SnipeIT - Install SnipeIT

1. Pastikan server ubuntu sudah mempunyai koneksi internet.
2. Pastikan Ubuntu yang digunakan LTS.

```
lsb_release -a
```

Output OS Ubuntu version.

```
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 24.04.3 LTS
Release:        24.04
Codename:       noble
```

3. Update dan Upgrade Ubuntu 24.04.

```
apt update && apt upgrade -y
```

4. Install Dependencies.

```
apt install software-properties-common -y
apt install curl -y
apt install unzip -y
apt install zip -y
apt install nano -y
```

5. Install PHP 8.4.

```
add-apt-repository ppa:ondrej/php -y
apt update
apt install -y php8.4 php8.4-bcmath php8.4-common php8.4-ctype php8.4-curl php8.4-fileinfo php8.4-fpm php8.4-gd php8.4-intl php8.4-mbstring php8.4-mysql php8.4-soap php8.4-xml php8.4-xsl php8.4-zip php8.4-cli
```

6. Cek Version

```
php -v
```

Output PHP version.

```
PHP 8.4.11 (cli) (built: Aug  3 2025 08:42:27) (NTS)
Copyright (c) The PHP Group
Built by Debian
Zend Engine v4.4.11, Copyright (c) Zend Technologies
    with Zend OPcache v8.4.11, Copyright (c), by Zend Technologies
```

7. Install Composer.

```
wget -O composer-setup.php https://getcomposer.org/installer
php composer-setup.php --install-dir=/usr/local/bin --filename=composer
```

8. Cek Version

```
composer -V
```

Output Composer version.

```
Composer version 2.8.11 2025-08-21 11:29:39
PHP version 8.4.11 (/usr/bin/php8.4)
Run the "diagnose" command to get more detailed diagnostics output.
```

9. Install MariaDB Server & Client.

```
apt install mariadb-server mariadb-client -y
```

10. Cek Version

```
mariadb -V
```

Output MariaDB version.

```
mariadb  Ver 15.1 Distrib 10.11.13-MariaDB, for debian-linux-gnu (x86_64) using  EditLine wrapper
```

11. Create Database.

```
mysql
```

```
mysql> CREATE DATABASE db_snipeit;
mysql> GRANT ALL on db_snipeit.* to user_snipeit@localhost identified by 'ilusidigital.com';
mysql> FLUSH PRIVILEGES;
mysql> \q
```

12. Create Folder & Download Snipe-IT (Versi yang diunduh tergantung pada yang ingin diinstal.)

```
mkdir -p /var/www/
cd /var/www/
```

```
wget https://github.com/grokability/snipe-it/archive/refs/tags/v8.2.1.zip
unzip v8.2.1.zip
mv snipe-it-8.2.1 snipe-it
cd snipe-it
cp .env.example .env
nano .env
```

13. Basic & Simple Config .env

```
APP_URL=https://assets.ilusidigital.com
APP_TIMEZONE=Asia/Jakarta
#
DB_DATABASE=db_snipeit
DB_USERNAME=user_snipeit
DB_PASSWORD=ilusidigital.com
```

14. Change Ownership.

```
chown -R nginx:nginx /var/www/snipe-it
```

15. Update Dependencies Composer & Laravel.

```
cd /var/www/snipe-it/
composer update --no-plugins --no-scripts
composer install --no-dev --prefer-source --no-plugins --no-scripts
php artisan migrate --seed
php artisan key:generate
```

16. Klik link berikut untuk Install Nginx Ubuntu
17. Backup file config default nginx.

```
cd /etc/nginx/conf.d/
mv default.conf default.conf.backup
```

18. Create Folder Log dan Edit Konfigurasi Nginx untuk SnipeIT :

```
mkdir -p /var/log/nginx/snipeit/
nano /etc/nginx/conf.d/snipeit.conf
```

19. Konfigurasi Nginx SnipeIT :

```
server {
    listen 80;
    server_name assets.ilusidigital.com;
```

```
    root /var/www/snipe-it/public;
    index index.php;

    access_log /var/log/nginx/snipeit/snipeit_access.log;
    error_log  /var/log/nginx/snipeit/snipeit_error.log warn;

    location / {
        try_files $uri $uri/ /index.php?$query_string;
    }

    location ~ \.php$ {
        include fastcgi_params;
        fastcgi_pass unix:/run/php/php8.4-fpm.sock;
        fastcgi_index index.php;
        fastcgi_split_path_info ^(.+\.php)(/.+)$;
        fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
        fastcgi_param PATH_INFO $fastcgi_path_info;
        fastcgi_read_timeout 300;
        fastcgi_connect_timeout 300;
        fastcgi_send_timeout 300;

    }

    location ~ /\.ht {
        deny all;
    }
}
```

20. Ubah default user.

```
nano /etc/nginx/nginx.conf
```

21. Edit pool config PHP-FPM (biasanya di /etc/php/8.4/fpm/pool.d/www.conf):

```
listen = /run/php/php8.4-fpm.sock
listen.owner = nginx
listen.group = nginx
listen.mode = 0660
```

22. Restart Service Nginx dan PHP-FPM

```
systemctl restart php8.4-fpm
systemctl restart nginx
```

23. Verifikasi Socket

```
ls -l /run/php/php8.4-fpm.sock
```

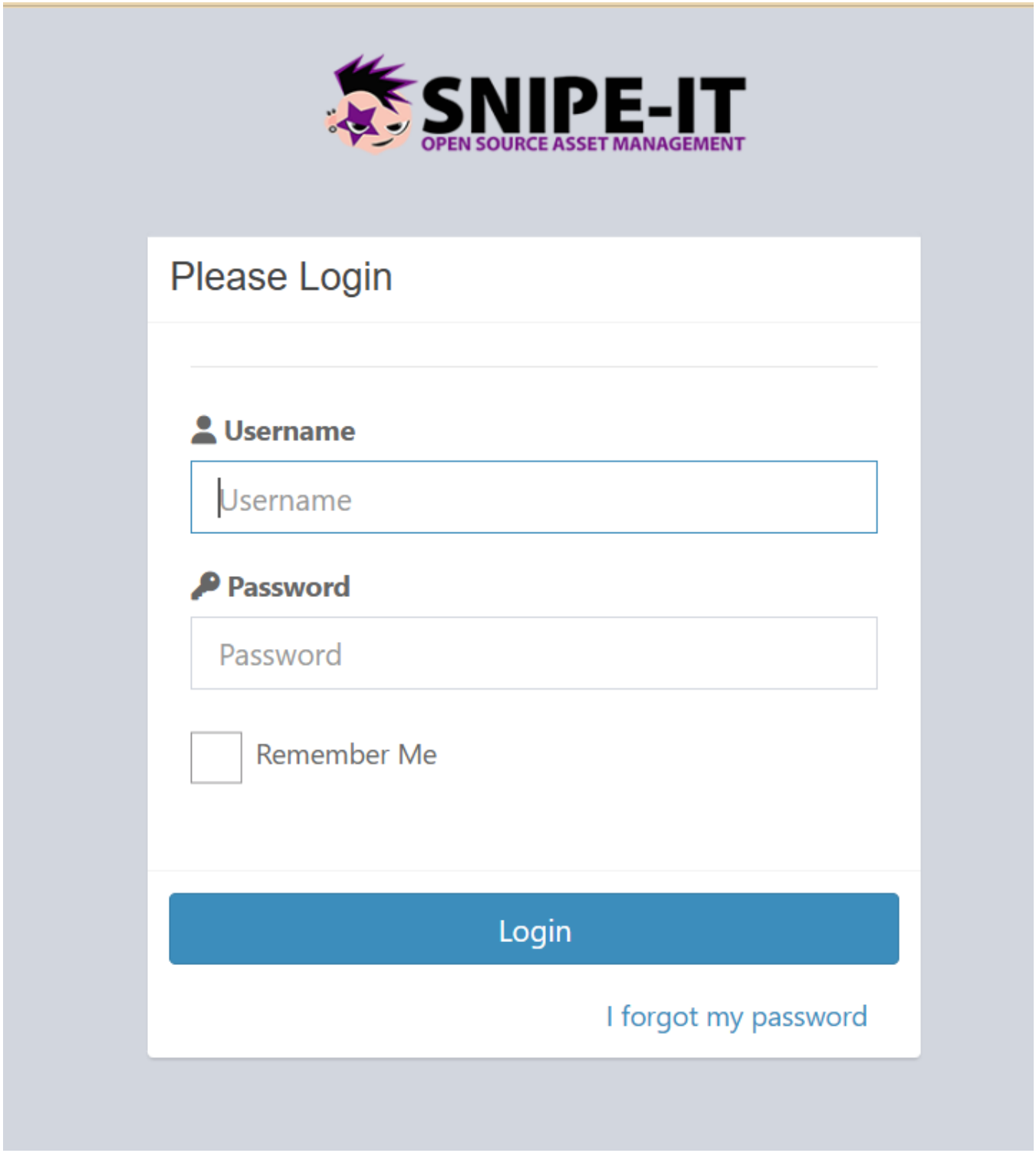
24. Hasil dari verfikasi socket.

```
srw-rw---- 1 nginx nginx 0 Sep 22 13:05 /run/php/php8.4-fpm.sock
```

25. Create User Admin pada SnipeIT

```
cd /var/www/snipet-it/
php artisan snipeit:create-admin --first_name="Admin" --last_name="Ilusi Digital" --
email=ilusi.digtal2022@gmail.com --username=ilusidigital --password="P@ssw0rd!"
```

26. Snipe-IT sudah bisa digunakan.



27. Selesai

Revision #10
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