

Snipe-IT Installation on Ubuntu 24.04

This guide explains how to install **Snipe-IT**, a self-hosted IT asset management system, on **Ubuntu 24.04** using **Nginx**, **MariaDB**, and **PHP 8.3**.

Ref. <https://snipe-it.readme.io/docs/installation>

? 1. Update the System

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

? 2. Install Required Packages

Install Nginx, PHP, MariaDB, and all required PHP extensions:

```
sudo apt install nginx mariadb-server php-bcmath php-common php-ctype php-curl php-fileinfo  
php-fpm php-gd php-iconv php-intl php-mbstring php-mysql php-soap php-xml php-xsl php-zip git  
-y
```

?? 3. Install Composer

```
sudo apt install composer -y
```

?? 4. Create the Snipe-IT Database

```
sudo mysql
```

Inside the MySQL shell:

```
CREATE DATABASE snipeit;  
GRANT ALL ON snipeit.* TO 'snipeit'@'localhost' IDENTIFIED BY 'yourStrongPassword';  
FLUSH PRIVILEGES;  
EXIT;
```

? 5. Download Snipe-IT

```
cd /var/www/html
sudo git clone https://github.com/snipe/snipe-it
cd snipe-it
```

?? 6. Create and Configure `.env` File

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

Edit the following variables:

```
APP_URL=http://your-server-ip
DB_DATABASE=snipeit
DB_USERNAME=snipeit
DB_PASSWORD=yourStrongPassword
```

? 7. Set Permissions

```
sudo chown -R www-data: /var/www/html/snipe-it
sudo chmod -R 755 /var/www/html/snipe-it
```

? 8. Install Dependencies with Composer

```
sudo composer update --no-plugins --no-scripts
sudo composer install --no-dev --prefer-source --no-plugins --no-scripts
```

? 9. Generate App Key

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

Make sure you keep a copy of your `APP_KEY` in a safe place, for example, a secure password manager. This key is required to decrypt any encrypted fields in the database.

? 10. Check PHP FPM Version

```
sudo systemctl list-units --type=service | grep php
```

Ensure PHP 8.3 (or the current version) is installed and running.

?? 11. Enable PHP-FPM

```
sudo systemctl start php8.3-fpm
sudo systemctl enable php8.3-fpm
```

? 12. Create Nginx Configuration for Snipe-IT

```
sudo nano /etc/nginx/conf.d/snipeit.conf
```

Paste the following (adjust IP and PHP version if needed):

```
server {
    listen 80;
    server_name 10.0.0.7;
    root /var/www/html/snipe-it/public;

    index index.php;

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

    location ~ /\.php$ {
include fastcgi.conf;
        include snippets/fastcgi-php.conf;
        fastcgi_pass unix:/run/php/php8.3-fpm.sock;
fastcgi_split_path_info ^(.+\.(php|php5|php7|php8|php8.1|php8.2))(/.+)$;
        fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
        include fastcgi_params;
    }
}
```

? 13. Enable the Site

```
sudo ln -s /etc/nginx/conf.d/snipeit.conf /etc/nginx/sites-enabled/snipeit.conf
```

?? 14. Update Nginx Config

Edit main config:

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

Add the following line **inside the** `http` **block**:

```
server_names_hash_bucket_size 64;
```

? 15. Restart Nginx

```
sudo systemctl restart nginx
```

? 16. Access Snipe-IT Web Interface

Open your browser and go to:

```
http://your-server-ip
```

Complete the web-based setup to finish the installation.

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