Table of Contents

[1,remove old version 1](#_Toc444702335)

[2,Install apache2.4.6 1](#_Toc444702336)

[3,install mysql-5.7.11 1](#_Toc444702337)

[4,install php-5.6.18 3](#_Toc444702338)

[5,check 4](#_Toc444702339)

[6,other 5](#_Toc444702340)

# 1,remove old version

sudo yum remove httpd mysql

# 2,Install apache2.4.6

sudo yum install gcc-c++ -y

tar xf apr-1.5.2.tar.gz

cd apr-1.5.2

sudo mkdir /usr/local/apr

sudo ./configure --prefix=/usr/local/apr

sudo make

sudo make install

sudo mkdir /usr/local/apr-util

cd ..

tar xf apr-util-1.5.4.tar.gz

cd apr-util-1.5.4

sudo ./configure --prefix=/usr/local/apr-util --with-apr=/usr/local/apr/bin/apr-1-config

sudo make

sudo make install

cd ..

tar xf pcre-8.37.tar.gz

cd pcre-8.37

sudo mkdir /usr/local/pcre

sudo ./configure --prefix=/usr/local/pcre --with-apr=/usr/local/apr/bin/apr-1-config

sudo make

sudo make install

cd ..

tar xf httpd-2.4.6.tar.gz

cd httpd-2.4.6

sudo yum install pcre pcre-devel -y

sudo ./configure --prefix=/usr/local/apache --with-pcre=/usr/local/pcre --with-apr=/usr/local/apr --with-apr-util=/usr/local/apr-util

sudo make

sudo make install

[root@zabbix httpd-2.4.6]# vim /etc/init.d/httpd

#!/bin/bash

#

# Licensed to the Apache Software Foundation (ASF) under one or more

# contributor license agreements. See the NOTICE file distributed with

# this work for additional information regarding copyright ownership.

# The ASF licenses this file to You under the Apache License, Version 2.0

# (the "License"); you may not use this file except in compliance with

# the License. You may obtain a copy of the License at

#

# http://www.apache.org/licenses/LICENSE-2.0

#

# Unless required by applicable law or agreed to in writing, software

# distributed under the License is distributed on an "AS IS" BASIS,

# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.

# See the License for the specific language governing permissions and

# limitations under the License.

#

#

# httpd Startup script for the Apache Web Server

#

# chkconfig: - 85 15

# description: The Apache HTTP Server is an efficient and extensible \

# server implementing the current HTTP standards.

# processname: httpd

# pidfile: /var/run/httpd.pid

# config: /etc/sysconfig/httpd

#

### BEGIN INIT INFO

# Provides: httpd

# Required-Start: $local\_fs $remote\_fs $network $named

# Required-Stop: $local\_fs $remote\_fs $network

# Should-Start: distcache

# Short-Description: start and stop Apache HTTP Server

# Description: The Apache HTTP Server is an extensible server

# implementing the current HTTP standards.

### END INIT INFO

# Source function library.

. /etc/rc.d/init.d/functions

# What were we called? Multiple instances of the same daemon can be

# created by creating suitably named symlinks to this startup script

prog=$(basename $0 | sed -e 's/^[SK][0-9][0-9]//')

if [ -f /etc/sysconfig/${prog} ]; then

. /etc/sysconfig/${prog}

fi

# Start httpd in the C locale by default.

HTTPD\_LANG=${HTTPD\_LANG-"C"}

# This will prevent initlog from swallowing up a pass-phrase prompt if

# mod\_ssl needs a pass-phrase from the user.

INITLOG\_ARGS=""

# Set HTTPD=/usr/sbin/httpd.worker in /etc/sysconfig/httpd to use a server

# with the thread-based "worker" MPM; BE WARNED that some modules may not

# work correctly with a thread-based MPM; notably PHP will refuse to start.

httpd=${HTTPD-/usr/local/apache/bin/httpd}

#pidfile=${PIDFILE-/var/run/${prog}.pid}

pidfile=/usr/local/apache/logs/httpd.pid

lockfile=${LOCKFILE-/var/lock/subsys/${prog}}

RETVAL=0

# check for 1.3 configuration

check13 () {

CONFFILE=/usr/local/apache/conf/httpd.conf

GONE="(ServerType|BindAddress|Port|AddModule|ClearModuleList|"

GONE="${GONE}AgentLog|RefererLog|RefererIgnore|FancyIndexing|"

GONE="${GONE}AccessConfig|ResourceConfig)"

if grep -Eiq "^[[:space:]]\*($GONE)" $CONFFILE; then

echo

echo 1>&2 " Apache 1.3 configuration directives found"

echo 1>&2 " please read @docdir@/migration.html"

failure "Apache 1.3 config directives test"

echo

exit 1

fi

}

# The semantics of these two functions differ from the way apachectl does

# things -- attempting to start while running is a failure, and shutdown

# when not running is also a failure. So we just do it the way init scripts

# are expected to behave here.

start() {

echo -n $"Starting $prog: "

check13 || exit 1

LANG=$HTTPD\_LANG daemon --pidfile=${pidfile} $httpd $OPTIONS

RETVAL=$?

echo

[ $RETVAL = 0 ] && touch ${lockfile}

return $RETVAL

}

stop() {

echo -n $"Stopping $prog: "

killproc -p ${pidfile} -d 10 $httpd

RETVAL=$?

echo

[ $RETVAL = 0 ] && rm -f ${lockfile} ${pidfile}

}

reload() {

echo -n $"Reloading $prog: "

check13 || exit 1

killproc -p ${pidfile} $httpd -HUP

RETVAL=$?

echo

}

# See how we were called.

case "$1" in

start)

start

;;

stop)

stop

;;

status)

if ! test -f ${pidfile}; then

echo $prog is stopped

RETVAL=3

else

status -p ${pidfile} $httpd

RETVAL=$?

fi

;;

restart)

stop

start

;;

condrestart)

if test -f ${pidfile} && status -p ${pidfile} $httpd >&/dev/null; then

stop

start

fi

;;

reload)

reload

;;

configtest)

LANG=$HTTPD\_LANG $httpd $OPTIONS -t

RETVAL=$?

;;

graceful)

echo -n $"Gracefully restarting $prog: "

LANG=$HTTPD\_LANG $httpd $OPTIONS -k $@

RETVAL=$?

echo

;;

\*)

echo $"Usage: $prog {start|stop|restart|condrestart|reload|status|graceful|help|configtest}"

exit 1

esac

exit $RETVAL

#chkconfig httpd on

# 3,install mysql-5.7.11

cd ..

tar xf boost\_1\_59\_0.tar.gz

sudo mv boost\_1\_59\_0 /usr/local/boost

tar xf mysql-5.7.11.tar.gz

cd mysql-5.7.11

sudo yum install gcc gcc-c++ gcc-g77 autoconf automake zlib**\*** fiex**\*** libxml**\*** ncurses-devel libmcrypt**\*** libtool-ltdl-devel**\*** make cmake -y

cmake -DCMAKE\_INSTALL\_PREFIX=/usr/local/mysql \

-DCMAKE\_INSTALL\_PREFIX=/usr/local/mysql \

-DMYSQL\_DATADIR=/usr/local/mysql/data \

-DSYSCONFDIR=/etc \

-DWITH\_MYISAM\_STORAGE\_ENGINE=1 \

-DWITH\_INNOBASE\_STORAGE\_ENGINE=1 \

-DWITH\_MEMORY\_STORAGE\_ENGINE=1 \

-DWITH\_READLINE=1 \

-DMYSQL\_UNIX\_ADDR=/var/lib/mysql/mysql.sock \

-DMYSQL\_TCP\_PORT=3306 \

-DENABLED\_LOCAL\_INFILE=1 \

-DWITH\_PARTITION\_STORAGE\_ENGINE=1 \

-DEXTRA\_CHARSETS=all \

-DDEFAULT\_CHARSET=utf8 \

-DDEFAULT\_COLLATION=utf8\_general\_ci \

-DWITH\_BOOST=/usr/local/boost

sudo make

sudo make install

useradd mysql

sudo mkdir -p /usr/local/mysql/data

sudo chown -R mysql:mysql /usr/local/mysql/

sudo vi /etc/my.cnf

[mysqld]

datadir=/usr/local/mysql/data

socket=/var/lib/mysql/mysql.sock

user=mysql

# Disabling symbolic-links is recommended to prevent assorted security risks

symbolic-links=0

[mysqld\_safe]

log-error=/var/log/mysqld.log

pid-file=/var/run/mysqld/mysqld.pid

sudo /usr/local/mysql/bin/mysqld --initialize-insecure --user=mysql --datadir=/usr/local/mysql/data/ --basedir=/usr/local/mysql/ --explicit\_defaults\_for\_timestamp

sudo cp /usr/local/mysql/support-files/mysql.server /etc/init.d/mysqld

sudo /etc/init.d/mysqld start

echo 'export PATH=/usr/local/mysql/bin:$PATH' >> /etc/profile

source /etc/profile

mysql -u root

\q

chkconfig mysqld on

# 4,install php-5.6.18

cd /usr/local/mysql/lib/

sudo ln -s libmysqlclient.so.20.2.0 libmysqlclient\_r.so

cd –

cd ..

tar xf php-5.6.18.tar.gz

cd php-5.6.18

sudo yum install libxml2-devel libpng-devel libjpeg-turbo-devel freetype freetype-devel -y

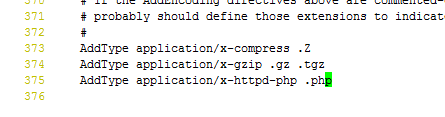
./configure --prefix=/usr/local/apache/php --with-apxs2=/usr/local/apache/bin/apxs --with-config-file-path=/usr/local/apache/php --enable-sigchild --with-mysql=/usr/local/mysql --enable-mbstring --enable-sockets --with-freetype-dir --with-png-dir --with-jpeg-dir --with-gd --enable-bcmath --with-gettext --enable-embedded-mysqli --with-mysqli=/usr/local/mysql/bin/mysql\_config --with-config-file-path=/usr/local/apache/php/ --with-mhash --enable-gd-native-ttf --with-zlib

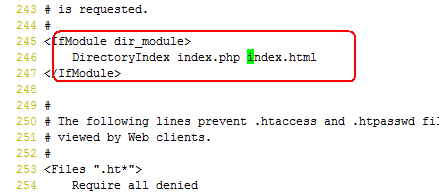
sudo make

sudo make test

sudo make install

sudo vi /usr/local/apache/conf/httpd.conf





vi /usr/local/apache/htdocs/index.php

<?php

phpinfo();

?>

sudo /usr/local/apache/bin/apachectl start

cat >> /usr/local/apache/php/php.ini<<EOF

post\_max\_size = 20M

max\_execution\_time = 300

date.timezone = Asia/Shanghai

always\_populate\_raw\_post\_data = -1

EOF

[root@zabbix ~]# cat /usr/local/apache/php/php.ini

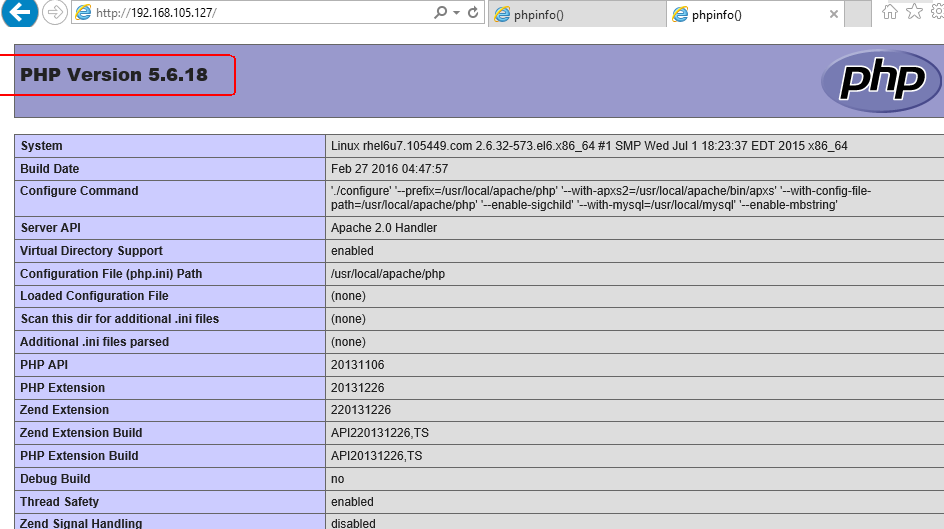
post\_max\_size = 20M

max\_execution\_time = 300

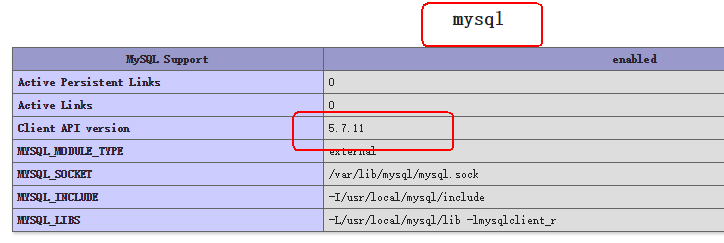
date.timezone = Asia/Shanghai

always\_populate\_raw\_post\_data = -1

# 5,check







# 6,service dir

Apache dir:/usr/local/apache

Apache index dir: /usr/local/apache/htdocs/

Apache config dir :/usr/local/apache/conf

Mysql dir:/usr/local/mysql

Mysql datadir:/usr/local/mysql/data

Php dir:/usr/local/apache/php

yum install net-snmp\* curl libcurl-devel ipmitool net-snmp-devel OpenIPMI OpenIPMI-devel rpm-build curl curl-devel ntpdate

cp /usr/share/zoneinfo/Asia/Shanghai /etc/localtime

ntpdate 3.pool.ntp.org

tar xf zabbix-3.0.4.tar.gz

cd zabbix-3.0.4

./configure --prefix=/usr/local/zabbix --enable-server --enable-agent --with-mysql --enable-ipv6 --with-net-snmp --with-libcurl --with-libxml2 --with-openipmi

#make && make install

#mkdir /usr/local/apache/htdocs/zabbix

cp -a frontends/php/.\* /usr/local/apache/htdocs/zabbix/

mysql -e " create database zabbix character set utf8; "

mysql -e " grant all privileges on zabbix.\* to zabbix@localhost identified by 'zabbix';"

mysql -e " flush privileges"

[root@zabbix zabbix-3.0.4]# mysql zabbix < database/mysql/schema.sql

[root@zabbix zabbix-3.0.4]# mysql zabbix < database/mysql/images.sql

[root@zabbix zabbix-3.0.4]# mysql zabbix < database/mysql/data.sql

ln -s /usr/local/mysql/lib/libmysqlclient.so.20 /usr/lib64/

[root@zabbix zabbix-3.0.4]# cp misc/init.d/fedora/core/zabbix\_\* /etc/init.d/

ln -s /usr/local/zabbix/sbin/zabbix\_server /usr/local/sbin/

useradd zabbix

# vim /usr/local/zabbix/etc/zabbix\_server.conf

ListenPort=10051

DBHost=127.0.0.1

DBName=zabbix

DBPassword=zabbix

AlertScriptsPath=//usr/local/zabbix/alertscripts

StartVMwareCollectors=5

VMwareFrequency=60

VMwareCacheSize=8M

[root@zabbix zabbix-3.0.4]# /etc/init.d/zabbix\_server start

Starting zabbix\_server: [ OK ]

cp /usr/local/zabbix/sbin/zabbix\_agentd /usr/local/sbin/

mkdir -p /usr/local/zabbix/alertscripts

[root@zabbix zabbix-3.0.4]# vim /usr/local/zabbix/alertscripts/sendmail.sh

#!/bin/bash

day=`date +%Y%m%d\_%H%M`

log\_dir=/usr/local/zabbix/share/zabbix/alertscripts/log

name=`echo $1 |awk -F@ '{print $1}'`

function redirect\_log ()

{

log\_file=$log\_dir/mail\_${day}\_$name.log

log\_err=$log\_dir/mail\_${day}\_$name.err.log

mkdir -p $log\_dir

exec 1>$log\_file

exec 2>$log\_err

} # ---------- end of function redirect\_log ----------

redirect\_log

echo "$3" | sed s/'\r'//g | mailx -s "$2" $1

[ $? -eq 0 ] && echo "mailto:$1 sub:$2 content:$3 Successfull." || echo [mailto:$1 sub:$2 content:$3 Failed.](mailto:$1%20sub:$2%20content:$3%20Failed.)

chmod +x /usr/local/zabbix/alertscripts/sendmail.sh

yum install mailx

[root@zabbix zabbix-3.0.4]# vim /etc/mail.rc

set from=zabbix@bluedot.com.cn

set smtp=smtp.mxhichina.com

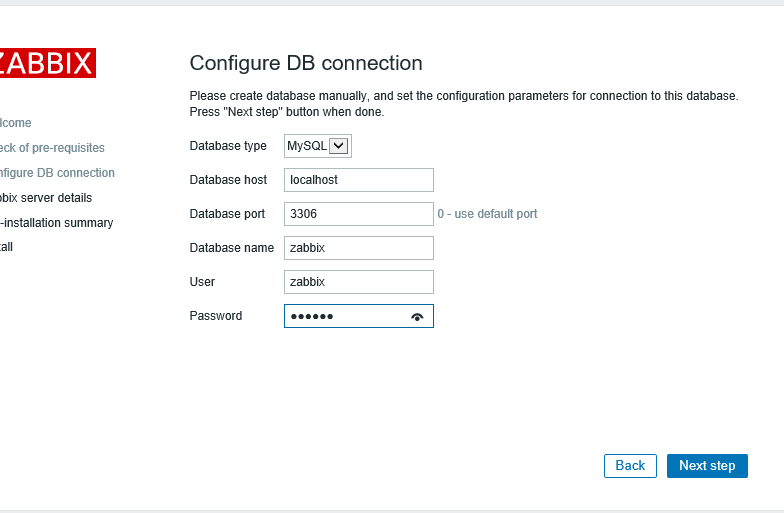
set smtp-auth-user=zabbix@bluedot.com.cn

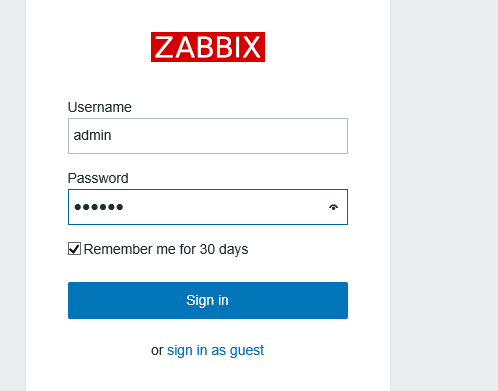
set smtp-auth-password=xxxxxxxx

set smtp-auth=login

chkconfig zabbix\_server on

chkconfig zabbix\_agentd on





添加vcenter到zabbix监控时，在macros里添加{$PASSWORD} = Password\_169 {$URL}= <https://10.150.88.161/sdk> {$USERNAME} = [administrator@vsphere.local](mailto:administrator@vsphere.local)

# Zabbix Agent 端的安装

useradd -M zabbix

tar xf zabbix-3.0.4.tar.gz

cd zabbix-3.0.4

./configure --prefix=/usr/local/zabbix --enable-agent

make && make install

cp misc/init.d/fedora/core/zabbix\_agentd /etc/init.d/

cp /usr/local/zabbix/sbin/zabbix\_agentd /usr/local/sbin/

sed -i 's/^Server=.\*/Server=10.150.10.232/' /usr/local/zabbix/etc/zabbix\_agentd.conf

sed -i "s/^Hostname=.\*/Hostname=$(hostname)/" /usr/local/zabbix/etc/zabbix\_agentd.conf

/etc/init.d/zabbix\_agentd start

chkconfig zabbix\_agentd on