**Phần I:Hướng dẫn cài đặt Zabbix từ Source**

*Thứ Năm, 28 tháng 9, 2017*

Cài đặt zabbix 3.4 trên centos 6 từ mã nguồn

**STEP TO SUCCESS!  
ZABBIX INSTALLATION FROM SOURCE**

**Mục tiêu: build zabbix 3.4.2 từ mã nguồn**

---------------------------------------------------------  
System:  
VM: CENTOS 6.9 F, IP LAN: 192.168.0.190/24, IP Public: 210.211.124.173/27  
PHP: 5.6  
SQL: MYSQL 5.6  
---------------------------------------------------------

**Vì sao là Centos 6?**

Chủ yếu là vì trên centos 7, ubuntu hay debian thì cài thẳng từ repo cho lẹ :). Ở VN mọi người vẫn rất hay dùng centos 6 - vì thói quen thôi.  
Hiện trên centos 6 chỉ có thể cài zabbix\_agent thông qua yum.  
Đây chính là mục đích của bài viết này: Tự build zabbix trên centos 6 (latest release: centos 6.9F).

**P1. Install MySql Server**

**\*Install MySQL 5.6**

# wget https://dev.mysql.com/get/mysql57-community-release-el6-11.noarch.rpm  
# rpm -ivh mysql57-community-release-el6-11.noarch.rpm  
  
Sửa Nội dung file /etc/yum.repos.d/mysql-community.repo  
....  
# Enable to use MySQL 5.6  
[mysql56-community]  
name=MySQL 5.6 Community Server  
baseurl=http://repo.mysql.com/yum/mysql-5.6-community/el/6/$basearch/  
enabled=1  
gpgcheck=1  
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-mysql  
  
[mysql57-community]  
name=MySQL 5.7 Community Server  
baseurl=http://repo.mysql.com/yum/mysql-5.7-community/el/6/$basearch/  
enabled=0  
gpgcheck=1  
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-mysql  
....

**\* Cài đặt MySQL:**

# yum install mysql-community-server mysql-community-devel

**\* Bảo mật MySql:**

# service mysql start  
# mysql\_secure\_installation

**P2. Tải source Zabbix:**

Các phiên bản Zabbix có thể tại tại:  
<https://sourceforge.net/projects/zabbix/files/>  
Tải Bản mới nhất: 3.4.2:  
<https://sourceforge.net/projects/zabbix/files/ZABBIX%20Latest%20Stable/3.4.2/zabbix-3.4.2.tar.gz>  
  
# cd /usr/local/src/  
# wget https://sourceforge.net/projects/zabbix/files/ZABBIX%20Latest%20Stable/3.4.2/zabbix-3.4.2.tar.gz  
  
Xả nén bộ cài:  
  
# tar -xzvf zabbix-3.4.2.tar.gz

**P3. Cài đặt Cơ sở dữ liệu cho Zabbix**

**\* Tạo CSDL zabbix:**

# mysql -u root -p  
Enter password:  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 13  
Server version: 5.6.37 MySQL Community Server (GPL)  
Copyright (c) 2000, 2017, Oracle and/or its affiliates. All rights reserved.  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
mysql> create database zabbix character set utf8 collate utf8\_bin;  
Query OK, 1 row affected (0.00 sec)  
mysql> grant all privileges on zabbix.\* to zabbix@localhost identified by '123456';  
Query OK, 0 rows affected (0.00 sec)  
mysql> flush privileges;  
Query OK, 0 rows affected (0.00 sec)  
mysql> quit  
Bye

**\* Import cấu trúc CSDL của zabbix :**

# cd /usr/local/src/zabbix-3.4.2/database/mysql/  
# mysql -u root -p -D zabbix < schema.sql  
# mysql -u root -p -D zabbix < images.sql  
# mysql -u root -p -D zabbix < data.sql

**P4. Build Zabbix server và cấu hình:**

**\* Cài đặt các thư viện cần thiết để build source:**

# yum install gcc make libxml2-devel net-snmp-devel libcurl-devel libssh2-devel libevent-devel pcre-devel iksemel-devel java-1.8.0-openjdk-devel openldap-devel openssl-devel

**\* Tiến  hành build source:**

# groupadd zabbix  
# useradd -g zabbix zabbix  
# cd /usr/local/src/zabbix-3.4.2  
# ./configure --enable-server  --prefix=/usr/local --sysconfdir=/etc/zabbix  --with-mysql --with-net-snmp --with-libcurl --with-libxml2  
# make  
# make install  
# chown zabbix:zabbix /var/log/zabbix/  
# mkdir /var/run/zabbix/  
# chown zabbix:zabbix /var/run/zabbix/

**options**

./configure --enable-server --enable-agent --prefix=/usr/local --sysconfdir=/etc/zabbix --enable-java --with-mysql --with-jabber --with-libcurl --with-net-snmp --with-ldap --with-iconv --with-libxml2 --with-openssl

**\* Sửa file  /etc/zabbix/zabbix\_server.conf thành:**

LogFile=/var/log/zabbix/zabbix\_server.log  
LogFileSize=500  
DBHost=localhost  
DBName=zabbix  
DBUser=zabbix  
DBPassword=123456  
PidFile=/var/run/zabbix/zabbix\_server.pid

**\* Sửa file  /etc/zabbix/zabbix\_agentd.conf thành:**

# This is a configuration file for Zabbix agent daemon (Unix)  
# To get more information about Zabbix, visit http://www.zabbix.com  
LogFile=/var/log/zabbix/zabbix\_agentd.log  
LogFileSize=200  
PidFile=/var/run/zabbix/zabbix\_agent.pid  
Server=127.0.0.1  
StartAgents=5  
ServerActive=127.0.0.1  
Hostname=ZabbixServer  
BufferSend=15  
BufferSize=300  
MaxLinesPerSecond=40  
############ ADVANCED PARAMETERS #################  
Timeout=5  
User=zabbix  
Include=/etc/zabbix/zabbix\_agentd.conf.d/\*.conf

**\* Tạo file init script: /etc/init.d/zabbix-server**

**nội dung:**

#!/bin/bash  
#  
# zabbix\_server This shell script takes care of starting  
#                       and stopping Zabbix Server daemon  
#  
# chkconfig:  35 96 14  
# description: ZABBIX is an all-in-one 24x7 monitoring system  
#  
  
# Source function library.  
. /etc/rc.d/init.d/functions  
  
# Source networking configuration.  
. /etc/sysconfig/network  
  
# Check that networking is up.  
[ ${NETWORKING} = "no" ] && exit 0  
  
  
RETVAL=0  
  
# Setting up configuration  
ZABBIX\_NAME="zabbix\_server"  
ZABBIX\_CONF="/etc/zabbix/$ZABBIX\_NAME.conf"  
  
if [ ! -f $ZABBIX\_CONF ]  
then  
    echo "$ZABBIX\_NAME configuration file $ZABBIX\_CONF does not exist. "  
    exit 3  
fi  
  
# Source config file to load configuration  
. $ZABBIX\_CONF  
  
ZABBIX\_USER="zabbix"  
ZABBIX\_BIND="/usr/local/sbin"  
ZABBIX\_BINF="$ZABBIX\_BIND/$ZABBIX\_NAME"  
  
if [ ! -x $ZABBIX\_BINF ] ; then  
    echo "$ZABBIX\_BINF not installed! "  
    exit 4  
fi  
  
ZABBIX\_LOGD="`dirname $LogFile`"  
ZABBIX\_LOGF="$LogFile"  
if [ -z $ZABBIX\_LOGF ]  
then  
    echo "LogFile path is not specified in $ZABBIX\_CONF"  
    exit 5  
fi  
  
ZABBIX\_PIDF="$PidFile"  
if [ -z $ZABBIX\_PIDF ]  
then  
    echo "LogFile path is not specified in $ZABBIX\_CONF"  
    exit 5  
fi  
  
  
# Functions  
runcheck() {  
    [ ! -f $ZABBIX\_PIDF ] && return 0  
    PID=`cat $ZABBIX\_PIDF`  
    checkpid $PID  
    [ $? -ne 0 ] && rm -f $ZABBIX\_PIDF  
}  
  
pidofzab() {  
    pidofproc -p "$ZABBIX\_PIDF" $ZABBIX\_NAME  
}  
  
start() {  
    # Start daemons.  
    echo -n $"Starting $ZABBIX\_NAME: "  
    if [ -n "`pidofzab`" ]; then  
      echo -n "$ZABBIX\_NAME: already running"  
      failure  
      echo  
      return 1  
    fi  
    if [ ! -d $ZABBIX\_LOGD ]; then  
      mkdir -p $ZABBIX\_LOGD  
      chown $ZABBIX\_USER $ZABBIX\_LOGD  
    fi  
    runcheck  
    daemon --user $ZABBIX\_USER $ZABBIX\_BINF -c $ZABBIX\_CONF  
    RETVAL=$?  
    if [ -f $ZABBIX\_PIDF ]; then  
      chown $ZABBIX\_USER $ZABBIX\_PIDF  
    fi  
    echo  
    [ $RETVAL -eq 0 ] && touch /var/lock/subsys/$ZABBIX\_NAME  
    return $RETVAL  
}  
  
stop() {  
    # Stop daemons.  
    echo -n $"Shutting down $ZABBIX\_NAME: "  
    killproc $ZABBIX\_NAME  
    RETVAL=$?  
    echo  
    [ $RETVAL -eq 0 ] && rm -f /var/lock/subsys/$ZABBIX\_NAME  
    return $RETVAL  
}  
  
# See how we were called.  
case "$1" in  
  start)  
 start  
 ;;  
  stop)  
 stop  
 ;;  
  restart|reload)  
 stop  
 usleep 1000000  
 start  
 RETVAL=$?  
 ;;  
  condrestart)  
 if [ -f /var/lock/subsys/$ZABBIX\_NAME ]; then  
     stop  
     usleep 1000000  
     start  
     RETVAL=$?  
 fi  
 ;;  
  status)  
 status $ZABBIX\_NAME  
 RETVAL=$?  
 ;;  
  \*)  
        echo $"Usage: $0 {start|stop|restart|condrestart|status}"  
 exit 1  
esac  
  
exit $RETVAL

**\*Tạo file init script: /etc/init.d/zabbix-agentd có nội dung:**

#!/bin/bash  
#  
# zabbix\_agentd This shell script takes care of starting  
#                       and stopping Zabbix Agent daemon  
#  
# chkconfig: 35 95 15  
# description: ZABBIX is an all-in-one 24x7 monitoring system  
#  
  
# Source function library.  
. /etc/rc.d/init.d/functions  
  
# Source networking configuration.  
. /etc/sysconfig/network  
  
# Check that networking is up.  
[ ${NETWORKING} = "no" ] && exit 0  
  
RETVAL=0  
  
# Setting up configuration  
ZABBIX\_NAME="zabbix\_agentd"  
ZABBIX\_CONF="/etc/zabbix/$ZABBIX\_NAME.conf"  
  
if [ ! -f $ZABBIX\_CONF ]  
then  
    echo "$ZABBIX\_NAME configuration file $ZABBIX\_CONF does not exist. "  
    exit 3  
fi  
  
# Source config file to load configuration  
. $ZABBIX\_CONF  
  
ZABBIX\_USER="zabbix"  
ZABBIX\_BIND="/usr/local/sbin"  
ZABBIX\_BINF="$ZABBIX\_BIND/$ZABBIX\_NAME"  
  
if [ ! -x $ZABBIX\_BINF ] ; then  
    echo "$ZABBIX\_BINF not installed! "  
    exit 4  
fi  
  
ZABBIX\_LOGD="`dirname $LogFile`"  
ZABBIX\_LOGF="$LogFile"  
if [ -z $ZABBIX\_LOGF ]  
then  
    echo "LogFile path is not specified in $ZABBIX\_CONF"  
    exit 5  
fi  
  
ZABBIX\_PIDF="$PidFile"  
if [ -z $ZABBIX\_PIDF ]  
then  
    echo "LogFile path is not specified in $ZABBIX\_CONF"  
    exit 5  
fi  
  
  
# Functions  
runcheck() {  
    [ ! -f $ZABBIX\_PIDF ] && return 0  
    PID=`cat $ZABBIX\_PIDF`  
    checkpid $PID  
    [ $? -ne 0 ] && rm -f $ZABBIX\_PIDF  
}  
  
pidofzab() {  
    pidofproc -p "$ZABBIX\_PIDF" $ZABBIX\_NAME  
}  
  
start() {  
    # Start daemons.  
    echo -n $"Starting $ZABBIX\_NAME: "  
    if [ -n "`pidofzab`" ]; then  
      echo -n "$ZABBIX\_NAME: already running"  
      failure  
      echo  
      return 1  
    fi  
    if [ ! -d $ZABBIX\_LOGD ]; then  
      mkdir -p $ZABBIX\_LOGD  
      chown $ZABBIX\_USER $ZABBIX\_LOGD  
    fi  
    runcheck  
    daemon --user $ZABBIX\_USER $ZABBIX\_BINF -c $ZABBIX\_CONF  
    RETVAL=$?  
    if [ -f $ZABBIX\_PIDF ]; then  
      chown $ZABBIX\_USER $ZABBIX\_PIDF  
    fi  
    echo  
    [ $RETVAL -eq 0 ] && touch /var/lock/subsys/$ZABBIX\_NAME  
    return $RETVAL  
}  
  
stop() {  
    # Stop daemons.  
    echo -n $"Shutting down $ZABBIX\_NAME: "  
    killproc $ZABBIX\_NAME  
    RETVAL=$?  
    echo  
    [ $RETVAL -eq 0 ] && rm -f /var/lock/subsys/$ZABBIX\_NAME  
    return $RETVAL  
}  
  
# See how we were called.  
case "$1" in  
  start)  
 start  
 ;;  
  stop)  
 stop  
 ;;  
  restart|reload)  
 stop  
 usleep 1000000  
 start  
 RETVAL=$?  
 ;;  
  condrestart)  
 if [ -f /var/lock/subsys/$ZABBIX\_NAME ]; then  
     stop  
     usleep 1000000  
     start  
     RETVAL=$?  
 fi  
 ;;  
  status)  
 status $ZABBIX\_NAME  
 RETVAL=$?  
 ;;  
  \*)  
        echo $"Usage: $0 {start|stop|restart|condrestart|status}"  
 exit 1  
esac  
  
exit $RETVAL

**\* Cấp quyền chạy**   
# chmod 755 zabbix-server

# chmod 755 zabbix-agentd

**\* Chạy server & agent:**

# service zabbix-server start  
# service zabbix-agentd start

**P5. Cài đặt Zabbix web Frontend**

***Chúng ta sẽ sử dụng LAMP stack để chạy web server. Bước trên đã cài MySQL rồi, dưới đây ta cài PHP 5.6 và apache***  
***Trên centos 6 để cài PHP 5.5 trở lên ta dùng remi repo***

**\* Install epel remi repo**

# wget https://dl.fedoraproject.org/pub/epel/epel-release-latest-6.noarch.rpm  
# wget https://rpms.remirepo.net/enterprise/remi-release-6.rpm  
# rpm -Uvh remi-release-6.rpm epel-release-latest-6.noarch.rpm  
# nano /etc/yum.repos.d/remi.repo

**=> Sửa Nội dung: /etc/yum.repos.d/remi.repo**

...  
[remi-php56]  
name=Remi's PHP 5.6 RPM repository for Enterprise Linux 6 - $basearch  
#baseurl=http://rpms.remirepo.net/enterprise/6/php56/$basearch/  
#mirrorlist=https://rpms.remirepo.net/enterprise/6/php56/httpsmirror  
mirrorlist=http://rpms.remirepo.net/enterprise/6/php56/mirror  
# NOTICE: common dependencies are in "remi-safe"  
enabled=1  
gpgcheck=1  
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-remi  
...

**\* Cài dặt PHP 5.6 bằng lệnh  yum**

# yum install php php-cli php-common php-devel php-pear php-fpm php-gd php-bcmath php-mbstring php-xml php-mysql php-xmlwriter php-ldap

**\* Cài đặt apache web server:**

# yum install httpd httpd-devel

**\* Copy frontend source code vào thư mục chứa website:**

# mkdir /var/www/html/zabbix  
# cp -a /usr/local/src/zabbix-3.4.2/frontends/php/\* /var/www/html/zabbix  
# chown -R apache:apache /var/www/html/zabbix/

**\* Cấu hình php phù hợp với yêu cầu của Zabbix:**

| **Pre-requisite** | **Minimum value** | **Description** |
| --- | --- | --- |
| *PHP version* | 5.4.0 |  |
| *PHP memory\_limit option* | 128MB | In php.ini: memory\_limit = 128M |
| *PHP post\_max\_size option* | 16MB | In php.ini: post\_max\_size = 16M |
| *PHP upload\_max\_filesize option* | 2MB | In php.ini: upload\_max\_filesize = 2M |
| *PHP max\_execution\_time option* | 300 seconds (values 0 and -1 are allowed) | In php.ini: max\_execution\_time = 300 |
| *PHP max\_input\_time option* | 300 seconds (values 0 and -1 are allowed) | In php.ini: max\_input\_time = 300 |
| *PHP session.auto\_start option* | must be disabled | In php.ini: session.auto\_start = 0 |
| *Database support* | One of: MySQL, Oracle, PostgreSQL, IBM DB2 | One of the following modules must be installed: mysql, oci8, pgsql, ibm\_db2 |
| *bcmath* |  | php-bcmath |
| *mbstring* |  | php-mbstring |
| *PHP mbstring.func\_overload option* | must be disabled | In php.ini: mbstring.func\_overload = 0 |
| *PHP always\_populate\_raw\_post\_data option* | must be disabled | Required only for PHP versions 5.6.0 or newer. In php.ini: always\_populate\_raw\_post\_data = -1 |
| *sockets* |  | php-net-socket. Required for user script support. |
| *gd* | 2.0 or higher | php-gd. PHP GD extension must support PNG images (*--with-png-dir*), JPEG (*--with-jpeg-dir*) images and FreeType 2 (*--with-freetype-dir*). |
| *libxml* | 2.6.15 | php-xml or php5-dom |
| *xmlwriter* |  | php-xmlwriter |
| *xmlreader* |  | php-xmlreader |
| *ctype* |  | php-ctype |
| *session* |  | php-session |
| *gettext* |  | php-gettext Since Zabbix 2.2.1, the PHP gettext extension is not a mandatory requirement for installing Zabbix. If gettext is not installed, the frontend will work as usual, however, the translations will not be available. |

**Có thể sửa trực tiêp trong file /etc/php.ini  
Hoặc dùng lệnh:**

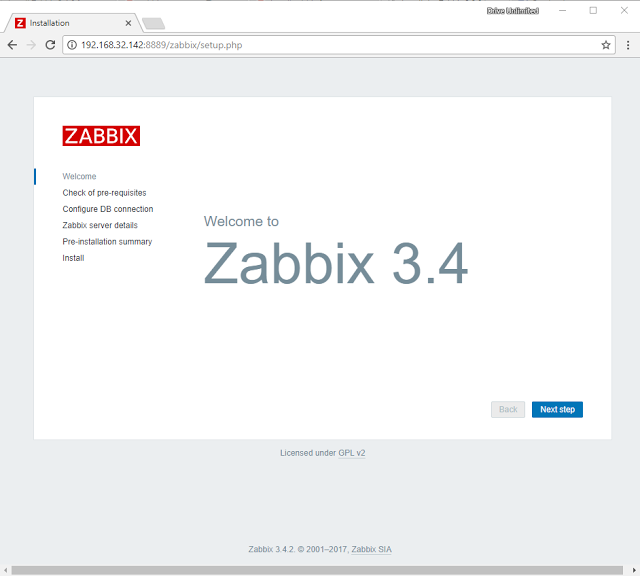
# sed -i 's/^max\_execution\_time.\*/max\_execution\_time=300/' /etc/php.ini  
# sed -i 's/^max\_input\_time.\*/max\_input\_time=300/' /etc/php.ini  
# sed -i 's/^post\_max\_size.\*/post\_max\_size=32M/' /etc/php.ini  
# sed -i 's/^upload\_max\_filesize.\*/upload\_max\_filesize=16M/' /etc/php.ini  
# sed -i "s/^\;date.timezone.\*/date.timezone=\'Asia\/Bangkok\'/" /etc/php.ini  
# sed -i "s/^\;always\_populate\_raw\_post\_data.\*/always\_populate\_raw\_post\_data=-1/" /etc/php.ini  
 ***Để bảo mật, đổi port chạy của webserver:***  
# sed -i "s/^\Listen.\*/Listen 8889/" /etc/httpd/conf/httpd.conf

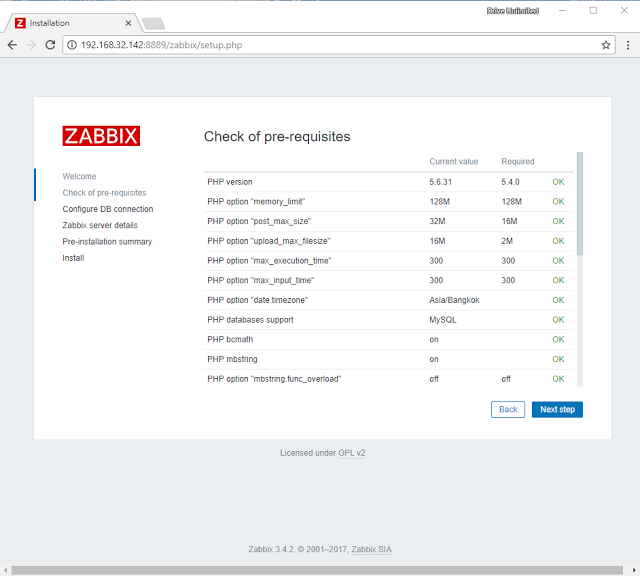
**\* Khởi động apache:**

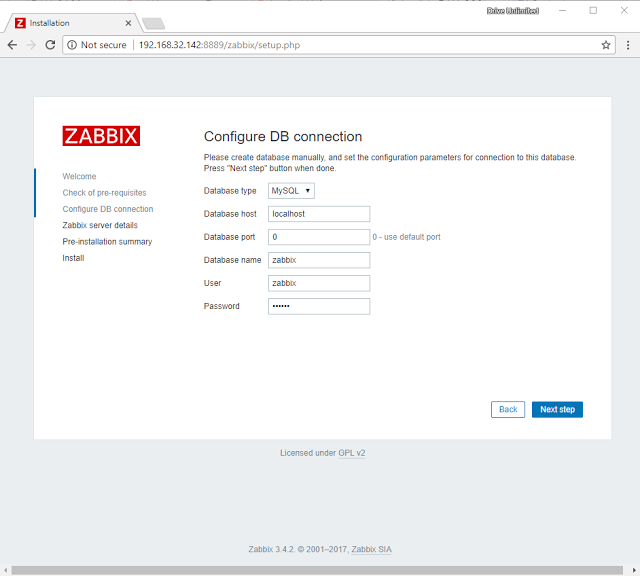
# service httpd start

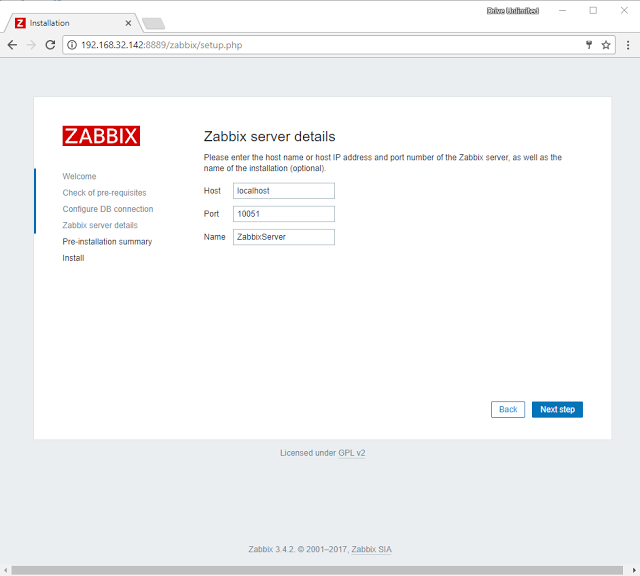
**Tiếp theo cài đặt các thông số trên front-end: Nhập các thông số theo server đã tạo**

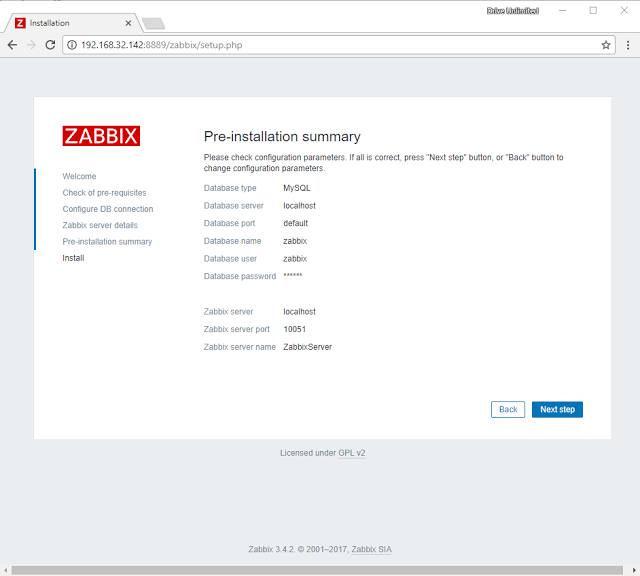
***DB: zabbix***  
***DB Port: 3306***  
***USER: zabbix***  
***Passwod: 123456***

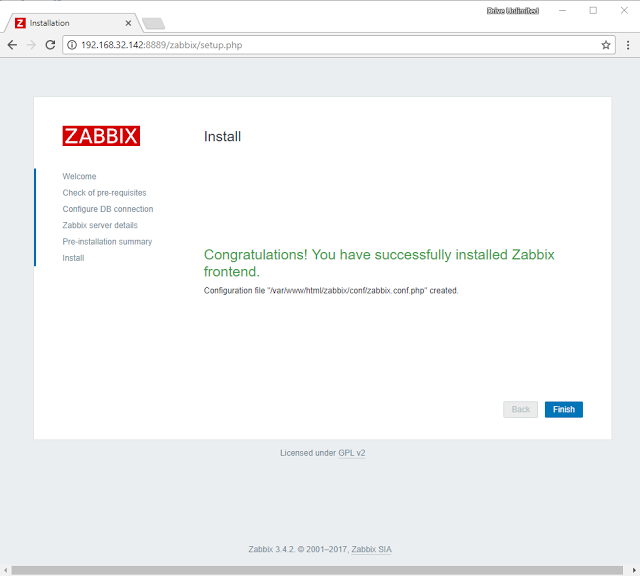
[](https://2.bp.blogspot.com/-bBcbxRoO4-k/Wc0mdlB7zLI/AAAAAAAAAiE/qkXPhMGl4eMAYzug_yUrOZ9aTGEOQCf0wCLcBGAs/s1600/zb1.png)

[](https://2.bp.blogspot.com/-CqF3vZUDdzE/Wc0mdjWE6kI/AAAAAAAAAiI/zP51Tpiu_ho---mpLGjW7dYWVijWBuvFQCLcBGAs/s1600/zb2.png)

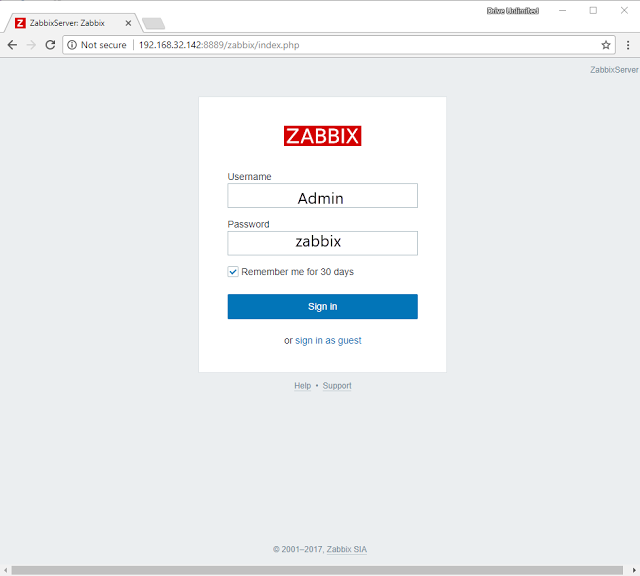
[](https://4.bp.blogspot.com/-bxpkQkBnM2M/Wc0mdgxgHpI/AAAAAAAAAiA/rYXNKBtCUdQM5dGC9mY4PS-TKRJYvsa8gCLcBGAs/s1600/zb3.png)

[](https://3.bp.blogspot.com/-88ipctxVFwY/Wc0meq8CUmI/AAAAAAAAAiM/hC_SQgA4__keQby5VRBhW0iterUAw37OgCLcBGAs/s1600/zb4.png)

[](https://4.bp.blogspot.com/-70i3huj8OOA/Wc0mfOc8iNI/AAAAAAAAAiQ/JK9lL2t_I14F9U2PXABa85w5Mp87DFiHgCLcBGAs/s1600/zb5.png)

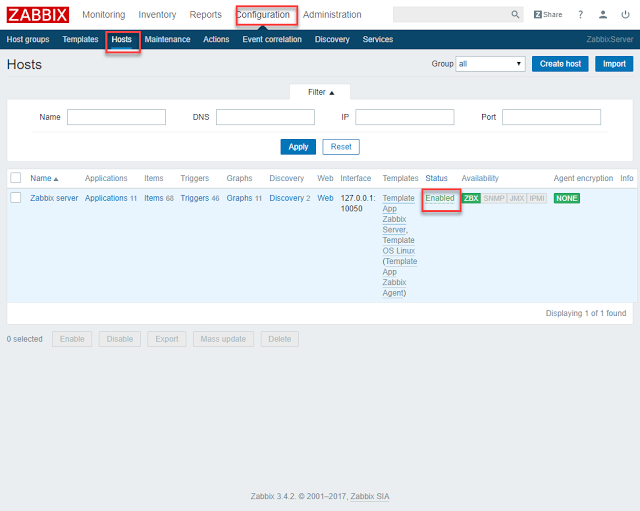
[](https://3.bp.blogspot.com/-AY4_fY7Igxk/Wc0mfDDIpGI/AAAAAAAAAiU/p4AxahGyZbk4hV0m3_5nrSGsLQab-121ACLcBGAs/s1600/zb6.png)

**Đăng nhập vào zabbix Dashboard**

[](https://2.bp.blogspot.com/-jOJdwEljZjc/Wc0nPFOy0uI/AAAAAAAAAic/59sL9Rn1chQAOzPfrrs9a9Q4jm8dLjxZwCLcBGAs/s1600/zb7.png)

***username: Admin***  
***Password: zabbix***

**Vào phần Configuration/Host và enable host:**

[](https://4.bp.blogspot.com/-doxapFcxIUQ/Wc0nTWn4TII/AAAAAAAAAig/ZZoxDU_bbQUc4M13mXwD_Qjd41qIMs7RACLcBGAs/s1600/zb8.png)

**vậy là xong!**

**Bổ xung: Cho những ai thích màu mè.**

**POINT TO SUCCESS: Cài đặt grafana kết hợp với zabbix.**

**Mọi thông tin & cài đặt cho các phiên bản linux đều có tại trang chủ:**

<http://docs.grafana.org/installation/>  
Ta sẽ cài luôn trên centos vừa cài zabbix:

**\* Cài grafana-server trực tiếp từ RPM:**

**\* Tải grafana-server RPM package:**

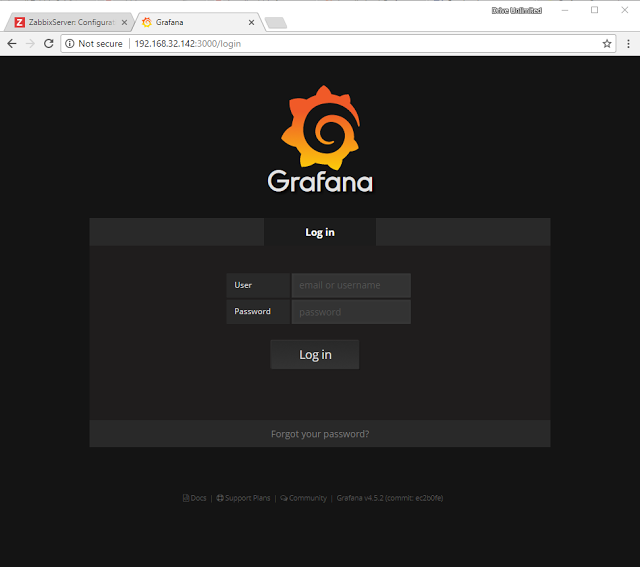
# wget https://s3-us-west-2.amazonaws.com/grafana-releases/release/grafana-4.5.2-1.x86\_64.rpm  
# yum install initscripts fontconfig urw-fonts  
# rpm -Uvh grafana-4.5.2-1.x86\_64.rpm  
# service grafana-server start

**\* Cài plugin cho zabbix:**

# grafana-cli plugins install alexanderzobnin-zabbix-app  
# service grafana-server restart

**Xong, tiếp theo cấu hình trên giao diện web của grafana:**

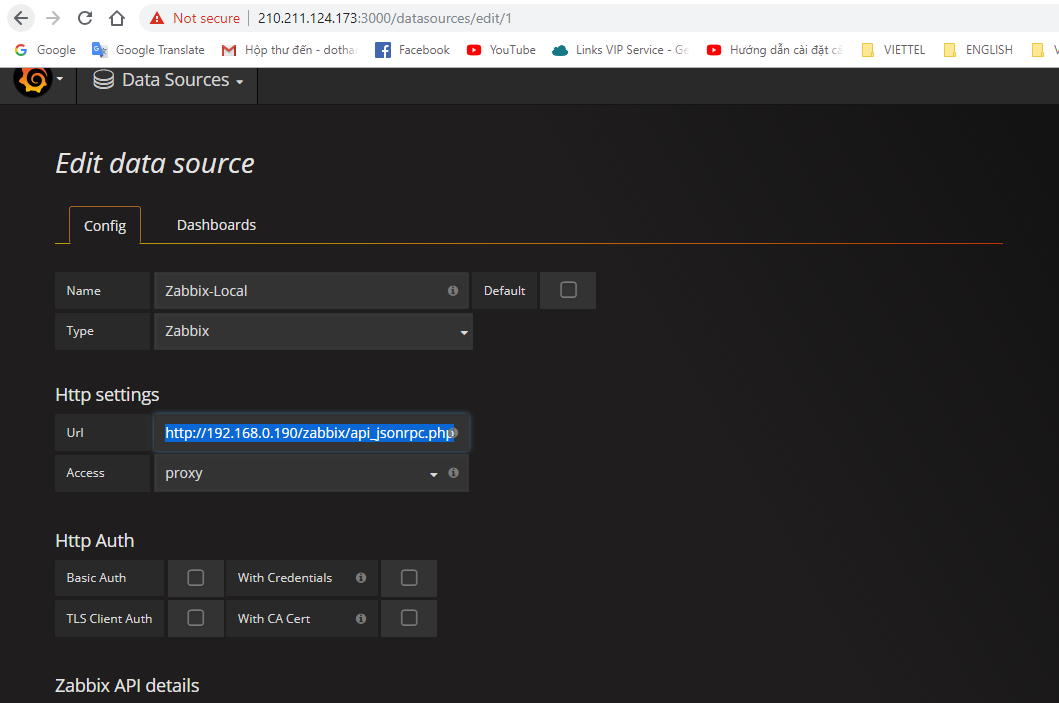
***Truy cập http://IP\_SERVER\_ZABBIX:3000/username: admin Password: admin***

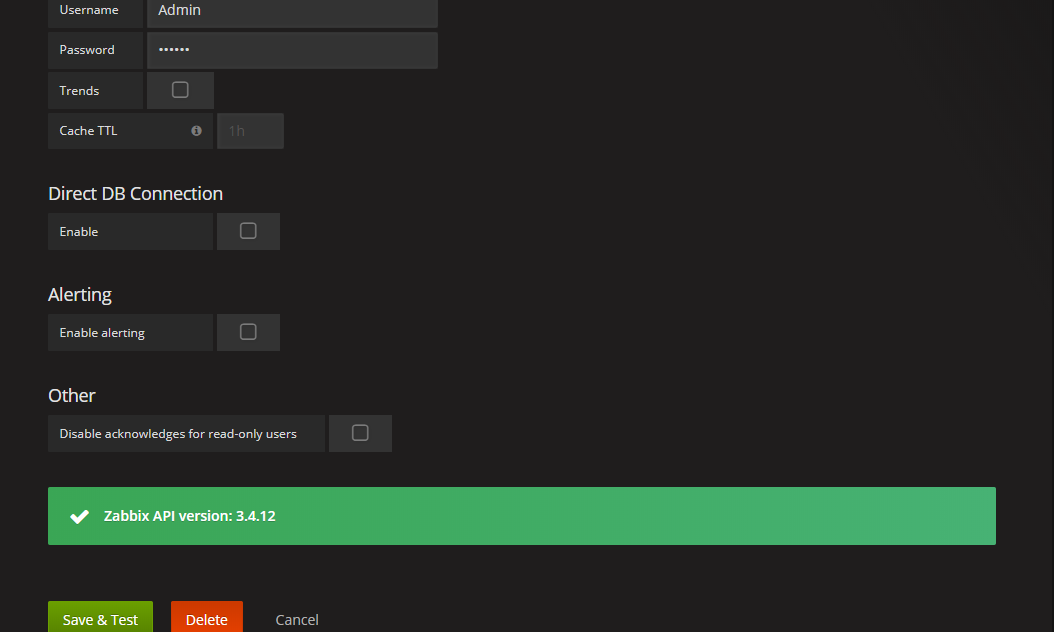
[](https://3.bp.blogspot.com/-5IUIdnbM89Q/Wc0oCNiWsYI/AAAAAAAAAio/uyxUj8iuXrIX-HHSZatOZnzHHD32Xw8cQCLcBGAs/s1600/gf1.png)

Đăng nhập thành công, vào DASHBOARD => DATASOURCE =>> Add Data Source

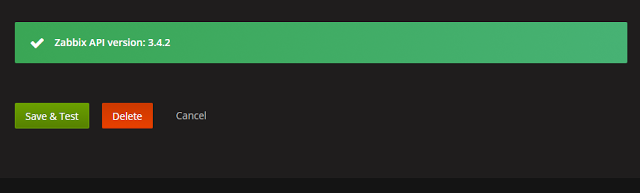
**Nhập tên: ZabbixType: Chọn ZabbixUrl http://IP\_SERVER:PORT/zabbix/api\_jsonrpc.phpSample: http://192.168.0.190:8889/zabbix/api\_jsonrpc.phpPhần Zabbix API nhập tên đăng nhập zabbix.**

**Mọi thứ khác để mặc định**



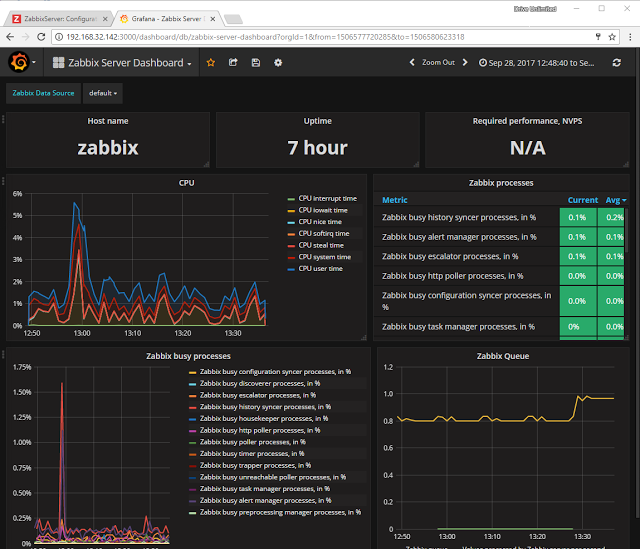


**Click Add, nếu thành công sẽ báo:**

[](https://3.bp.blogspot.com/-tnq3Uo28yCo/Wc0oWGiMCoI/AAAAAAAAAiw/y3Wf_4OCP0Yjf41m4_ECEU4o_cfuDEBkQCLcBGAs/s1600/gf3.png)

**Bấm save & test**

**Quay về Dashboard và tận hưởng thành quả:**

[](https://2.bp.blogspot.com/-MYfAzZHJgko/Wc0oaB57E5I/AAAAAAAAAi0/28f0nPQc9-sI9J48i3iZcTwD0eQKBOluwCLcBGAs/s1600/gf4.png)

**Phần II:Hướng dẫn cài đặt Zabbix Agent lên server cần giám sát**

**B1: Install zabbix-agentd**

**Cách 1: Install qua repository  
B1:Add required Repository**

**CentOS/RHEL 7:**

rpm -Uvh <http://repo.zabbix.com/zabbix/3.4/rhel/7/x86_64/zabbix-release-3.4-2.el7.noarch.rpm>

**CentOS/RHEL 6:**

# rpm -Uvh <http://repo.zabbix.com/zabbix/3.4/rhel/6/x86_64/zabbix-release-3.4-1.el6.noarch.rpm>

**B2 : Install Zabbix-Agent**

# yum install zabbix zabbix-agent

**Cách 2: Download file zabbix-agent rpm to install**

# wget <https://repo.zabbix.com/zabbix/3.0/rhel/6/x86_64/zabbix-agent-3.0.9-1.el6.x86_64.rpm>

# rpm -ivh zabbix-agent-3.0.9-1.el6.x86\_64.rpm

**B2: Configure zabbix-agentd**

**Thêm các tham số sau vào file/etc/zabbix/zabbix\_agentd.conf**

**# vi /etc/zabbix/zabbix\_agentd.conf**

# This is a configuration file for Zabbix agent daemon (Unix)  
# To get more information about Zabbix, visit http://www.zabbix.com  
LogFile=/var/log/zabbix/zabbix\_agentd.log  
LogFileSize=200  
PidFile=/var/run/zabbix/zabbix\_agent.pid  
Server=192.168.0.190 # địa chỉ ip LAN zabbix server  
StartAgents=5  
ServerActive=192.168.0.190 # địa chỉ ip LAN zabbix server  
Hostname=mynhanapp01 # ten server cài đặt zabbix-agentd  
BufferSend=15  
BufferSize=300  
MaxLinesPerSecond=40  
############ ADVANCED PARAMETERS #################  
Timeout=5  
User=zabbix  
Include=/etc/zabbix/zabbix\_agentd.conf.d/\*.conf

**B3: Open port firewall for monitored server**

# vi /etc/sysconfig/iptables

##### Monitor Zabbix #########

-A INPUT -m state --state NEW,ESTABLISHED -s 192.168.0.0/24 -m multiport -m tcp -p tcp --dports 10050,10051 -j ACCEPT

-A OUTPUT -m state --state NEW,ESTABLISHED -d 192.168.0.0/24 -m multiport -m tcp -p tcp --dports 10050,10051 -j ACCEPT



# service iptables restart

**B4: Start zabbix agentd**

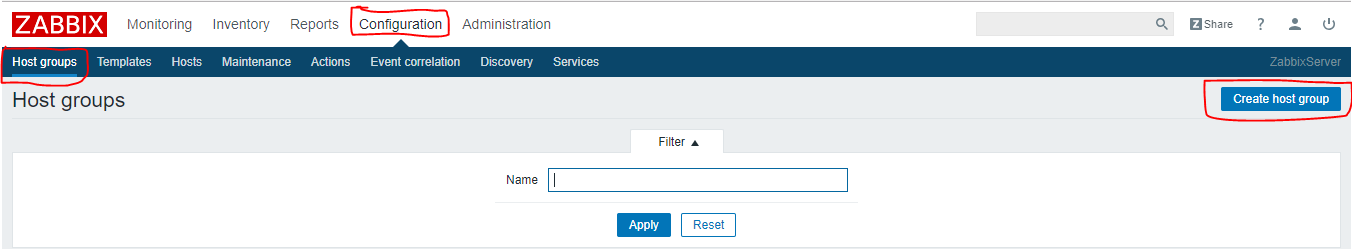
# service zabbix-agent start

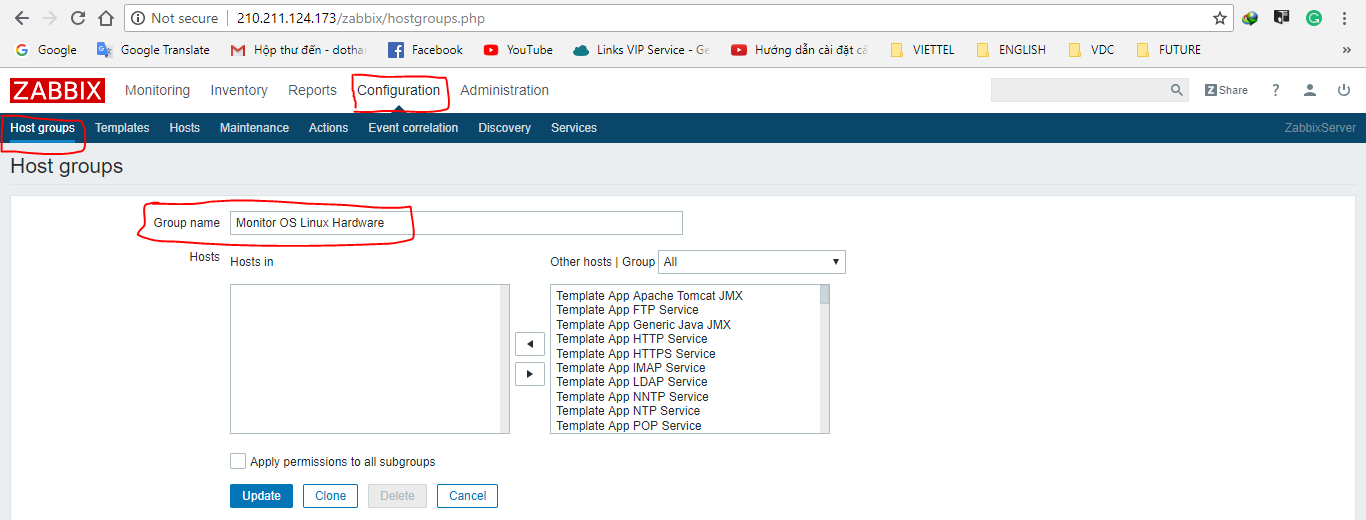
# service zabbix-agent restart

# service zabbix-agent stop

**Phần III: Add host lên zabbix server**

* Tạo group cho các server cần được add lên
  + Congiguration -> Host Groups -> Create Host Group
  + Ví dụ :
    - Tạo group tên : **“Monitor OS Linux Hardware”**





* Tạo Template cho group **“Monitor OS Linux Hardware”**
  + Configuration -> Templates -> Create template
  + Ví dụ :

Tên Template tên : **“Template Hardware OS Linux”**

