.171/posts/tl/in-dicta-est-saepe>

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In dicta est saepe

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