

Blog Export: Rasmus' Toys Page, <http://toys.lerdorf.com/>

Thursday, September 24, 2009

Playing with Gearman

This was written in September 2009 when the current version of Gearman was 0.9. Thanks to Eric Day for answering my dumb questions along the way.

To get started, install Gearman. I am on Debian, so this is what I installed:

```
% apt-get install gearman gearman-job-server gearman-tools libgearman1 libgearman-dev libdrizzle-dev
```

Enable Gearman in /etc/default/gearman-server

Set up Gearman to use MySQL for its persistent queue store in /etc/default/gearman-job-server

```
PARAMS="-q libdrizzle --libdrizzle-host=127.0.0.1 --libdrizzle-user=gearman \  
--libdrizzle-password=your_pw --libdrizzle-db=gearman \  
--libdrizzle-table=gearman_queue --libdrizzle-mysql"
```

```
% mysqladmin create gearman
```

```
% mysql  
mysql> create USER gearman@localhost identified by 'your_pw';  
mysql> GRANT ALL on gearman.* to gearman@localhost;
```

** Careful, if you are running MySQL using --old-passwords this won't work with libdrizzle. You will need to get the 41-char password hash with a little snippet of PHP that does the double sha1 encoding:

```
% php -r "echo '*'.strtoupper(sha1(sha1('your_pw',true)));"
```

```
% mysql  
mysql> UPDATE mysql.user set Password='above_output' where User='gearman';
```

```
% mysqladmin flush-privileges
```

Then start the server.

```
% /etc/init.d/gearman-job-server start
```

Check to make sure gearmand is running. If it isn't, check for errors in /var/log/gearman-job-server/gearman.log

Also note that your password will be visible with 'ps' with this setup. The Gearman guys will be addressing this in gearmand-0.10

Next, let's get the gearman PHP extension installed. Grab it from svn:

```
% svn co http://svn.php.net/repository/pecl/gearman/trunk gearman  
% cd gearman  
% phpize  
% ./configure --with-php-config=/usr/local/bin/php-config
```

(If you have autoconf problems, apt-get install autoconf2.59 and set your

Blog Export: Rasmus' Toys Page, <http://toys.lerdorf.com/>

PHP_AUTOCONF env variable to "autoconf2.59")

% make install

edit your php.ini file and add: extension=gearman.so

Now we can add a worker. A worker is something that will process a Gearman request. We can write it in almost any language, but here is one in PHP (worker.php):

```
#!/usr/local/bin/php
```

Posted by Rasmus at 14:57