LINK THAM KHAO : https://techvntoday.blogspot.com/search/label/centos6

*Thứ Sáu, 29 tháng 9, 2017*

**[Cài đặt zabbix trên centos 6 qua docker](https://techvntoday.blogspot.com/2017/09/cai-dat-zabbix-tren-centos6-qua-docker.html)**

**POINT TO SUCCESS!  
INSTALL ZABBIX MONITORING SYSTEM via DOCKER on CENTOS 6**

Trong bài trước, chúng ta đã thực hiện việc [cài đặt zabbix trên centos 6 từ mã nguồn](https://techvntoday.blogspot.com/2017/09/cai-dat-zabbix-tren-centos-6-tu-ma-nguon.html" \t "_blank). Đó không phải là cách duy nhất để [cài đặt zabbix](https://techvntoday.blogspot.com/search/label/zabbix" \t "). Trong bài này ta sẽ tìm hiểu một cách cài đặt zabbix siêu nhanh sử dụng docker.  
  
Có lẽ docker vẫn còn khá xa lạ với nhiều người. Ta sẽ giới thiệu qua docker:  
  
Trích từ Google:

**Docker là** một open platform cung cấp cho người sử dụng những công cụ và service để người sử dụng có thể đóng gói và chạy chương trình của mình trên các môi trường khác nhau một cách nhanh nhất. **Docker**bao gồm: **Docker** Engine: Chứa các tool, engine để có thể đóng gói chương trình và vận hành chúng một cách đơn giản nhất.

Để tìm hiểu thêm về docker, tôi gợi ý một bài viết khá hay theo đường link: <https://kipalog.com/posts/Toi-da-dung-Docker-nhu-the-nao>  
  
Chúng ta bắt đầu thực hiện việc cài đặt nào!

VM: CENTOS 6.9fRam: 2GBIP: 192.168.32.141

**P1. Install docker**

Hiện docker không còn hỗ trợ cho centos 6 nữa, bản cuối cùng là 1.70. Hơi cũ nhưng cũng đủ dùng để test :). Nếu cài đặt để dùng cho sản xuất, bạn nên cài trên bản linux đang được hỗ trợ.

[root@localhost ~]# yum install docker-io

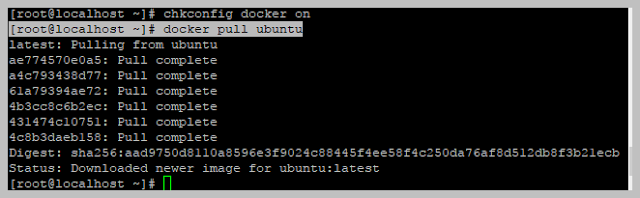
[root@localhost ~]# service docker start

[root@localhost ~]# chkconfig docker on

**P2. Tải các container cần thiết:**

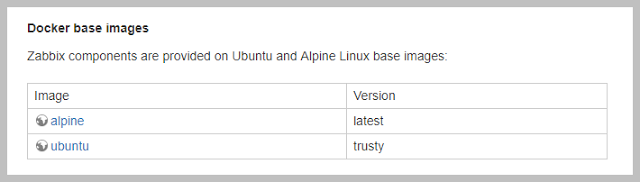
Các thành phần của zabbix được phân phói trong Ubuntu và Alpine linux container, nên ta sẽ load container này về trước:

[root@localhost ~]# docker pull ubuntu

[](https://2.bp.blogspot.com/-IYdMUzBfuKA/Wc5skIfvfzI/AAAAAAAAAjU/lYO-sohiCJkbSTMysI_1dwxoLnueIxfZQCLcBGAs/s1600/dk2.png)

Các container zabbix được phân phối trên https://github.com/zabbix/zabbix-docker

Truy cập để có thêm thông tin.

[](https://4.bp.blogspot.com/-4wynokBy4aw/Wc5sZ1QsMSI/AAAAAAAAAjQ/ddVvxUpvfC4LVWJp_kcLEqWBAC-wt97OwCLcBGAs/s1600/dk1.png)

ta sẽ cài zabbix chạy trên nginx web server, sử dụng Database MySQL.

Các port chạy  mặc định.

**\* Load mysql container:**

|  |
| --- |
| docker run --name mysql-server  -t \   -e MYSQL\_DATABASE="zabbix" \   -e MYSQL\_USER="zabbix" \   -e MYSQL\_PASSWORD="123456" \   -e MYSQL\_ROOT\_PASSWORD="123456" \   -d mysql:5.7 --character-set-server=utf8 --collation-server=utf8\_bin |

**\* Java Gateway:**

|  |
| --- |
| docker run --name zabbix-java-gateway -t \        -d zabbix/zabbix-java-gateway:latest |

**\* Load zabbix-mysql:**

|  |
| --- |
| docker run --name zabbix-server-mysql -t \        -e DB\_SERVER\_HOST="mysql-server" \        -e MYSQL\_DATABASE="zabbix" \        -e MYSQL\_USER="zabbix" \        -e MYSQL\_PASSWORD="123456" \        -e MYSQL\_ROOT\_PASSWORD="123456" \        -e ZBX\_JAVAGATEWAY="zabbix-java-gateway" \        --link mysql-server:mysql \        --link zabbix-java-gateway:zabbix-java-gateway \        -p 10051:10051 \        -d zabbix/zabbix-server-mysql:latest |

**\* Load front-end:**

|  |
| --- |
| docker run --name zabbix-web-nginx-mysql -t \        -e DB\_SERVER\_HOST="mysql-server" \        -e MYSQL\_DATABASE="zabbix" \        -e MYSQL\_USER="zabbix" \        -e MYSQL\_PASSWORD="123456" \        -e MYSQL\_ROOT\_PASSWORD="123456" \        --link mysql-server:mysql \        --link zabbix-server-mysql:zabbix-server \        -p 80:80 \        -d zabbix/zabbix-web-nginx-mysql:latest |

Truy cập IP của server:

*http://192.168.32.141/*

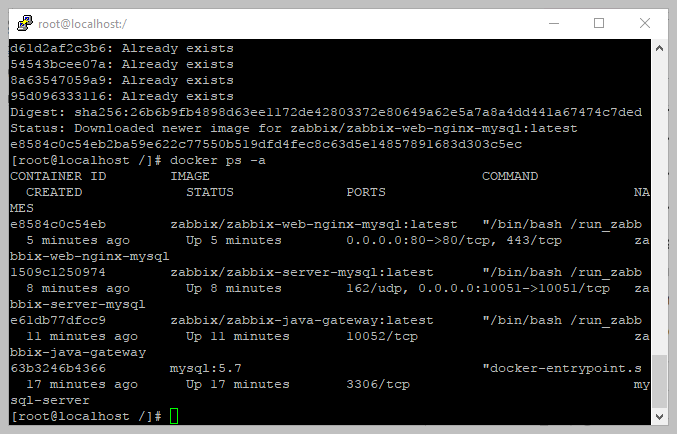
Hiện lên màn hình đăng nhập zabbix

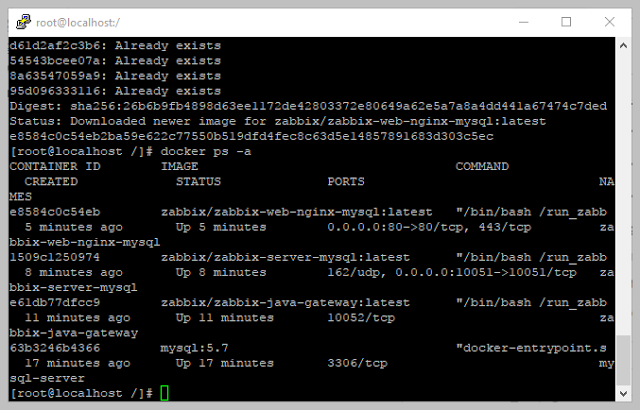
Đăng nhập bằng tài khoản mặt đinh: Admin / zabbix

Vậy là xong!!!

Kiểm tra xem các container đang chạy:

|  |
| --- |
| # docker ps -a |

[](https://1.bp.blogspot.com/-gQEPFF5fmJo/Wc5syILHwzI/AAAAAAAAAjY/EOatk27TMksnPeDpEMUw_HsoCthk7SZ4gCLcBGAs/s1600/dk3.png)

[](https://3.bp.blogspot.com/-gQEPFF5fmJo/Wc5syILHwzI/AAAAAAAAAjY/WCZUiO6A5qgsXXTaBPgJx7b8cIuWBiBNACEwYBhgL/s1600/dk3.png)

Note: Khi restart Iptables, cần restart lại docker và các container.

vào lúc [tháng 9 29, 2017](https://techvntoday.blogspot.com/2017/09/cai-dat-zabbix-tren-centos6-qua-docker.html" \o "permanent link) [Không có nhận xét nào:](https://techvntoday.blogspot.com/2017/09/cai-dat-zabbix-tren-centos6-qua-docker.html" \l "comment-form)

[Gửi email bài đăng này](https://www.blogger.com/share-post.g?blogID=8239670381002226683&postID=2190621779995985718&target=email)[BlogThis!](https://www.blogger.com/share-post.g?blogID=8239670381002226683&postID=2190621779995985718&target=blog)[Chia sẻ lên Twitter](https://www.blogger.com/share-post.g?blogID=8239670381002226683&postID=2190621779995985718&target=twitter)[Chia sẻ lên Facebook](https://www.blogger.com/share-post.g?blogID=8239670381002226683&postID=2190621779995985718&target=facebook)[Chia sẻ lên Pinterest](https://www.blogger.com/share-post.g?blogID=8239670381002226683&postID=2190621779995985718&target=pinterest)

Nhãn: [centos6](https://techvntoday.blogspot.com/search/label/centos6), [docker](https://techvntoday.blogspot.com/search/label/docker), [mysql 5.6](https://techvntoday.blogspot.com/search/label/mysql%205.6), [nginx](https://techvntoday.blogspot.com/search/label/nginx), [PHP 5.6](https://techvntoday.blogspot.com/search/label/PHP%205.6), [zabbix](https://techvntoday.blogspot.com/search/label/zabbix)

*Thứ Năm, 28 tháng 9, 2017*

**[Cài đặt zabbix 3.4 trên centos 6 từ mã nguồn](https://techvntoday.blogspot.com/2017/09/cai-dat-zabbix-tren-centos-6-tu-ma-nguon.html)**

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

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

---------------------------------------------------------  
System:  
VM: CENTOS 6.9 F, IP: 192.168.32.142  
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="/usr/local/etc/$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

**\* Chạy server & agent:**

# server 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 |
| *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. |

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

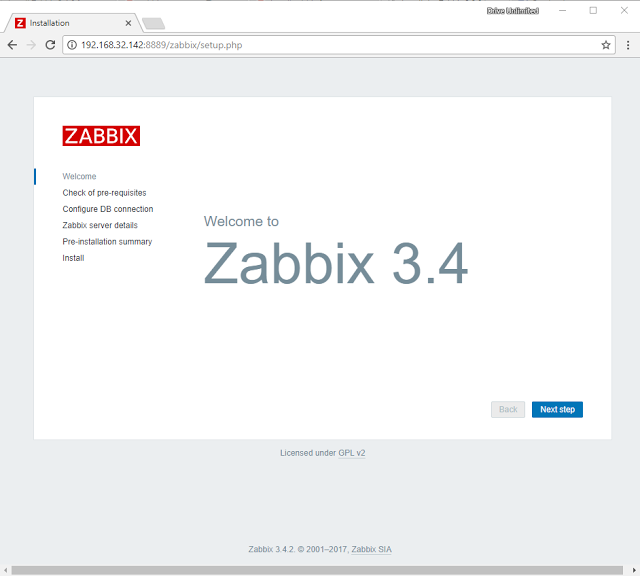
# sed -i 's/^max\_execution\_time.\*/max\_execution\_time=300/' /etc/php.ini  
# sed -i 's/^max\_input\_time.\*/max\_input\_time=300/' /etc/php.ini  
# sed -i 's/^post\_max\_size.\*/post\_max\_size=32M/' /etc/php.ini  
# sed -i 's/^upload\_max\_filesize.\*/upload\_max\_filesize=16M/' /etc/php.ini  
# 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

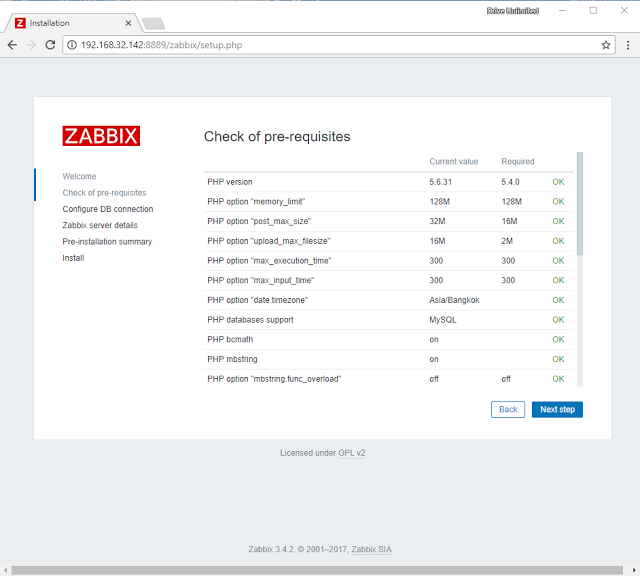
**\* Khởi động apache:**

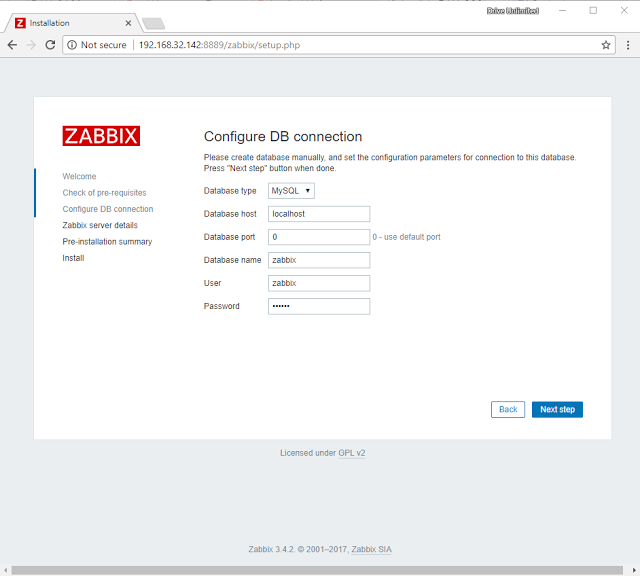
# service httpd start

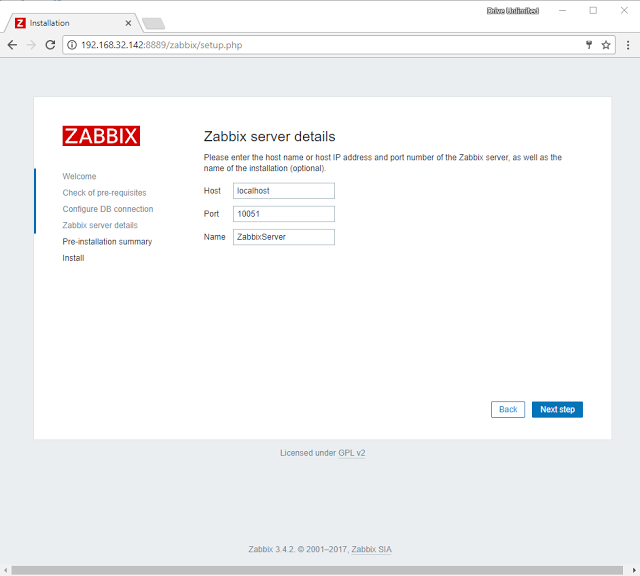
**Tiếp theo cài đặt các thông số trên front-end: Nhập các thông số theo server đã tạo**

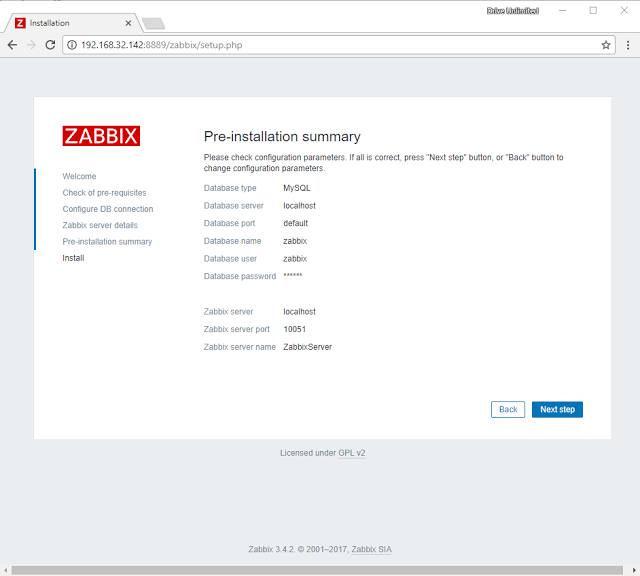
***DB: zabbix***  
***DB Port: 3306***  
***USER: zabbix***  
***Passwod: 123456***

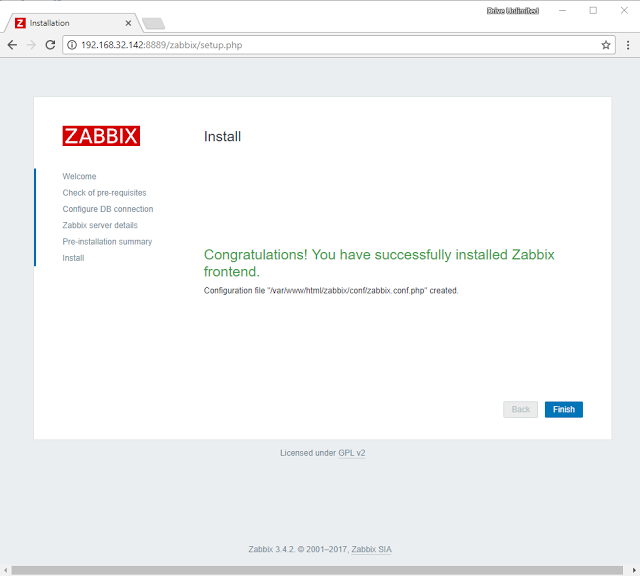
[](https://2.bp.blogspot.com/-bBcbxRoO4-k/Wc0mdlB7zLI/AAAAAAAAAiE/qkXPhMGl4eMAYzug_yUrOZ9aTGEOQCf0wCLcBGAs/s1600/zb1.png)

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

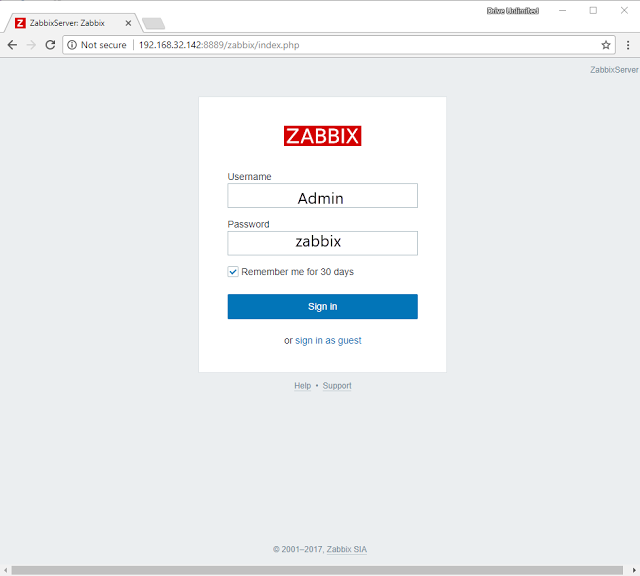
[](https://4.bp.blogspot.com/-bxpkQkBnM2M/Wc0mdgxgHpI/AAAAAAAAAiA/rYXNKBtCUdQM5dGC9mY4PS-TKRJYvsa8gCLcBGAs/s1600/zb3.png)

[](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)

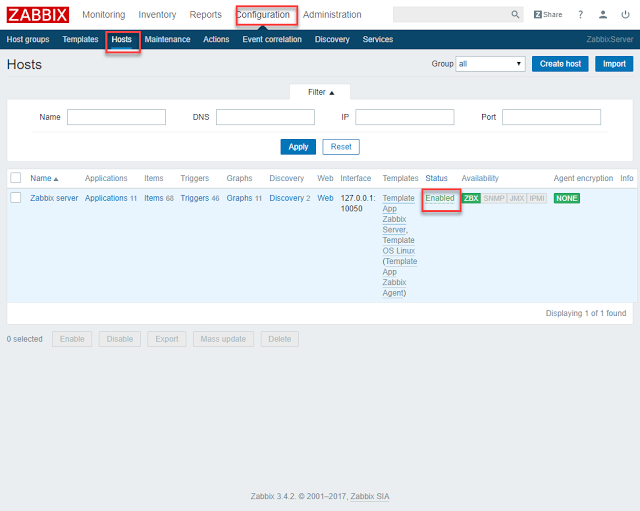
[](https://3.bp.blogspot.com/-AY4_fY7Igxk/Wc0mfDDIpGI/AAAAAAAAAiU/p4AxahGyZbk4hV0m3_5nrSGsLQab-121ACLcBGAs/s1600/zb6.png)

**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!**