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**

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**

install NPM

$ **npm install**

Run NPM

$ **npm run dev**

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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 create\_module\_params\_table --create=module\_params