



## Orangescrum Base Code Automated Installation

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 5.6 or PHP 7.x
- Enable curl in php.ini
- Change the "post\_max\_size=200M", "upload\_max\_filesize=200M", "max\_execution\_time=300" , "memory\_limit=512M" and "max\_input\_vars=5000" in php.ini
- MySQL 5.5 or 5.6
- If STRICT mode is On, turn it Off.

### Installation

#### Minimum Configuration

- Download Orangescrum zip file and extract the archive. Upload all the files and folders to your working directory.
- Provide proper write permission (**777** or **755**) to "**app/tmp**" and "**app/webroot**" folders and their sub-folders.
- 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.
- Make sure that, the **.htaccess** is working in your server.
- Locate your 'app' directory, do the changes on following file  
**app/Config/constants.php**

- **FROM\_EMAIL\_NOTIFY** All the task created/updated notification email will be sent from this Email ID.
- **SUPPORT\_EMAIL** All other Emails and support related Emails will be sent from this Email ID.
- **SUB\_FOLDER** -Update the folder name, If your application URL is "http://www.myorangescrum.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.
- Run Orangescrum as http://yoursiteurl.com/ from your browser. If Orangescrum is hosted on local network, then run <http://localhost/orangescrum-master> or run the IP/domain as configured.
- Once you hit the URL, you can see the **Database Configuration** Wizard
- On the **Database Configuration** wizard, provide your **Database Name**, **Database Host**, **Username**, **Password** and click **Next** button.

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### Database Configuration

**Name:**  
Enter database name

**Host:**  
Enter database host  
Note: localhost or IP Address(192.168.2.54) or RDS end point

**Username:**  
Enter database username

**Password:**  
Enter database password

**Next**

Make sure that you have write permission (777) to `app/tmp` and `app/webroot` folders

- On the next page **SMTP Configuration** Wizard, configure the SMTP with **Host Name**, **Port**, **User Name** and **Password**.

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SMTP Configuration

**Host:**

**Port:**

**Username or Email Address:**

**Password:**

**Finish**

[Skip this step](#)  
Make sure that you have write permission (777) to `app/tmp` and `app/webroot` folders

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**Note:** You can Skip SMTP setup by clicking on “Skip”. Also, this step doesn’t verify your SMTP configuration. Follow the SMTP troubleshoot to fix the SMTP/Email invite issue.

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- Once you click on “**Finish**” button, you’ll be ask to provide your **Company Name**, **Email address** and a **Password** to login and start using OrangeScrum.

OrangeScrum

Welcome to Orangescrum Community Edition v1.6.1

Make sure that,

- You have write permission (777) to `app/tmp` and `app/webroot` folders
- You have updated FROM\_EMAIL\_NOTIFY and SUPPORT\_EMAIL in `app/Config/constants.php`

Quick Signup

By signing up you you agree that you have read, understand, and accept the **License**

**Signup**

Google groups

You can ask for help, share your ideas, contribute to the community edition and also let us know your feedback using the Orangescrum's Google Group.

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*Note: If you're unable to see the Sign up page, then change the "Configure::write('debug',2)" to "Configure::write('debug',0)" or vice-versa in app/Config/core.php. Once the sign up page appears, change the debug value to "0" and save it.*

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## Other Configurations in app/Config/constants.php

- Create a Google Project (<https://console.developers.google.com/project>) for Google Login, Invite Google Contacts and Google Drive file attachment.
- Update the **CLIENT\_ID**, **CLIENT\_ID\_NUM**, **CLIENT\_SECRET**, **API\_KEY** values.
- Set the **USE\_GOOGLE** value to 1 to use Google Google Login, Invite Google Contacts and Google Drive file attachment
- Create a Dropbox App (<https://www.dropbox.com/developers>) for Dropbox file file sharing.
- Update the **DROPBOX\_KEY** value and Set the **USE\_DROPBOX** value to 1 to use Dropbox file file sharing.
- Create 2 Buckets in AWS S3 to store all the files in the S3 Bucket.
- Provide the **S3 Bucket Names**, **awsAccessKey**, **awsSecretKey** values.
- 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.myorangescrum.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-master/"`)

- `0 23 * * * php -q /var/www/html/orangescrum-master/app/webroot/cron_dispatcher.php /cron/email_notification`

- Daily/Weekly/Monthly Task Status update email in the "Email Reports" section of Orangescrum.
- `*/15 * * * * php -q /var/www/html/orangescrum-master/app/webroot/cron_dispatcher.php /cron/dailyupdate_notifications`
  - Daily Update Reports in the "Email Reports" section of Orangescrum
- `*/15 * * * * php -q /var/www/html/orangescrum-master/app/webroot/cron_dispatcher.php /cron/dailyUpdateMail`
  - Daily Catch Up Email Alert
- `*/30 * * * * php -q /var/www/html/orangescrum-master/app/webroot/cron_dispatcher.php /cron/weeklyusagedetails`
  - Weekly Usage report of your account

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

- [http://www.yourorangescrum/cron/email\\_notification](http://www.yourorangescrum/cron/email_notification)
- [http://www.yourorangescrum/cron/dailyupdate\\_notifications](http://www.yourorangescrum/cron/dailyupdate_notifications)
- <http://www.yourorangescrum/cron/dailyUpdateMail>
- <http://www.yourorangescrum/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`
- 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.
- **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-master/")

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-master/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 > customout.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 under  
"define("NODEJS\_HOST", "");"[ex: http://your IP address:3002/] on  
"app/Config/constants.php"

For **Troubleshooting**, kindly follow these links:

<http://helpdesk.orangescrum.com/community-base-category/community-faq/>

<https://www.orangescrum.org/faq>

<https://groups.google.com/forum/#!forum/orangescrum-community-support>

## **Customize Orangescrum**

Personalize/Customize your Orangescrum look n feel to match your company environment.

<https://www.orangescrum.org/how-to-customize-orangescrum>