



Installation Manual

Orangescrum is a free, open source, flexible project management web application written using CakePHP.

Just 5 simple steps to start using Orangescrum in your premises. This procedure is well-tested on Windows, Linux and Mac operating system.

Requirements

- Apache with `mod_rewrite`
- PHP 5.3 or higher
 - Enable **curl** in php.ini
 - Change the '**post_max_size**' and '**upload_max_filesize**' to 200Mb in php.ini
- MySQL 4.1 or higher

Installation

Minimum Configuration

1. Extract the archive. Upload all the files and folders to your working directory.
 - 1.1. Provide proper **write permission** to “**app/tmp**” and “**app/webroot**” folders and their sub-folders.
 - 1.2. Make sure that, there are three **.htaccess** files. One in the root directory, another in the “app” directory and the last one is in the “app/webroot” directory.
 - 1.3. Make sure that, the **.htaccess** is working in your server.
2. Create a new MySQL database (`utf8_unicode_ci` collation)
3. Get the **database.sql** file from the root directory and import that to your database
4. Locate your `app` directory, do the changes on following files
 - 4.1. **app/Config/database.php**
 - 4.1.1. Update the database connection details. (host, login, password and database name)
 - 4.2. **app/Config/constants.php**
 - 4.2.1. Create a free account in Sendgrid (<https://sendgrid.com/user/signup>) and update the “Email sending options”. (SENDGRID_USERNAME & SENDGRID_PASSWORD)
 - 4.2.2. FROM_EMAIL_NOTIFY - All the task created/updated notification email will be sent from this Email ID.
 - 4.2.3. SUPPORT_EMAIL - All other Emails and support related Emails will be sent from this Email ID.

- 4.2.4. `SUB_FOLDER` - Update the folder name, If your application URL is ["http://www.my-orangescrum.com/folder_name/"](http://www.my-orangescrum.com/folder_name/) (the value should follow by a forward slash. e.g. `define('SUB_FOLDER', folder_name/')`). Leave it blank If your application URL doesn't have an additional folder path.

5. Now you are all set, run Orangescrum as <http://your-siteurl.com/> from your browser. Change the `"Configure::write('debug',2)"` to `"Configure::write('debug',0)"` in **app/Config/core.php**

You will be asked to provide your Company Name, Email address and a Password to login and start using Orangescrum.

Other Configurations in app/Config/constants.php

1. Create a Google Project (<https://console.developers.google.com/project>) for Google Login, Invite Google Contacts and Google Drive file attachment.
 - 1.1. Update the `CLIENT_ID`, `CLIENT_ID_NUM`, `CLIENT_SECRET`, `API_KEY` values.
 - 1.2. Set the `USE_GOOGLE` value to 1 to use Google Google Login, Invite Google Contacts and Google Drive file attachment
2. Create a Dropbox App (<https://www.dropbox.com/developers>) for Dropbox file file sharing.
 - 2.1. Update the `DROPBOX_KEY` value and Set the `USE_DROPBOX` value to 1 to use Dropbox file file sharing.
3. Create 2 Buckets in AWS S3 to store all the files in the S3 Bucket.
 - 3.1. Provide the S3 Bucket Names, `awsAccessKey`, `awsSecretKey` values.
 - 3.2. Set the `USE_S3` value to "1" to store all file attachment and profile photo in AWS S3 bucket.

Cron Job Settings (Linux Server)

Update your application url in `define('DOMAIN', "www.my-orangescrum.com/")` in the "app/Config/constants.php".

Below are the 4 Cron Jobs to set on a Linux server,

(Assuming your Application is in `/var/www/html/orangescrum/`)

1. `0 23 * * * php -q`
`/var/www/html/orangescrum/app/webroot/cron_dispatcher.php`
`/cron/email_notification`
 - 1.1. Daily/Weekly/Monthly Task Status update email in the "Email Reports" section of Orangescrum.
2. `* /15 * * * * php -q`
`/var/www/html/orangescrum/app/webroot/cron_dispatcher.php`
`/cron/dailyupdate_notifications`
 - 2.1. Daily Update Reports in the "Email Reports" section of Orangescrum

3.

```
*/15 * * * * php -q
/var/www/html/orangescrum/app/webroot/cron_dispatcher.php
/cron/dailyUpdateMail
```

 - 3.1. Daily Catch Up Email Alert
4.

```
*/30 * * * * php -q
/var/www/html/orangescrum/app/webroot/cron_dispatcher.php
/cron/weeklyusagedetails
```

 - 4.1. Weekly Usage report of your account

Email Reply - Nohup Cron Job setup (Linux Server)

Make sure to do the following changes on the Email server connection details in the **app/webroot/EmailReply.php** file.

1. **\$username** - This will be the `FROM_EMAIL_NOTIFY` Email set on your `app/Config/constants.php`
 - 1.1. All the task created/updated notification email will be sent from `FROM_EMAIL_NOTIFY`. When somebody will reply on that task created/updated notification email, the `FROM_EMAIL_NOTIFY` will get that Email in the inbox.
 - 1.2. **EmailReply.php** page is going to read the emails from `FROM_EMAIL_NOTIFY` and It will post to them as a reply to the respective tasks in Orangescrum.
2. **\$password** - Password of `FROM_EMAIL_NOTIFY`
3. **client** - Change it, if you are not using Gmail

After this setup, you can reply to a task created/updated notification email and that email reply will be posted to Orangescrum under that Task. This will help you to respond to a task while on-the-go from your Mobile.

(Assuming your Application is in `"/var/www/html/orangescrum/"`)

1. Enable **extension=php_imap** in your `php.ini` file.
2. Create a **orangescrum.sh** file in your server
3. **vi orangescrum.sh** (or, open that file to write the below code)

```
#!/bin/bash
while(true)
do
cd /var/www/html/orangescrum/app/webroot
php -q EmailReply.php 1>&2
sleep 1;
done
```
4. Give the execute permission for `orangescrum.sh`: **chmod +x orangescrum.sh**
5. Start the Nohup using the command: **nohup sh orangescrum.sh > custom-out.log &**

Changelog

- 22 Sept 2014 - Release of Orangescrum Installation Manual
- 24 Sept 2014 - Changes in the Nohup Cron Job setup