



Installation & Setup 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. Provide your valid **Gmail ID and Password** for **SMTP email sending** Or, you can use Sendgrid or Mandrill.
 - 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/” (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.

Get the **"DropboxandGooglSetup.pdf"** on the root directory of the Orangescrum project folder to know, How to create apps and projects on Dropbox and Google Drive.

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

You can also set the Cron Jobs using the absolute urls.

1. http://www.your-orangescrum/cron/email_notification
2. http://www.your-orangescrum/cron/dailyupdate_notifications
3. <http://www.your-orangescrum/cron/dailyUpdateMai>
4. <http://www.your-orangescrum/cron/weeklyusagedetails>

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 &**

Node JS setup (Linux Server)

- Make sure that you have installed **Node.js** and **NPM**
- Install **Socket.io** using NPM
- Install **Forever**
- Find how to add a JavaScript file to run Node.js forever.
- Now enable the “NODEJS_HOST” with your server details on “app/Config/constants.php”

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29th October 2014

Changelog

- 22 Sept 2014 - Release of Orangescrum Installation Manual
- 24 Sept 2014 - Changes in the Nohup Cron Job setup
- 26 Sept 2014 - Changes in the Cron Job section and added text for Drive and Dropbox API.
- 29 Oct 2014 - Added Node.js setup