



链滴

# Centos 编译安装 zabbix (Nginx+MySQL+PHP)

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原文链接: <https://ld246.com/article/1525075777955>

来源网站: [链滴](#)

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<p>操作环境: <br>

centos: 6.8, 64 位<br>

jdk:1.7<br>

mysql:5.5.49</p>

<p>安装过程如下: <br>

```
[root@tbwy14 tools]# yum -y install gcc gcc-c++ autoconf automake zlib zlib-devel openssl  
openssl-devel pcre* make gd-devel libjpeg-devel libpng-devel libxml2-devel bzip2-devel libcurl-  
devel<br>
```

```
[root@tbwy14 tools]# useradd nginx -s /sbin/nologin -M<br>
```

```
[root@tbwy14 tools]# wget <a href="https://ld246.com/forward?goto=http%3A%2F%2Fnginx  
.org%2Fdownload%2Fnginx-1.9.15.tar.gz" target="_blank" rel="nofollow ugc">http://nginx.o  
g/download/nginx-1.9.15.tar.gz</a> <br>
```

```
[root@tbwy14 tools]# tar xvf nginx-1.9.15.tar.gz<br>
```

```
[root@tbwy14 tools]# cd nginx-1.9.15<br>
```

```
[root@tbwy14 nginx-1.9.15]#<br>
```

```
./configure --prefix=/usr/local/product/nginx1.9.15 --user=www --group=www --with-http_ss  
_module --with-http_v2_module --with-http_stub_status_module --with-pcre<br>
```

```
[root@tbwy14 nginx-1.9.15]# make<br>
```

```
[root@tbwy14 nginx-1.9.15]# make install<br>
```

```
[root@tbwy14 nginx-1.9.15]# ln -s /usr/local/product/nginx1.9.15 /usr/local/nginx ==&gt;  
建软链接<br>
```

```
[root@tbwy14 nginx-1.9.15]# cd ..<br>
```

```
[root@tbwy14 tools]# wget <a href="https://ld246.com/forward?goto=http%3A%2F%2Fcn2.  
hp.net%2Fget%2Fphp-5.5.35.tar.gz%2Ffrom%2Fthis%2Fmirror" target="_blank" rel="nofollow  
ugc">http://cn2.php.net/get/php-5.5.35.tar.gz/from/this/mirror</a> <br>
```

```
mv mirror php-5.5.35.tar.gz && tar xvf php-5.5.35.tar.gz && cd php-5.5.3  
<br>
```

```
./configure --prefix=/usr/local/product/php-5.5.35 --with-config-file-path=/usr/local/product  
php-5.5.35/etc --with-bz2 --with-curl --enable-ftp --enable-sockets --disable-ipv6 --with-gd -  
with-jpeg-dir=/usr/local --with-png-dir=/usr/local --with-freetype-dir=/usr/local --enable-gd  
native-ttf --with-iconv-dir=/usr/local --enable-mbstring --enable-calendar --with-gettext --wi  
h-libxml-dir=/usr/local --with-zlib --with-pdo-mysql=mysqlnd --with-mysqli=mysqlnd --with  
mysql=mysqlnd --enable-dom --enable-xml --enable-fpm --with-libdir=lib64 --enable-bcmath</p>
```

<p>make && make install<br>

错误: <br>

```
make: *** [sapi/cli/php] Error 1<br>
```

```
make test<br>
```

```
make install</p>
```

<p>解决方案: <br>

```
使用: make ZEND_EXTRA_LIBS='-liconv' <br>
```

```
或者: vim Makefile<br>
```

```
添加: -lcrypt</p>
```

```
<p>[root@tbwy14 php-5.5.35]# ln -s /usr/local/product/php-5.5.35 /usr/local/php<br>
```

```
[root@tbwy14 php-5.5.35]# cp php.ini-production /usr/local/php/etc/php.ini<br>
```

```
[root@tbwy14 php-5.5.35]# cd /usr/local/php/etc/<br>
```

```
[root@tbwy14 etc]# cp php-fpm.conf.default php-fpm.conf<br>
```

```
[root@tbwy14 etc]# vim /usr/local/php/etc/php.ini<br>
```

```
max_execution_time = 300<br>
```

```
memory_limit = 128M<br>
```

```
post_max_size = 16M<br>
```

```
upload_max_filesize = 2M<br>
```

```
max_input_time = 300<br>
```

```
date.timezone = PRC</p>
```

```
<p>groupadd mysql<br>
mkdir -pv /data/mysql<br>
useradd -r -g mysql -d /data/mysql -s /sbin/nologin mysql<br>
chown -R mysql:mysql /data/mysql</p>
<p>安装 cmake 及依赖: <br>
yum install cmake gcc* ncurses-devel -y<br>
下载 MySQL 安装包: <br>
wget <a href="https://ld246.com/forward?goto=http%3A%2F%2Fdev.mysql.com%2Fget%2F
downloads%2FMySQL-5.5%2Fmysql-5.5.49.tar.gz" target="_blank" rel="nofollow ugc">http://
ev.mysql.com/get/Downloads/MySQL-5.5/mysql-5.5.49.tar.gz</a> <br>
tar -xvf mysql-5.5.49.tar.gz &amp;&amp; cd mysql-5.5.49</p>
<p>cmake -DCMAKE_INSTALL_PREFIX=/usr/local/product/mysql5.5.49 -DDEFAULT_CHARSET
=utf8 -DENABLED_LOCAL_INFFILE=1 -DMYSQL_DATADIR=/data/mysql -DWITH_EXTRA_CHAR
ETS=all -DWITH_READLINE=1 -DWITH_INNOBASE_STORAGE_ENGINE=1 -DMYSQL_TCP_POR
=3306 -DDEFAULT_COLLATION=utf8_general_ci</p>
<p>make &amp;&amp; make install<br>
ln -s /usr/local/product/mysql5.5.49 /usr/local/mysql<br>
chown -R mysql:mysql /usr/local/mysql<br>
拷贝 mysql 的配置文件: <br>
cd /usr/local/mysql/support-files/<br>
cp my-medium.cnf /data/mysql/my.cnf<br>
cp mysql.server /etc/init.d/mysqld<br>
chmod +x /etc/init.d/mysqld</p>
<p>初始化 MySQL: <br>
cd /usr/local/mysql/scripts<br>
./mysql_install_db --user=mysql --basedir=/usr/local/mysql/ --datadir=/data/mysql/</p>
<p>修改 MySQL 配置文件 my.cnf 中数据目录: <br>
vim /data/mysql/my.cnf<br>
datadir=/data/mysql/</p>
<p>启动 MySQL: <br>
[root@zabbix ~]# /etc/init.d/mysqld start<br>
Starting MySQL... SUCCESS!</p>
<p>[root@tbwy14 scripts]# mysql -u root -p<br>
Enter password: 空<br>
Welcome to the MySQL monitor. Commands end with ; or \g.<br>
Your MySQL connection id is 1<br>
Server version: 5.5.49-log Source distribution</p>
<p>Copyright (c) 2000, 2010, Oracle and/or its affiliates. All rights reserved.<br>
This software comes with ABSOLUTELY NO WARRANTY. This is free software,<br>
and you are welcome to modify and redistribute it under the GPL v2 license</p>
<p>Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.</p>
<p>mysql>; use mysql<br>
Reading table information for completion of table and column names<br>
You can turn off this feature to get a quicker startup with -A</p>
<p>Database changed</p>
<p>mysql>; create database zabbix default charset utf8;<br>
Query OK, 1 row affected (0.00 sec)</p>
<p>mysql>; grant all privileges on zabbix.* to zabbix@'localhost' identified by 'zabbix';<br>
Query OK, 0 rows affected (0.00 sec)</p>
<p>mysql>; flush privileges;<br>
Query OK, 0 rows affected (0.00 sec)</p>
<p>mysql>; show databases;<br>
+-----+<br>
```

```

| Database      |<br>
+-----+<br>
| information_schema |<br>
| 3306          |<br>
| mysql         |<br>
| performance_schema |<br>
| test         |<br>
| zabbix        |<br>
+-----+<br>
6 rows in set (0.00 sec)</p>
<p>mysql>& quit<br>
[root@tbwy14 scripts]# ln -s /tmp/mysql.sock /var/lib/mysql/<br>
[root@tbwy14 scripts]# mysql<br>
Welcome to the MySQL monitor.  Commands end with ; or \g.<br>
Your MySQL connection id is 2<br>
Server version: 5.5.49-log Source distribution</p>
<p>Copyright (c) 2000, 2010, Oracle and/or its affiliates. All rights reserved.<br>
This software comes with ABSOLUTELY NO WARRANTY. This is free software,<br>
and you are welcome to modify and redistribute it under the GPL v2 license</p>
<p>Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.</p>
<p>mysql>& quit</p>
<p>[root@tbwy14 scripts]# mysqladmin -uroot password "zabbix"<br>
[root@tbwy14 scripts]# cd /tools/<br>
[root@tbwy14 tools]# tar xzf zabbix-3.0.3.tar.gz && cd zabbix-3.0.3<br>
[root@tbwy14 zabbix-3.0.3]# ./configure --prefix=/usr/local/zabbix-3.0.3/ --enable-server --e
able-agent --with-mysql --with-net-snmp --with-libcurl --with-libxml2</p>
<p>故障: <br>
checking for mysql_config... no<br>
configure: error: MySQL library not found</p>
<p>解决: <br>
yum install mysql-devel -y</p>
<p>故障: <br>
checking for net-snmp-config... no<br>
configure: error: Invalid Net-SNMP directory - unable to find net-snmp-config</p>
<p>解决: <br>
yum install net-snmp-devel -y</p>
<p>[root@tbwy14 zabbix-3.0.3]# yum install net-snmp-devel -y<br>
[root@tbwy14 zabbix-3.0.3]# ./configure --prefix=/usr/local/zabbix-3.0.3/ --enable-server --e
able-agent --with-mysql --with-net-snmp --with-libcurl --with-libxml2<br>
[root@tbwy14 zabbix-3.0.3]# make && make install</p>
<p>创建 zabbix 用户: <br>
[root@zabbix zabbix-3.0.3]# groupadd zabbix<br>
[root@zabbix zabbix-3.0.3]# useradd zabbix -s /sbin/nologin -M -g<br>
zabbix server 需要导入 3 个 sql 文件: <br>
[root@zabbix zabbix-3.0.3]# mysql -uroot -pzabbix zabbix & database/mysql/schema.sql<b
>
>
[root@zabbix zabbix-3.0.3]# mysql -uroot -pzabbix zabbix & database/mysql/images.sql<b
>
>
[root@zabbix zabbix-3.0.3]# mysql -uroot -pzabbix zabbix & database/mysql/data.sql<br>
[root@zabbix zabbix-3.0.3]# pwd<br>
/root/zabbix-3.0.3</p>
<p>zabbix 管理网站配置 (nginx) : <br>
创建项目目录: </p>
<p>[root@zabbix zabbix-3.0.3]# mkdir /data/web/zabbix.lifec.com -p<br>

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[root@zabbix zabbix-3.0.3]# mkdir /data/logs/zabbix -p</p>
<p>将前端文件拷贝到项目目录下: <br>
[root@zabbix zabbix-3.0.3]# cp -rp frontends/php/* /data/web/zabbix.lifec.com/</p>
<p>编辑 nginx 虚拟主机: <br>
[root@zabbix conf]# mkdir extra<br>
[root@zabbix conf]# cd extra/<br>
[root@zabbix extra]# vim zabbix.conf</p>
<p>server {<br>
listen 8027;<br>
server_name zabbix.lifec.com;<br>
access_log /data/logs/zabbix/zabbix.lifec.com.access.log main;<br>
index index.html index.php index.html;<br>
root /data/web/zabbix.lifec.com;</p>
<p>location /{<br>
try_files <span class="language-math">uri </span>uri/ /index.php?$args;<br>
}</p>
<p>location ~ ^(.+\.php)(\.<em>)$ {<br>
fastcgi_split_path_info ^(.+\.php)(\.</em>)$;<br>
include fastcgi.conf;<br>
fastcgi_pass 127.0.0.1:9000;<br>
fastcgi_index index.php;<br>
fastcgi_param PATH_INFO $fastcgi_path_info;<br>
}<br>
}</p>
<p>编辑 nginx.conf 配置文件: <br>
[root@zabbix conf]# cat nginx.conf<br>
user nginx;<br>
worker_processes 1;</p>
<p>#error_log logs/error.log warning;<br>
#error_log logs/error.log notice;<br>
#error_log logs/error.log info;</p>
<p>pid logs/nginx.pid;</p>
<p>events {<br>
worker_connections 1024;<br>
}</p>
<p>http {<br>
include mime.types;<br>
default_type application/octet-stream;</p>
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl"> log_format main '$remote_addr - $remote_user [$time_local] "$request" '
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> '$statu
$body_bytes_sent "$http_referer" '
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> '$http
user_agent' "$http_x_forwarded_for";
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> access_log logs/a
cess.log main;
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> sendfile on;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> #tcp_nopush on
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> #keepalive_timeo
t 0;

```

```

</span></span><span class="highlight-line"><span class="highlight-cl">keepalive_timeout
65;
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">#gzip on;
</span></span><span class="highlight-line"><span class="highlight-cl">include extra/*.co
f;
</span></span></code></pre>
<p></p>
<p>编辑 zabbix_server.conf 文件: <br>
[root@zabbix etc]# pwd<br>
/usr/local/zabbix-3.0.2/etc<br>
LogFile=/tmp/zabbix_server.log<br>
PidFile=/tmp/zabbix_server.pid<br>
DBHost=localhost<br>
DBName=zabbix<br>
DBUser=zabbix<br>
DBPassword=zabbix</p>
<p>启动服务<br>
启动 nginx: <br>
[root@zabbix conf]# /usr/local/nginx/sbin/nginx</p>
<p>启动 PHP: <br>
[root@zabbix conf]# /usr/local/php/sbin/php-fpm</p>
<p>启动 zabbix server: <br>
[root@zabbix conf]# /usr/local/zabbix-3.0.3/sbin/zabbix_server</p>
<p>如果启动的时候报错: </p>
<p>[root@zabbix ~]# /usr/local/zabbix-3.0.3/sbin/zabbix_server<br>
/usr/local/zabbix-3.0.2/sbin/zabbix_server: error while loading shared libraries: libmysqlclient.
o.18: cannot open shared object file: No such file or directory</p>
<p>[root@zabbix ~]# ln -s /usr/local/mysql/lib/libmysqlclient.so.18 /usr/lib64/</p>
<p>[root@tbwy14 etc]# /usr/local/zabbix-3.0.3/sbin/zabbix_server<br>
zabbix_server [9640]: user zabbix does not exist<br>
zabbix_server [9640]: cannot run as root!</p>
<p>解决方案: <br>
[root@server sbin]# groupadd zabbix -g 686<br>
[root@server sbin]# useradd zabbix -u 686 -g zabbix -s /sbin/nologin<br>
[root@tbwy14 etc]# /usr/local/zabbix-3.0.3/sbin/zabbix_server</p>
<p>添加/etc/hosts 文件: <br>
192.168.119.140 zabbix.lifec.com</p>
<p>查看服务端口: <br>
[root@zabbix conf]# netstat -lntup<br>
Active Internet connections (only servers)<br>
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program
ame<br>
tcp      0      0 0.0.0.0:22             0.0.0.0:*               LISTEN      1029/sshd<br>
tcp      0      0 0.0.0.0:8027           0.0.0.0:*               LISTEN      3730/nginx<br>
tcp      0      0 0.0.0.0:10051          0.0.0.0:*               LISTEN      3743/zabbix_server<br>
tcp      0      0 127.0.0.1:9000         0.0.0.0:*               LISTEN      3736/php-fpm<br>
tcp      0      0 0.0.0.0:3306           0.0.0.0:*               LISTEN      24922/mysqld<br>
tcp      0      0 :::22                  :::*                     LISTEN      1029/sshd<br>
udp      0      0 0.0.0.0:68            0.0.0.0:*               LISTEN      880/dhclient</p>
<p>将服务加入开机自启动: <br>
[root@zabbix ~]# echo "/usr/local/nginx/sbin/nginx" &gt;&gt;/etc/rc.local<br>
[root@zabbix ~]# echo "/usr/local/php/sbin/php-fpm" &gt;&gt;/etc/rc.local<br>
[root@zabbix ~]# echo "/etc/init.d/mysqld start" &gt;&gt;/etc/rc.local<br>

```

```
[root@zabbix ~]# echo "/usr/local/zabbix-3.0.3/sbin/zabbix_server" &gt;&gt;/etc/rc.local</p>
<p><a href="https://ld246.com/forward?goto=http%3A%2F%2F192.168.0.26%3A8027" target
="_blank" rel="nofollow ugc">http://192.168.0.26</a>/setup.php</p>
<p>登录 Web</p>
<p>用户名: Admin<br>
密码: zabbix</p>
<p>图形字体新增:<br>
C:\Windows\Fonts 将选择的字体上传到 Linux 服务器的 zabbix 的 fonts 目录: /data/web/zabbix.l
fec.com/fonts</p>
<p>并修改以下配置: <br>
vim /data/web/zabbix.lifec.com/include/defines.inc.php<br>
define('ZBX_GRAPH_FONT_NAME', 'DejaVuSans'); // font file name<br>
define('ZBX_GRAPH_FONT_NAME', 'simsun'); // font file name    ==&gt; 此行为新增行; <br>

define('ZBX_FONT_NAME', 'DejaVuSans');<br>
define('ZBX_FONT_NAME', 'simsun');    ==&gt; 此行为新增行; </p>
<p>重启服务即可。 <br>
[root@tbwy14 fonts]# vim /data/web/zabbix.lifec.com/include/defines.inc.php<br>
define('ZBX_GRAPH_FONT_NAME', 'simkai'); // font file name    ==&gt; 此行为新增行; <br>
define('ZBX_FONT_NAME', 'simkai');    ==&gt; 此行为新增行; <br>
[root@tbwy14 fonts]# </p>
```