https://linuxize.com/post/how-to-install-php-8-on-ubuntu-20-04/

$ **sudo apt update && sudo apt upgrade**

$ **sudo apt install apache2**

$ **sudo apt install software-properties-common**

$ **sudo add-apt-repository ppa:ondrej/php**

$ **sudo apt update && sudo apt upgrade**

$ **sudo apt install php8.0 libapache2-mod-php8.0**

$ **sudo update-alternatives --set php /usr/bin/php8.0**

$ **sudo apt-get install php8.0-mbstring**

$ **sudo apt install php8.0-xml**

$ **sudo apt install php8.0-fpm libapache2-mod-fcgid**

$ **sudo a2enmod proxy\_fcgi setenvif**

$ **sudo a2enconf php8.0-fpm**

$ **sudo systemctl restart apache2**

$ **sudo apt install php8.0-mysql php8.0-gd**

$ **sudo systemctl restart apache2**

$ **cd /etc/apache2/sites-available/**

$ **sudo rm 000-default.conf**

$ **sudo nano shm.conf**

<VirtualHost \*:80>

ServerName [smart-house-manager](https://github.com/ArturTrotsky/smart-house-manager)

ServerAlias www.[smart-house-manager](https://github.com/ArturTrotsky/smart-house-manager)

ServerAdmin artur.trotsky@ukr.net

DocumentRoot /var/www/[smart-house-manager](https://github.com/ArturTrotsky/smart-house-manager)/public

ErrorLog /var/www/[smart-house-manager](https://github.com/ArturTrotsky/smart-house-manager)/storage/logs/error.log

CustomLog /var/www/[smart-house-manager](https://github.com/ArturTrotsky/smart-house-manager)/storage/logs/access.log combined

<Directory /var/www/[smart-house-manager](https://github.com/ArturTrotsky/smart-house-manager)/public>

Options Indexes FollowSymLinks MultiViews

AllowOverride All

</Directory>

</VirtualHost>

$ **sudo mkdir /var/www/**[**smart-house-manager**](https://github.com/ArturTrotsky/smart-house-manager)

$ **sudo a2ensite shm**

$ **sudo a2enmod rewrite**

создадим ключи

$ **cd ~/.ssh**

$ **ssh-keygen -t rsa**

id\_rsa приватный, который нельзя никому сообщать

id\_rsa.pub — публичный, который мы сообщим github

переходим на <https://github.com/settings/ssh/new> и вводим содержимое id\_rsa.pub

создадим репозиторий [smart-house-manager](https://github.com/ArturTrotsky/smart-house-manager) на github.com

$ **cd /var/www/smart-house-manager**

$ **sudo chgrp -R www-data /var/www/html**

$ **sudo gpasswd -a artur www-data**

$ **sudo chmod -R 777 /var/www/html**

$ **sudo apt install git**

$ **git clone git@github.com:ArturTrotsky/smart-house-manager.git**

склонируется репозиторий. В папке /var/www создадится и в /home/artur/projects/diplom создадится папка smart-house-manager

установить Composer глобально

$ **sudo apt install php8.0-cli**

$ **sudo apt install zip unzip php8.0-zip**

$ **cd ~**

$ **sudo apt install curl**

$ **curl -sS https://getcomposer.org/installer -o composer-setup.php**

$ **sudo php composer-setup.php --install-dir=/usr/local/bin --filename=composer**

$ **composer -V**

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#### установить Laravel глобально

$ **composer global require laravel/installer**

зайти в папку /home/artur/.config/composer/vendor/bin и убедиться что там есть файл laravel

добавить PATH:

зайти в файл /home/artur/.profile , если PATH есть во многих ифах, то в самом конце файла добавить строку PATH="$HOME/.config/composer/vendor/bin:$PATH"

если в файле только один PATH, то впечатать разделяя знаками “:” следующую строку PATH="$HOME/bin:$HOME/.local/bin:$HOME/.config/composer/vendor/bin:$PATH"

#### перезагрузиться и в терминале прописать:

$ **laravel** (должно ответить Laravel Installer 4.1.1)

$ **cd /var/www/smart-house-manager**

$ **laravel new smart-house-manager**

внутри папки smart-house-manager создатся папка smart-house-manager

перенести содержимое папки (не забыть про скрытые файлы) в корень и удалить пустую папку mart-house-manager

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прописать хосты

$ **sudo nano /etc/hosts**

127.0.0.1 [smart-house-manager](https://github.com/ArturTrotsky/smart-house-manager)

127.0.0.1 www. [smart-house-manager](https://github.com/ArturTrotsky/smart-house-manager)

$ **sudo service apache2 restart**

$ **cd /var/www/smart-house-manager**

$ **sudo chown -R artur:www-data storage**

$ **sudo chown -R artur:www-data bootstrap/cache**

д[олжен корректно отрабатывать переход на](http://smart-house-manager:8080/) http://smart-house-manager/

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Установить MySQL

$ **sudo apt install mysql-server**

$ **sudo mysql\_secure\_installation**

Y

0

1122

1122

Y

Y

Y

Y

Y

$ **sudo mysql**

SELECT user,authentication\_string,plugin,host FROM mysql.user;

select plugin\_name, plugin\_status from information\_schema.plugins where plugin\_name like 'validate%';

SHOW VARIABLES LIKE 'validate\_password%';

SET GLOBAL validate\_password.length=4;

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY '1122';

FLUSH PRIVILEGES;

SELECT user,authentication\_string,plugin,host FROM mysql.user;

exit

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создать базу данных и сделать дамп

$ **mysql -u root -p**

create database [smart\_house\_manager](http://smart-house-manager:8080/);

use [smart\_house\_manager](http://smart-house-manager:8080/);

exit

mkdir /var/www/smart-house-manager/database/mysql\_dump

sudo mysqldump -uroot -p smart\_house\_manager > database/mysql\_dump/smart\_house\_manager.sql

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sudo apt update

cd ~

curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.37.2/install.sh | bash

source ~/.profile

nvm -v

nvm ls-remote

nvm install v14.15.3

node -v

npm -v

cd /var/www/smart-house-manager/

npm install

npm run dev

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Laravel 8 Install Bootstrap

<https://www.itsolutionstuff.com/post/laravel-8-install-bootstrap-example-tutorialexample.html>

install laravel ui composer package

$ **composer require laravel/ui**

install Bootstrap 4 with auth

$ **php artisan ui bootstrap --auth**

$ **php artisan ui vue**

install NPM

$ **npm install**

Run NPM

$ **npm run dev**

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Force User to Verify Email after Registration in Laravel

https://www.codecheef.org/article/email-verification-after-registration-in-laravel

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Laravel Unique Validation on Multiple Columns Example

https://www.itsolutionstuff.com/post/laravel-unique-validation-on-multiple-columns-exampleexample.html

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Laravel Debugbar

composer require barryvdh/laravel-debugbar —dev

composer update

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**Полезные команды artisan**

php artisan down — выключить сайт

php artisan up — запустить сайт

php artisan db — подключиться к базе данных

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php artisan make:migration add\_second\_name\_to\_users\_table --table=users

php artisan make:migration add\_default\_created\_at\_to\_user\_objects\_table --table=user\_objects

php artisan make:migration create\_module\_params\_table --create=module\_params

php artisan migrate

php artisan make:migration drop\_created\_at\_to\_modules\_table --table=modules

php artisan make:migration add\_created\_at\_to\_modules\_table --table=modules

php artisan make:migration change\_name\_to\_module\_types\_table --table=module\_types

php artisan make:migration add\_fields\_to\_module\_types\_table --table=module\_types

php artisan make:migration add\_unique\_key\_to\_modules\_table --table=modules

$table->unique(['first', 'last']);

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php artisan make:controller ModulesController --resource

php artisan make:controller ModuleTypesController --resource

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php artisan make:model Modules

php artisan make:model ModuleTypes

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php artisan make:seeder UserSeeder

php artisan make:seeder ObjectSeeder

php artisan make:seeder ModuleParamsSeeder

php artisan make:factory UserObject

php artisan make:factory ModuleParams

php artisan db:seed

// Refresh the database and run all database seeds...

php artisan migrate:refresh --seed

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php artisan make:request ModulesRequest

php artisan make:request ModulesUpdateRequest

php artisan make:request ObjectsRequest

php artisan make:request SchedulersRequest

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$ **composer require doctrine/dbal**

$ **composer update**

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Laravel 7 CRUD (Create, Read, Update, Delete)

https://www.youtube.com/watch?v=JsNjC-E2fB0&t

Customize Laravel Auth (Laravel Breeze Registration and Login)

https://dev.to/kingsconsult/customize-laravel-auth-laravel-breeze-registration-and-login-1769

Laravel 8 Send Mail using Gmail SMTP Server

https://www.itsolutionstuff.com/post/laravel-8-send-mail-using-gmail-smtp-serverexample.html

Login Form v3 by Colorlib

https://colorlib.com/wp/template/login-form-v3/

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$ php artisan storage:link

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Create Crontab

$ crontab -e

\* \* \* \* \* cd /var/www/smart-house-manager && php artisan schedule:run >> /dev/null 2>&1

$ php artisan schedule:list

https://www.youtube.com/watch?v=yoHNT-dfa-o&feature=youtu.be

$ php artisan make:command PerformTask

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CLEAR

https://dev.to/kenfai/laravel-artisan-cache-commands-explained-41e1

$ php artisan config:cache

Configuration cache cleared!

Configuration cached successfully!

$ php artisan route:cache

Route cache cleared!

Routes cached successfully!

$ php artisan view:cache

Compiled views cleared!

Blade templates cached successfully!

$ php artisan event:cache

Cached events cleared!

Events cached successfully!

$ php artisan cache:clear

Application cache cleared!

$ php artisan optimize:clear

Compiled views cleared!

Application cache cleared!

Route cache cleared!

Configuration cache cleared!

Compiled services and packages files removed!

Caches cleared successfully!

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Console command, Laravel Schedule

https://code.tutsplus.com/ru/tutorials/tasks-scheduling-in-laravel--cms-29815