Development Environment

Here is an instructions how to install a development environment for your local machine.

Install a XAMPP with PHP 8.2.+
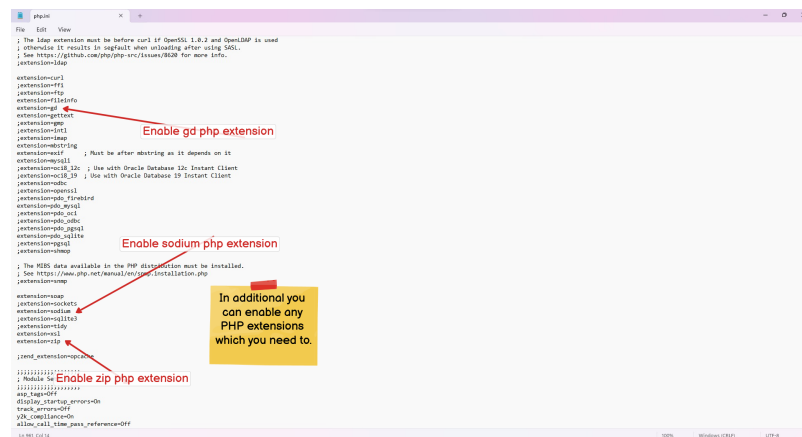
Please install a XAMPP with PHP 8.2.+ from address below:

https://www.apachefriends.org/download.html

Important! Laravel 9 and or 10 do not work with PHP 7 and or 8.1.

Before you run composer install command in Windows PowerShell/CMD you need to enable various PHP extension in php.ini file in folder C:\xampp\php.

List of PHP extensions to enable is zip, sodium and gd. Please restart XAMPP Apache 2 after change of php.ini file.

Install a Composer

Please install a composer from address below:

https://getcomposer.org/download/

Install a Node.js LTS

Please install a Node.js LTS from address below:

https://nodejs.org/en/download/

Prepare Back-end and Front-end
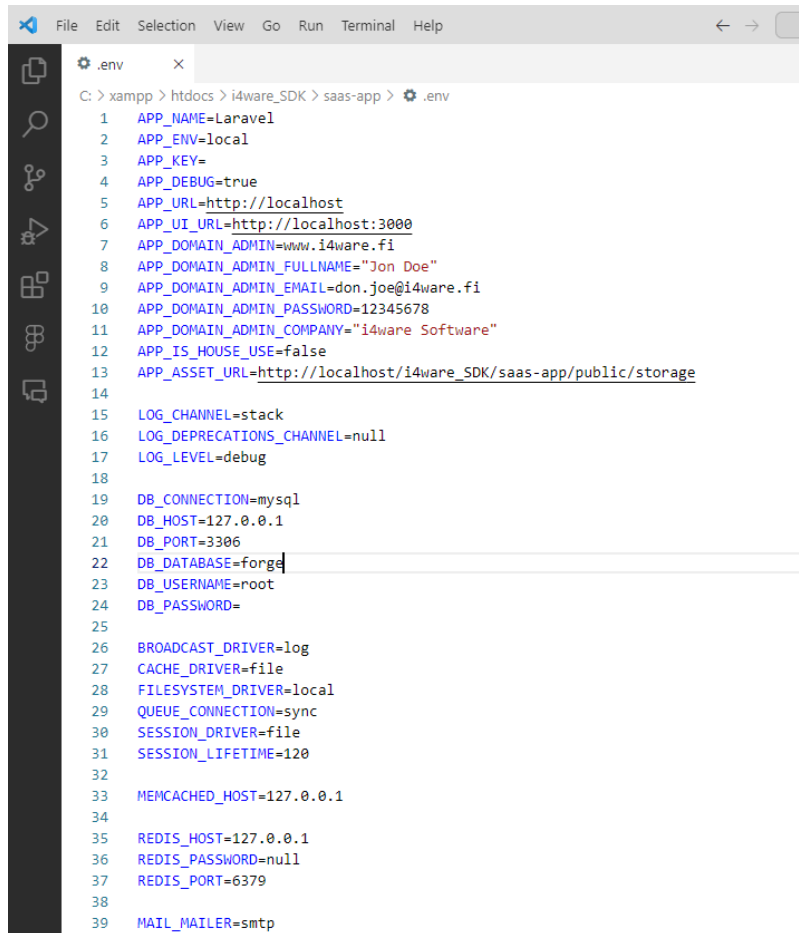
Extract i4ware_SDK.zip to C:\xampp\htdocs

Open Windows PowerShell and run commands cd **C:\xampp\htdocs\i4ware_SDK\login-form** and then **npm install --legacy-peer-deps**.

This first step installs node modules but it wise prepare PHP Back-end before run React Front-end.

Run command **cd C:\xampp\htdocs\i4ware_SDK\saas-app** and then **composer install**.

Copy **C:\xampp\htdocs\i4ware_SDK\saas-app\.env.example** with filename **C:\xampp\htdocs\i4ware_SDK\saas-app\.env**

Modify .env like screenshot below:

```
                File   Edit   Selection   View   Go   Run   Terminal   Help              ←   →

      ⚙ .env              ✕

      C: > xampp > htdocs > i4ware_SDK > saas-app > ⚙ .env
         1     APP_NAME=Laravel
         2     APP_ENV=local
         3     APP_KEY=
         4     APP_DEBUG=true
         5     APP_URL=http://localhost
         6     APP_UI_URL=http://localhost:3000
         7     APP_DOMAIN_ADMIN=www.i4ware.fi
         8     APP_DOMAIN_ADMIN_FULLNAME="Jon Doe"
         9     APP_DOMAIN_ADMIN_EMAIL=don.joe@i4ware.fi
        10     APP_DOMAIN_ADMIN_PASSWORD=12345678
        11     APP_DOMAIN_ADMIN_COMPANY="i4ware Software"
        12     APP_IS_HOUSE_USE=false
        13     APP_ASSET_URL=http://localhost/i4ware_SDK/saas-app/public/storage
        14
        15     LOG_CHANNEL=stack
        16     LOG_DEPRECATIONS_CHANNEL=null
        17     LOG_LEVEL=debug
        18
        19     DB_CONNECTION=mysql
        20     DB_HOST=127.0.0.1
        21     DB_PORT=3306
        22     DB_DATABASE=forge
        23     DB_USERNAME=root
        24     DB_PASSWORD=
        25
        26     BROADCAST_DRIVER=log
        27     CACHE_DRIVER=file
        28     FILESYSTEM_DRIVER=local
        29     QUEUE_CONNECTION=sync
        30     SESSION_DRIVER=file
        31     SESSION_LIFETIME=120
        32
        33     MEMCACHED_HOST=127.0.0.1
        34
        35     REDIS_HOST=127.0.0.1
        36     REDIS_PASSWORD=null
        37     REDIS_PORT=6379
        38
        39     MAIL_MAILER=smtp
```

Run command **php artisan key:generate** in C:\xampp\htdocs\i4ware_SDK\saas-app folder.

Start XAMPP as Run as administrator and then start Apache and MySQL and go to phpMyAdmin and create database forge and then run command **php artisan migrate, then php artisan db:seed**, then **php artisan passport:install** and then **php artisan storage:link**.

Now it is a time to prepare and run Raect Front-end.

Copy *C:\xampp\htdocs\i4ware_SDK\login-form\.env.sample* with filename *C:\xampp\htdocs\i4ware_SDK\login-form\.env.local.*

Modify .env.development file like this:

REACT_APP_SERVER_URL=http://localhost/i4ware_SDK/saas-app/public
REACT_APP_DEFAULT_LANGUAGE=en

Username if not changed is don.joe@i4ware.fi and password is 12345678.