

Setup Server Ubuntu 22.04 Deploy Database & Laravel 12 on VPS Biznet GioCloud

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CODE
with BAHRI



JAGO
Flutter

Create Account Biznet GioCloud

<https://portal.biznetgio.com/user/register>



Register

First Name

Last Name

Email Address

Password

Confirm Password

Mobile Phone Number

 +62 ▾

☐ I accept [Terms and Conditions](#).

CREATE ACCOUNT

Have an account? [Login here](#)



Create Server Biznet GioCloud



Dashboard

Compute

NEO Virtual Compute

NEO Lite

NEO Metal

NEO Metal PX

Storage & Backup

Web

Domain

AI & ML

Others

Billing & Payment

Generate API Key

Support

Documentation

NEO Lite

Snapshot

SSH Key

Compute > NEO Lite > Create

Create NEO Lite

Neo Lite Service Name

fic07fullstack

Region

West Java

Neo Lite Flavor

Product

SS 2.1

Cycle

Monthly

CPU	RAM	Disk	NIC
1 vCPU	2 GB	60 GB	1 IP Address

Rp75.000,00/Monthly

Template

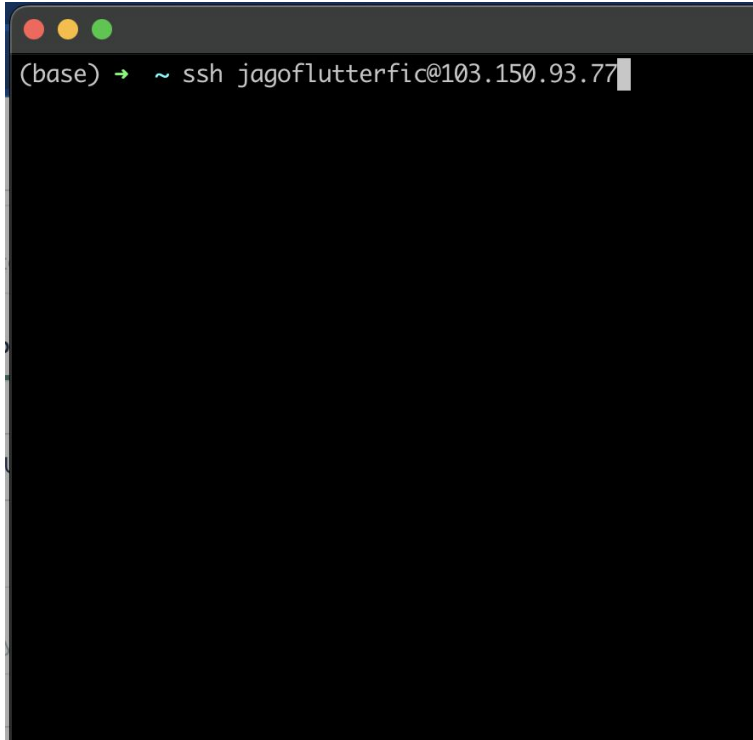
Operating System

Snapshot

Ubuntu-22.04

Login Server via ssh

- ssh username@ippublic

A screenshot of a terminal window with a dark background. The window has three colored window control buttons (red, yellow, green) in the top-left corner. The prompt is "(base) →" followed by a tilde "~" and the command "ssh jagoflutterfic@103.150.93.77". A white cursor is positioned at the end of the command.

```
(base) → ~ ssh jagoflutterfic@103.150.93.77
```

Install Mysql/mariadb

```
sudo apt-get update
```

```
sudo apt install mariadb-server mariadb-client
```

```
sudo mysql_secure_installation
```

Enter current password for root: (Enter your SSH root user password)

-Switch to unix_socket authentication [Y/n]: Y

-Change the root password? [Y/n]: Y

It will ask you to set new MySQL root password at this step. This can be different from the SSH root user password.

-Remove anonymous users? [Y/n] Y

-Disallow root login remotely? [Y/n]: N

This is set as N because we might want to access the database from a remote server for using business analytics software like Metabase / PowerBI / Tableau, etc.

-Remove test database and access to it? [Y/n]: Y

-Reload privilege tables now? [Y/n]: Y

Connect Mysql/mariadb

MySQL Connection

Name

fic12-biznet

Ver.

Default

Status color

Tag

local

Host

127.0.0.1

Port

3306

☐ Use socket

/tmp/mysql.sock

User

root

Other options

▼

Password

••••••••

Store in keychain

⬆

Database

database name

Bootstrap commands...

SSL mode

PREFERRED

⬆

SSL keys

Key...

Cert...

CA Cert...

—

Over SSH

Server

103.127.132.165

Port

22

User

codewithbahri

Password

password

Store in keychain

⬆

☒ Use SSH key

id_rsa

—

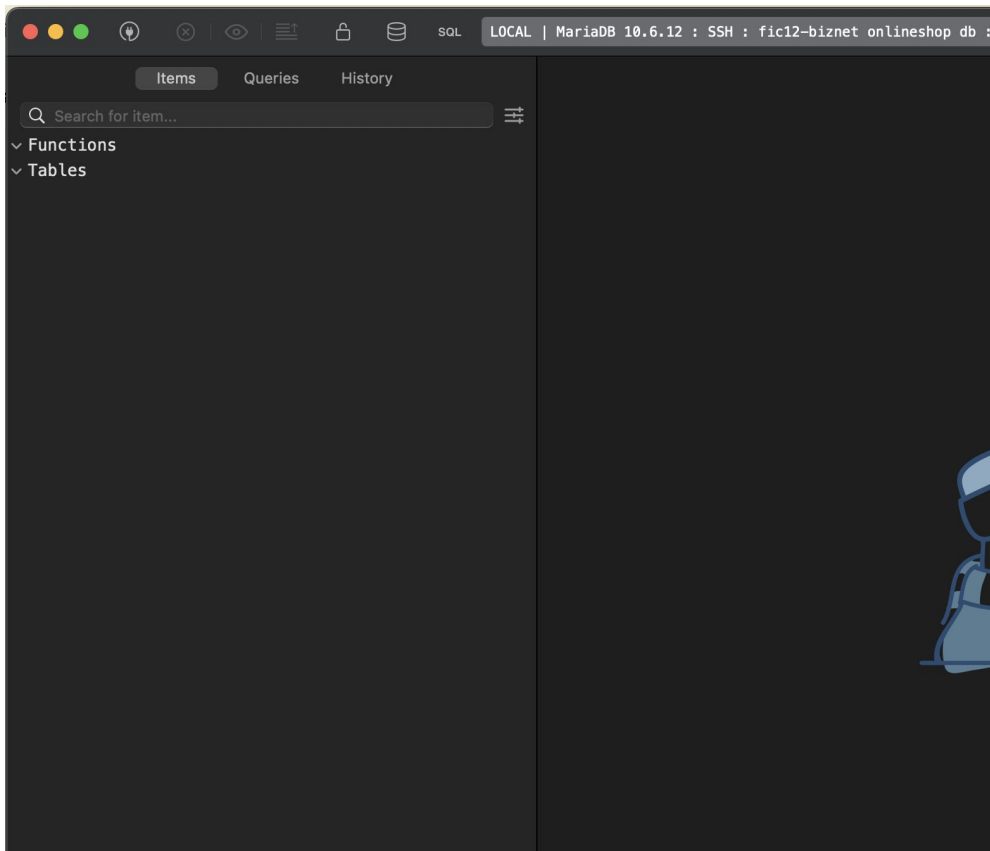
TablePlus will use ~/.ssh/config if you leave private key empty

Save

Test

Connect

Testing Mysql/mariadb



Install Web server Nginx

```
sudo apt install nginx
```

Install PHP

```
sudo dpkg -l | grep php | tee packages.txt
```

```
sudo add-apt-repository ppa:ondrej/php
```

```
sudo apt update
```

```
sudo apt install php8.3 php8.3-cli php8.3-{bz2,curl,mbstring,intl}
```

```
sudo apt install php8.3-fpm
```

```
sudo apt install php8.3-mysql
```

```
sudo apt install php8.3-curl php-json php8.3-common php8.3-zip php8.3-gd php8.3-xml php-pear php8.3-bcmath
```

Install Composer

```
curl -sS https://getcomposer.org/installer -o composer-setup.php
```

```
sudo php composer-setup.php --install-dir=/usr/local/bin --filename=composer
```

Clone Project dari Github

```
cd /var/www
```

```
sudo git clone git@github.com:bahrie127/laravel-wisata-backend.git
```

Setting .env

```
cd laravel-clinic-backend
```

```
sudo cp .env.example .env
```

```
sudo vim .env
```

- Edit bagian access database

Composer Install

```
sudo composer install
```

```
sudo php artisan key:generate
```



```
sudo chmod -R 775 storage bootstrap/cache
```

```
sudo chown -R www-data:www-data storage bootstrap/cache
```

```
sudo php artisan storage:link
```

Konfigurasi domain

Masuk ke dns management di cpanel anda, masukan ip server ke Type A

HomeHostingEmailsDomainsVPSBillingPRO Panel

[← Back to domains](#)

fugeeks.id

Domain Overview

DNS / Nameservers

Domain Ownership

MX	@	10	alt4.aspmx.l.google.com	14400	Delete	Edit
MX	@	5	alt1.aspmx.l.google.com	14400	Delete	Edit
MX	@	5	alt2.aspmx.l.google.com	14400	Delete	Edit
A	@	0	103.150.93.77	300	Delete	Edit

Reset DNS records


This feature resets all existing DNS records of fugeeks.id to default.

Reset DNS records

Feature

Tutorials

Feeling lost? There are a lot of tutorials how to make



Konfigurasi nginx

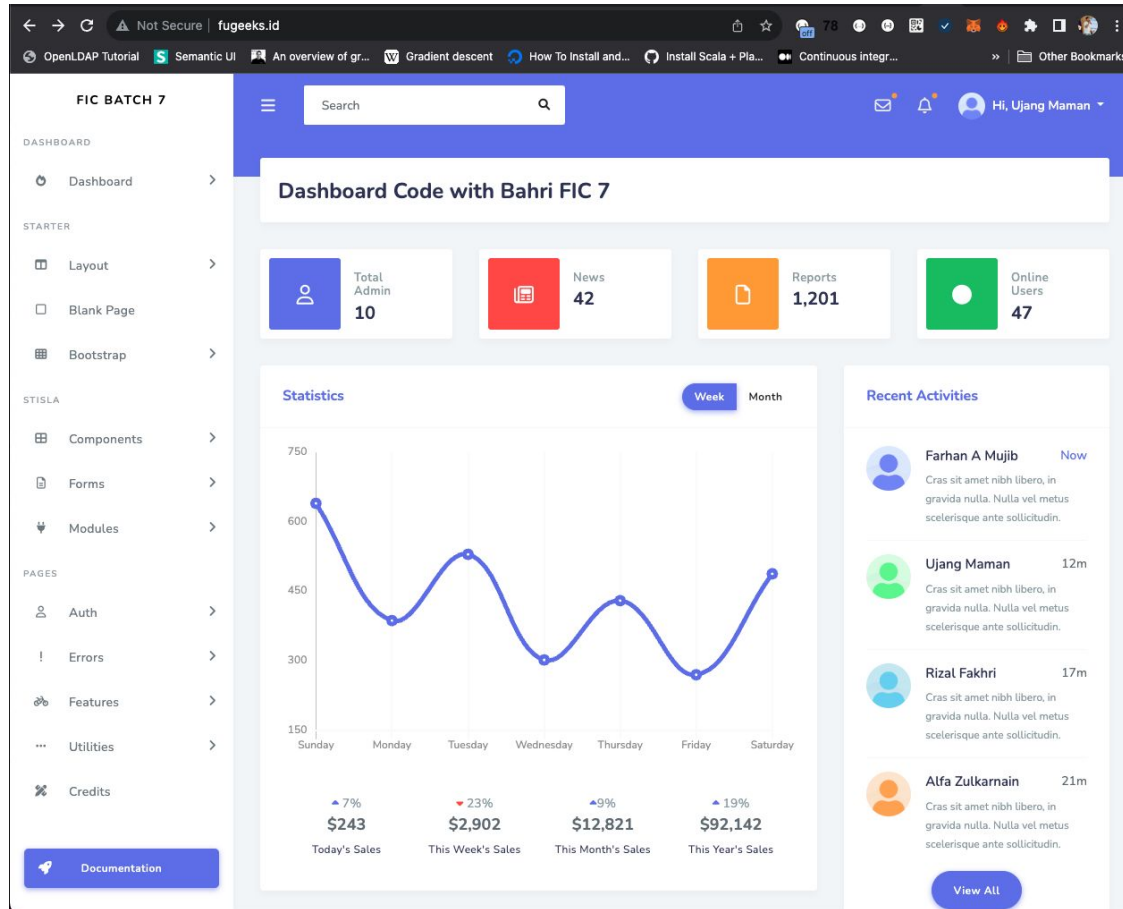
```
sudo vim /etc/nginx/sites-available/wisata.conf
```

```
server {  
    listen 80;  
    server_name wisata.jagofullstack.com www.wisata.jagofullstack.com;  
    root /var/www/laravel-wisata-backend/public;  
    index index.php;  
  
    location / {  
        try_files $uri $uri/ /index.php?$query_string;  
    }  
  
    location ~ \.php$ {  
        include snippets/fastcgi-php.conf;  
        fastcgi_pass unix:/var/run/php/php8.3-fpm.sock; # Sesuaikan versi PHP jika berbeda  
    }  
}
```

Konfigurasi nginx

```
sudo ln -s /etc/nginx/sites-available/wisata.conf /etc/nginx/sites-enabled/  
sudo nginx -t  
sudo systemctl reload nginx
```

Testing App



Setting SSL/https

```
sudo snap install core; sudo snap refresh core
sudo apt remove certbot
sudo snap install --classic certbot
sudo ln -s /snap/bin/certbot /usr/bin/certbot
sudo ufw status
sudo ufw enable
sudo ufw allow 'OpenSSH'
sudo ufw allow 'Nginx Full'
sudo ufw delete allow 'Nginx HTTP'
sudo ufw status
sudo certbot --nginx -d wisata.jagofullstack.com -d www.wisata.jagofullstack.com
sudo systemctl status snap.certbot.renew.service
sudo certbot renew --dry-run
```

Https anda siap ditest di browser : <https://wisata.jagoflutter.com>

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1. <https://www.linkedin.com/in/bahrie/>
2. <https://www.linkedin.com/company/jagoflutter/>
3. <https://www.youtube.com/@codewithbahri>
4. <https://github.com/bahrie127>
5. <https://wa.me/6285640899224>