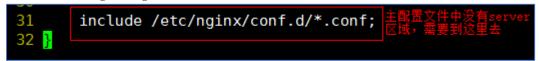
# MySQL+NoSQL (Redis)

## 1. 安装 gcc\*

```
2. 安装所需要的包
   libgfortran-4.4.7-17.el6.x86_64.rpm
libgnat-4.4.7-17.el6.x86_64.rpm
libgnat-devel-4.4.7-17.el6.x86_64.rpm
libgomp-4.4.7-17.el6.x86_64.rpm
libstdc++-4.4.7-17.el6.x86_64.rpm
libstdc++-4.4.7-17.el6.x86_64.rpm
libxtdc++-devel-4.4.7-17.el6.x86_64.rpm
libxtpm-3.5.10-2.el6.x86_64.rpm
mysql-5.1.73-7.el6.x86_64.rpm
mysql-iibs-5.1.73-7.el6.x86_64.rpm
mysql-server-5.1.73-7.el6.x86_64.rpm
nginx-1.10.1-1.el6.ngx.x86_64.rpm
                                                                                                                                                                                                                             php-cli-5.3.3-47.el6.x86 64.rpm
                                                                                                                                                                                                                           php-common-5.3.3-47.el6.x86_64.rpm
php-dba-5.3.3-47.el6.x86_64.rpm
                                                                                                                                                                                                                           php-dba-5.3.3-47.el6.x86_64.rpm
php-devel-5.3.3-47.el6.x86_64.rpm
php-enchant-5.3.3-47.el6.x86_64.rpm
php-fpm-5.3.3-47.el6.x86_64.rpm
php-mbsrting-5.3.3-47.el6.x86_64.rpm
php-mbsrting-5.3.3-47.el6.x86_64.rpm
php-pdo-5.3.3-47.el6.x86_64.rpm
php-pdo-5.3.3-47.el6.x86_64.rpm
                                                                                                                                                                                                                            phpredis-master.zip
php-xml-5.3.3-47.el6.x86_64.rpm
    java-1.5.0-gcj-1.5.0.0-29.1.el6.x86_64.rpm
java-cup-0.10k-5.el6.x86_64.rpm
libgcc-4.4.7-17.el6.x86_64.rpm
libgcj-4.4.7-17.el6.x86_64.rpm
                                                                                                                                                                                                                            php-xmlrpc-5.3.3-47.el6.x86_64.rpm
ppl-0.10.2-11.el6.x86_64.rpm
                                                                                                                 nginx-1.10.1-1.el6.ngx.x86_64.rpm
perl-DBD-MySQL-4.013-3.el6.x86_64.rpm
                                                                                                                  perl-D81-1.609-4.el6.x86_64.rpm
php-5.3.3-47.el6.x86_64.rpm
php-bcmath-5.3.3-47.el6.x86_64.rpm
                                                                                                                                                                                                                            redis-2.8.19.tar.gz
sinjdoc-0.5-9.1.el6.x86_64.rpm
zlib-devel-1.2.3-29.el6.x86_64.rpm
 [root@lym media]#
                                 ppl.x86_64 0:0.10.2-11.el6
zlib-devel.x86_64 0:1.2.3-29.el6
                                                                                                                                                                       sinjdoc.x86_64 0:0.5-9.1.el6
                         Dependency Installed:
apr.x86_64 0:1.3.9-5.el6_2
apr-util.x86_64 0:1.3.9-3.el6_0.1
apr-util-ldap.x86_64 0:1.3.9-3.el6_0.1
enchant.x86_64 1:1.5.0-5.el6
httpd.x86_64 0:2.2.15-45.el6.centos
httpd-tools.x86_64 0:2.2.15-45.el6.centos
                                 natea.
libgcc.x86_64 0:4.4.7-17.e16
libgomp.x86_64 0:4.4.7-17.e16
mysql-libs.x86_64 0:5.1.73-7.e16
                                                                                                                                                              libgfortran.x86_64 0:4.4.7-17.el6
libstdc++.x86_64 0:4.4.7-17.el6
                           Complete!
                           [root@lym medial# yum -y install *_
```

- 3. 配置网站 nginx 并启动 nginx
- a. vim /etc/nginx/nginx.conf



vim /etc/nginx/conf.d/default.conf

```
1 serve<mark>r</mark> {
       listen
                    80;
       server_name www.asd.com;
       #charset koi8-r;
       #access log /var/log/nginx/log/host.access.log main;
       location / {
           root /www;
10
           index index.php index.html index.htm;
11
12
13
       #error_page 404
                                      /404.html;
14
       # redirect server error pages to the static page /50x.html
       location ~ \.php$ {
          root
                           /www;
            fastcgi pass 127.0.0.1:9000;
            fastcgi_index index.php;
34
           fastcgi param SCRIPT FILENAME /www/$fastcgi script name;
35
                           fastcgi params;
           include
36
       }
-- 插入 --
```

启动 nginx

b. vim /etc/php-fpm.d/www.conf

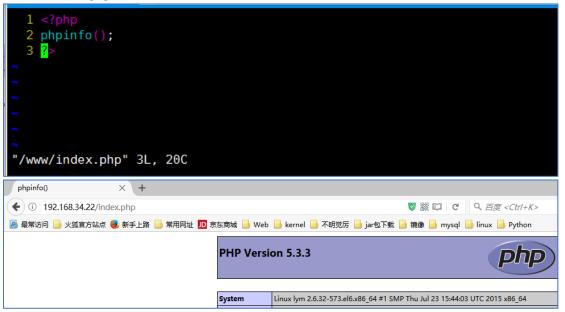
```
37; will be used.
38; RPM: apache Choosed to be able to access some dir as httpd
39 user = nginx
40; RPM: Keep a group allowed to write in log dir.
41 group = nginx
42
43; Choose how the process manager will control the number of child processes.
44; Possible Values:
45; static - a fixed number (pm.max_children) of child processes;
"/etc/php-fpm.d/www.conf" 226L, 10016C
```

4. 启动 php 和数据库

```
[root@lym ~]# service php-fpm start 正在启动 php-fpm: [确定]
[root@lym ~]# service mysql start mysql: 未被识别的服务
[root@lym ~]# service mysqld start mysql: 未被识别的服务
[root@lym ~]# service mysqld start 初始化 MySQL 数据库: WARNING: The host 'lym' could not be looked up with resolveip. This probably means that your libc libraries are not 100 % compatible with this binary MySQL version. The MySQL daemon, mysqld, should work normally with the exception that host name resolving will not work. This means that you should use IP addresses instead of hostnames when specifying MySQL privileges!
Installing MySQL system tables...
OK
Filling help tables...
OK
```

5. 授权, 使登录数据库时使用'123456'密码

### 6. 测试网站和 php 的连通性



### 以上搭建了一个 1nmp 环境.

#### 7. 安装 redis

```
[root@lym redis-2.8.19]# make PREFIX=/usr/local/redis install
cd src && make install
make[1]: Entering directory `/usr/src/redis-2.8.19/src'
Hint: It's a good idea to run 'make test' ;)
    INSTALL install
    INSTALL install
INSTALL install
INSTALL install
INSTALL install
make[1]: Leaving directory `/usr/src/redis-2.8.19/src'
[root@lym redis-2.8.19]#
[root@lym redis-2.8.19]#
[root@lym redis-2.8.19]# cp redis.conf /usr/local/redis/
[root@lym redis-2.8.19]#
[root@lym redis-2.8.19]#
[root@lym redis-2.8.19]# cd /usr/local/redis/
[root@lym redis]# ls
    redis.conf
```

8. 安装提供 php 和 redis 联系的软件

a. 解压

```
hipredis-master.zij
hip-xal-5.3.3-47-et6.x86 64.rpm
php-xalrpc-5.3.3-47-et6.x86 64.rpm
ppl-0.10.2-11.et6.x86_64.rpm
redis-2.8.19.tar.gz
sinjdoc-0.5-9.1.et6.x86 64.rpm
zlib-devel-1.2.3-29.et6.x86_64.rpm
Archive: phpredis-master.zip
90ecd1798da817f7b3f02fd430633d3e5d127654
   lecd1/98da81/17/05102/1494053/3/3696112/054
creating: /usr/src/phpredis-master/
inflating: /usr/src/phpredis-master/CREDITS
inflating: /usr/src/phpredis-master/CREDITS
inflating: /usr/src/phpredis-master/common.h
inflating: /usr/src/phpredis-master/config.m4
```

```
b. 安装
     [root@lym media]# cd /usr/src/
[root@lym src]# ts
debug kernels phpredis-master red
[root@lym src]# cd phpredis-master/
[root@lym phpredis-master]# ls
     [rootquym propredus-master]# Cs
common.h CREDITS debian.control library.c mkdeb-apache2.sh README.markdown redis_session.c serialize.list
config.m4 debian igbinary library.h php_redis.h redis_c redis_session.h tests
     [root@lym phpredis-master]# phpize
    Configuring for:
PHP Api Version:
    Zend Module Api No: 20090626
Zend Extension Api No: 220090626
[root@lym phpredis-master]# ./configure --with-php-config=/usr/bin/php-config
checking for grep that handles long lines and -e.../bin/grep
checking for egrep.../bin/grep -E
checking for a sed that does not truncate output.../bin/sed
   config.status: executing <u>libtool</u> commands
[root@lym phpredis-master # make && make install
    /bin/sh /usr/src/phpredis-master/libtool --mode=compile cc -I. -I/usr/src/phpredis-ma
   /src/phpredis-master/main -I/usr/src/phpredis-master -I/usr/include/php -I/usr/include
usr/include/php/ext -I/usr/include/php/ext/date/lib -DHAVE_CONFIG_H -g -02 -c /usr
libtool: compile: cc -I. -I/usr/src/phpredis-master -DPHP_ATOM_INC -I/usr/src/phpred:
 hpredis-master -I/usr/include/php -I/usr/include/php/main -I/usr/include/php/TSRM -I/u
```

c. 让 php 支持 redis

```
1650 soap.wsdl_cache_ttl=86400
1652 [sysvshm]
1653 ; A default size of the shared memory segment
1654 ;sysvshm.init_mem = 10000
1655
1656
1657
1658
1659
1660 extension=redis.so
"/etc/php.ini" 1660L, 69116C
[root@lym ~]# vim /etc/php.ini
[root@lym ~]; service php-fpm restart
停止 php-fpm.
                                                              [确定]
                                                              [确定]
正在启动 php-fpm:
[root@lym ~]#
                                    redis
                       Redis Support
                                                      enabled
        Redis Version
                                              2.1.0
```

### 9. 进入 mysql 插数据

```
yesple create database mystest;

Query OK, 1 row affected (6.00 sec)

mystple create database mystest;

Database changed

mystple create table test (

> 1d int not null auto-increment,

> name changed

mystple create table test (

> 1d int not null auto-increment)

> name changed

mystple create table test (

> 1d int not null auto-increment)

> name changed

mystple create table test (

| 1d | more man | more man | more man |

| 1d | more man | more man |

| 1d | more man | more man |

| 1d | more man |

| 1d | man |

| 2 | a2 |

| 3 | a3 |

| 4 | a4 |

| 5 | a5 |

| mystple

| mystple

| mystple

| mystple

| mystple
| more man |

| 1 | a1 |

| 2 | a2 |

| 3 | a3 |

| 4 | a4 |

| 5 | a5 |

mystple

myst
```

10. 开启 redis, 并编写脚本

11. 验证 php 访问 redis 和 mysql

