

Firefly-III

Preparation

PHP

```
sudo apt update
sudo apt upgrade -y
sudo apt install -y nginx curl software-properties-common php8.3 php8.3-
{cli,zip,gd,fpm,common,mysql,zip,mbstring,curl,xml,bcmath,imap,ldap,intl} php-json
```

Check to see if php is running

```
php -v and systemctl status php8.3-fpm
```

Adjust some php settings

```
sudo nvim /etc/php/8.3/fpm/php.ini
```

search for and change or enable the following lines of code

```
memory_limit = 512M

[Date]
date.timezone = Europe/Berlin
```

Nginx

stop apache

```
sudo systemctl stop apache2
sudo systemctl disable apache2
```

remove nginx file

```
sudo rm /etc/nginx/sites-enabled/default
```

create "firefly.dodekaeder.name" in sites-enabled folder and then paste in the config below

```
sudo nvim /etc/nginx/sites-enabled/firefly.dodekaeder.name
```

```
server {
    listen      80 default_server;
    listen      [::]:80 default_server;
    #server_name subdomain.domain.com;
    root        /var/www/firefly-iii/public;
    index index.html index.htm index.php;

    location / {
        try_files $uri /index.php$is_args$args;
        autoindex on;
        sendfile off;
    }

    location ~ \.php$ {
        fastcgi_pass unix:/run/php/php8.3-fpm.sock;
        fastcgi_index index.php;
        fastcgi_read_timeout 240;
        fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
        include fastcgi_params;
        fastcgi_split_path_info ^(.+\.php)(/.+)$;
    }

}
```

restart

```
sudo systemctl restart nginx php8.3-fpm
```

If you get an error due to duplicate web servers, you need to remove the symbolic link in sites-available (ls -l) and then rm the link

MariaDB

Install mariaDB

```
curl -Ls https://r.mariadb.com/downloads/mariadb_repo_setup | sudo bash -s -- \
  --mariadb-server-version="mariadb-10.11" --os-type="ubuntu" --os-version="noble"
sudo apt install -y mariadb-server mariadb-client
sudo mysql_secure_installation
```

test installation

```
mysql -u root -p
```

in the mysql shell, check version with the command in bold

```
SELECT VERSION();
```

while still inside the mariaDB shell:

```
CREATE DATABASE firefly_db;
CREATE USER 'fireflyuser'@'localhost' IDENTIFIED BY 'yourpasswordhere';
GRANT ALL PRIVILEGES ON firefly_db.* TO 'fireflyuser'@'localhost';
FLUSH PRIVILEGES;
exit;

cd ~
curl -sS https://getcomposer.org/installer -o composer-setup.php
sudo php composer-setup.php --install-dir=/usr/local/bin --filename=composer
```

Install

test composer

```
composer -V
```

Download the latest Version from [here](#).

Unpack it with

```
unzip -o FireflyIII-v6.1.24.zip -d /var/www/firefly-iii
sudo chown -R elias /var/www/firefly-iiicd /var/www/firefly-iii
```

Change in the ".env" file those lines:

```
DB_HOST=127.0.0.1
DB_DATABASE=firefly_db
DB_USERNAME=<usr>
DB_PASSWORD=<pwd>

TZ=Europe/Berlin
```

Set up Composer and install

```
composer install --no-dev --no-scripts
php artisan key:generate
php artisan migrate --seed
php artisan firefly-iii:decrypt-all
php artisan cache:clear
php artisan view:clear
php artisan firefly-iii:upgrade-database
php artisan firefly-iii:laravel-passport-keys
```

change the owner of the folder with

```
sudo chown -R www-data:www-data /var/www/firefly-iii
sudo chmod -R 775 /var/www/firefly-iii/storage
```

uncomment those lines in the file "/etc/locale.gen"

```
de_DE ISO-8859-1
de_DE.UTF-8 UTF-8
de_DE@euro ISO-8859-15
```

and generate the locale using

```
sudo locale-gen
```

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