1. install RabbitMQ

sudo apt-get install rabbitmq-server

sudo /etc/init.d/rabbitmq-server start

2. install librabbitmq

sudo apt-get install mercurial

hg clone http://hg.rabbitmq.com/rabbitmq-c

cd rabbitmq-c

hg clone http://hg.rabbitmq.com/rabbitmq-codegen codegen

autoreconf -i && ./configure && make && sudo make install

3. install php-rabbit extension  （amqp-1.4.0）

As same as the others extensions install process

Producer：

Work in wordpress’s plugin, the functions are:

1connect to the database

2 Do the data synchronization function when some function is work base on hook.

3 Do the config on the MQ, then connect it.

4 Do json\_encode to the data

5 send data to the MQ

Connect MYSQL

In this time we create 3 files for each type of data, their names as below:

produce-post.php

produce-user.php

produce-comment.php

Each of them do the function for each type of date. For example (produce-comment.php):

add\_action('wp\_insert\_comment', after\_insert\_comment);

add\_action('trash\_comment', after\_trash\_com);

add\_action('untrash\_comment', after\_untrash\_com);

add\_action('delete\_comment', after\_del\_com);

add\_action('add\_comment\_meta', after\_comment\_meta);

codes above are the hook functions in produce-comment.php, all of them is based on the function who has business with the comments.

And in this time all the files require the config file named ‘config.ini’, all the end points such as the host name, username/password, queue name, exchange name, route-key for MySQL Server and RabbitMQ Server are all define in this file.

Consumer：

The same as the produce, in this time we also create 3 files for each type of data, their names as below:

consumer-post.php

consumer-comment.php

consumer-user.php

Each of them will do the function for each type of date. They also require the config.ini for some end points date.

Moudle:

For convenient, we create a file named module.php for some function such as push\_MQ, mysql\_init, ini\_init and mqexception.