# GNU/Linux Administration - Support #970

## Install Grocy on Arch Linux

02/14/2022 05:24 PM - Daniel Curtis

| | | | | |
|---|---|---|---|---|
| **Status:** | In Progress | **Start date:** | 02/14/2022 | |
| **Priority:** | Normal | **Due date:** | | |
| **Assignee:** | Daniel Curtis | **% Done:** | 100% | |
| **Category:** | Web Server | **Estimated time:** | 0.00 hour | |
| **Target version:** | Arch Linux | **Spent time:** | 0.00 hour | |

**Description**

This is a guide for installing Grocy with Nginx on Arch Linux.

# Prepare the Environment

- Make sure the system is up to date:

```
sudo pacman -Syu
```

- Install a few dependencies:

```
sudo pacman -S git nginx
```

# Install PHP

- Install php and additional required packages:

```
sudo pacman -S php php-fpm php-sqlite php-gd php-intl composer yarn
```

- Edit the php config:

```
sudo nano /etc/php/php.ini
```

  - And enable the following extensions:

```
extension=gd
extension=intl
extension=sqlite3
extension=pdo_sqlite
extension=iconv
```

- Start and enable php-fpm at boot:

```
sudo systemctl enable php-fpm
sudo systemctl start php-fpm
```

# Install Grocy

- Download grocy and switch to grocy user:

```
sudo mkdir -p /var/www && cd /var/www
sudo git clone -b release https://github.com/grocy/grocy.git
chown -R http /var/www/grocy
sudo su - grocy
```

- Install grocy:

```
cd /var/www/grocy
composer install --no-interaction --no-dev --optimize-autoloader
composer clear-cache
yarn install --modules-folder public/node_modules --production
yarn cache clean
```

- Create a new config file:

```
cp config-dist.php data/config.php
```

- Exit the grocy user:

```
exit
```

## Install Nginx

- Start and enable nginx at boot:

```
systemctl enable nginx
systemctl start nginx
```

- Create a configuration directory to make managing individual server blocks easier

```
mkdir /etc/nginx/conf.d
```

- Edit the main nginx config file:

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

  - And strip down the config file and add the include statement at the end:

```
worker_processes  1;
error_log  /var/log/nginx-error.log;

events {
    worker_connections  1024;
}

http {
    include       mime.types;
    default_type  application/octet-stream;
    sendfile        on;
    keepalive_timeout  65;

    include /etc/nginx/conf.d/*.conf;
}
```

- Create the grocy config:

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

  - And add the following:

```
server {
    listen       80;
    server_name  grocy.example.com;
    root         /var/www/grocy/public;
    access_log   /var/log/grocy-access.log;
    error_log    /var/log/grocy-error.log;

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

    location ~ \.php$ {
        fastcgi_pass unix:/run/php-fpm/php-fpm.sock;
        fastcgi_param SCRIPT_FILENAME /var/www/grocy/public$fastcgi_script_name;
        fastcgi_param PATH_INFO $fastcgi_script_name;
        include fastcgi_params;
    }
}
```

- Restart nginx:

```
systemctl restart nginx
```

- Open a web browser and go to grocy.example.com
  - Default username/password is admin/admin.

## Resources

- https://github.com/grocy/grocy
- https://github.com/grocy/grocy/issues/201
- https://aur.archlinux.org/packages/grocy

**History**

**#1 - 02/14/2022 06:18 PM - Daniel Curtis**

*- Description updated*

**#2 - 02/14/2022 06:27 PM - Daniel Curtis**

*- % Done changed from 0 to 100*

*- Status changed from New to In Progress*

*- Description updated*