# **Zabbix安装文档**

一、安装前准备

1.1 节点准备

1) 一台可以链接外网的虚拟机(版本centos6.7)；

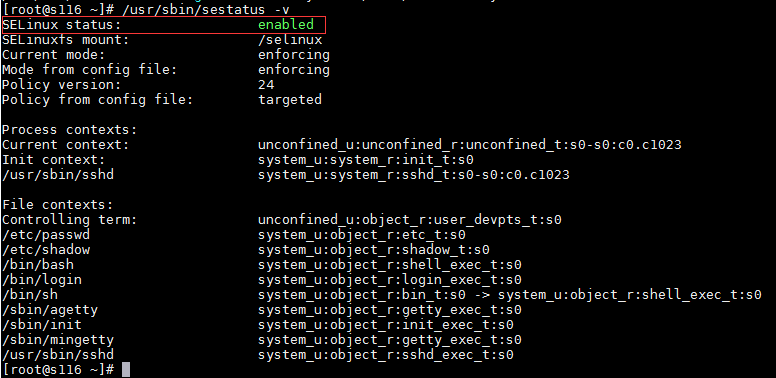
2) zabbix-3.4.6.tar.gz(共享目录：\集群搭建\平台安装包\component\bigdata)；

1.2 安装环境准备

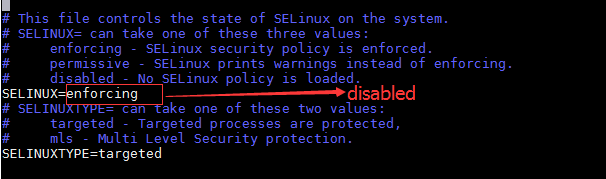
1) 关闭防火墙；

2) 关闭selinux：

执行/usr/sbin/sestatus -v  查看selinux状态



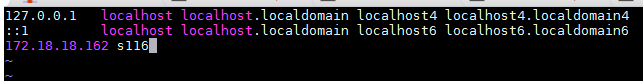
修改/etc/selinux/config 文件



重启机器



1. 设置hosts文件

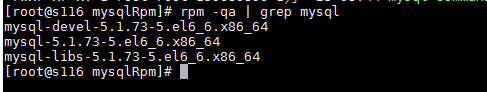


二、安装mysql

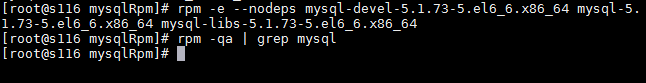
1) 删除本机mysql

首先检查本机上是否安装有mysql 如果有，则删除本机的mysql

执行rpm -qa | grep mysql查看本机是否安装mysql；



执行rpm -e --nodeps \*\*\* 删除本机的rpm包；



2) 删除mysql对应目录

查看对应MySQL目录,如果存在则删除对应目录

find / -name mysql

rm -rf \*\*\* 删除对应目录

3) 删除对应my.cnf、mysqld.log文件

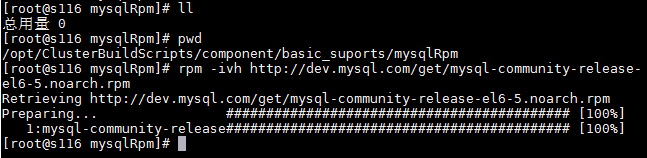
rm -rf /etc/my.cnf

rm -rf /var/log/mysqld.log

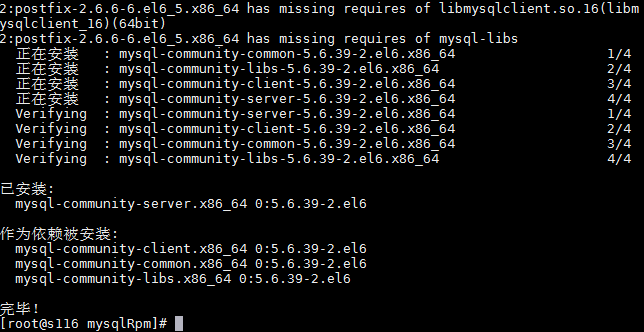
4) 开始安装mysql

cd /opt/ClusterBuildScripts/component/basic\_suports/mysqlRpm

rpm -ivh <http://dev.mysql.com/get/mysql-community-release-el6-5.noarch.rpm>



yum -y install mysql-server



5) 修改MySQL的配置文件

vim /etc/my.cnf

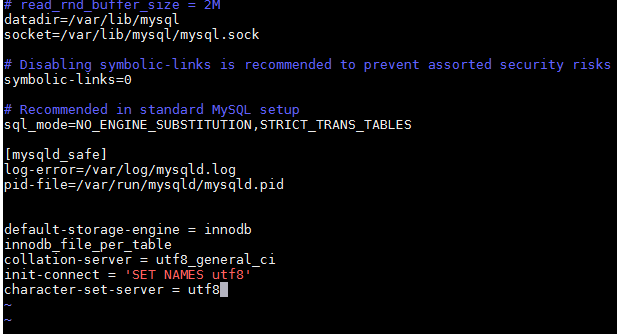
default-storage-engine = innodb

innodb\_file\_per\_table

collation-server = utf8\_general\_ci

init-connect = 'SET NAMES utf8'

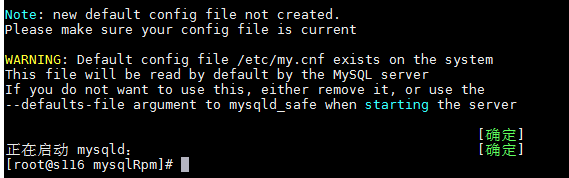
character-set-server = utf8



6) 设置MySQL自动启动并启动MySQL

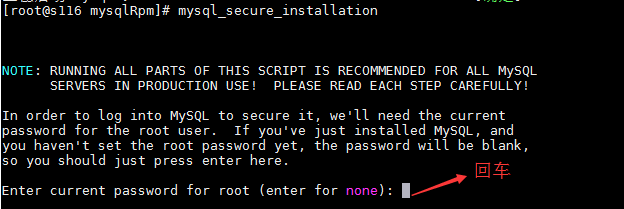
chkconfig mysqld on

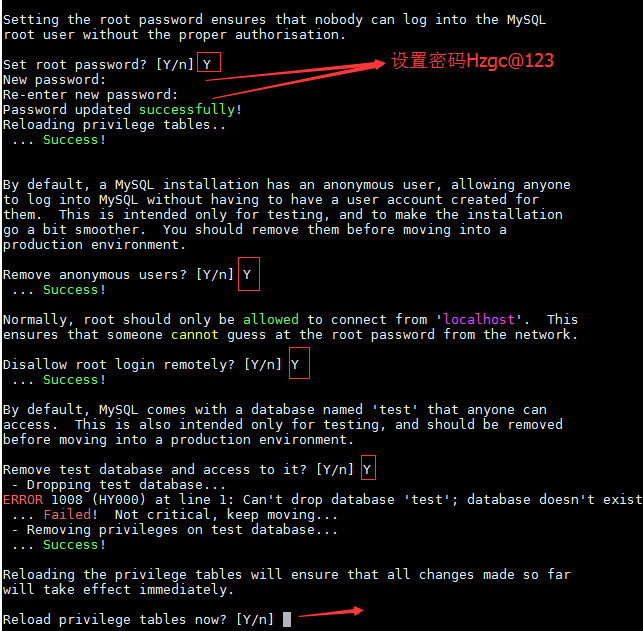
service mysqld start

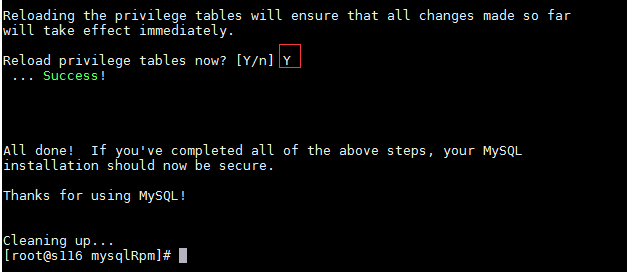


1.4、设置MySQL安全选项

mysql\_secure\_installation

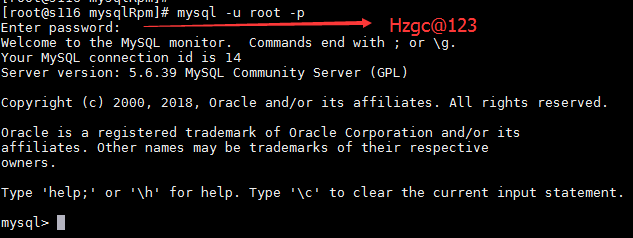






1.5、创建Zabbix数据库

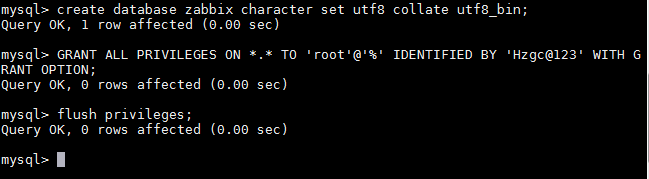
mysql -u root -p



执行create database zabbix character set utf8 collate utf8\_bin;

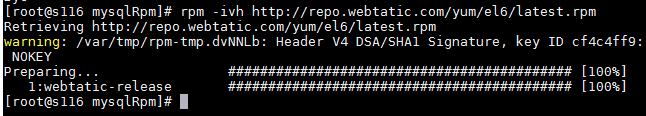
GRANT ALL PRIVILEGES ON \*.\* TO 'root'@'%' IDENTIFIED BY 'Hzgc@123' WITH GRANT OPTION;

flush privileges;



1. 安装PHP
2. 安装php

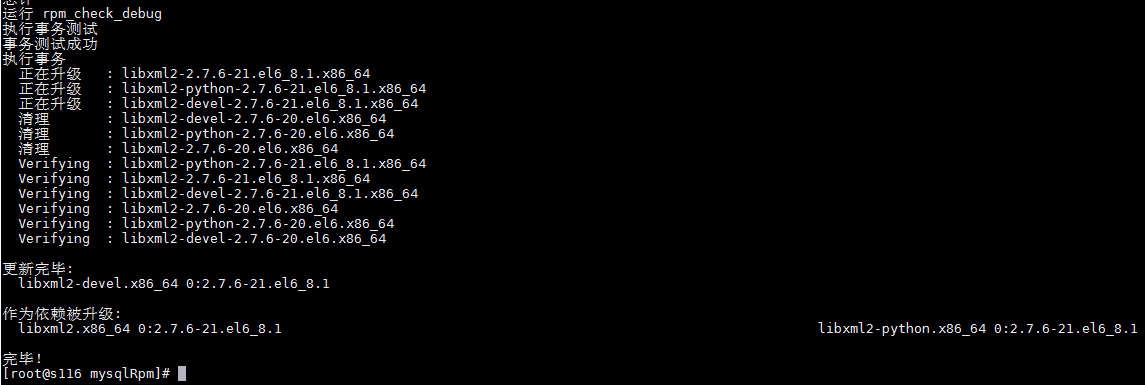
rpm -ivh <http://repo.webtatic.com/yum/el6/latest.rpm>



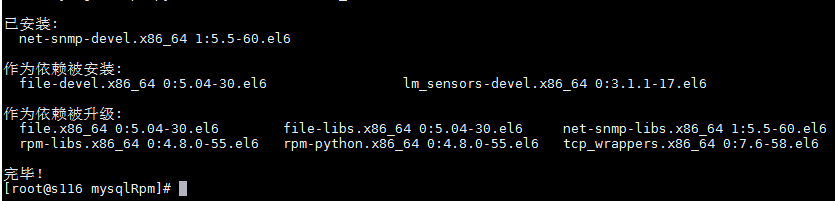
yum install -y httpd



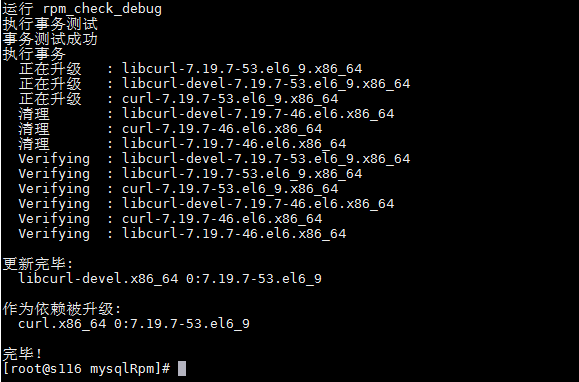
yum install -y libxml2-devel



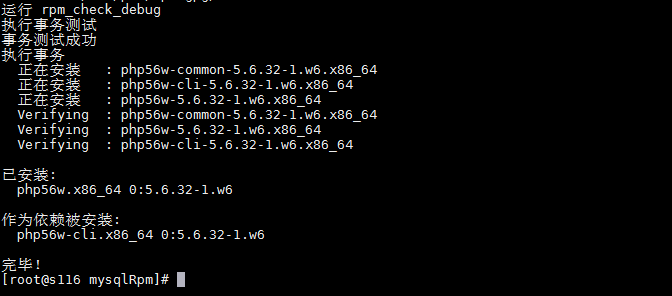
yum install -y net-snmp-devel



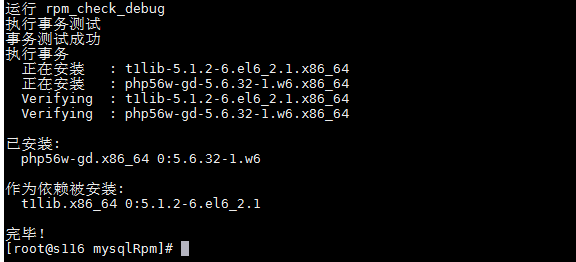
yum install -y libcurl-devel



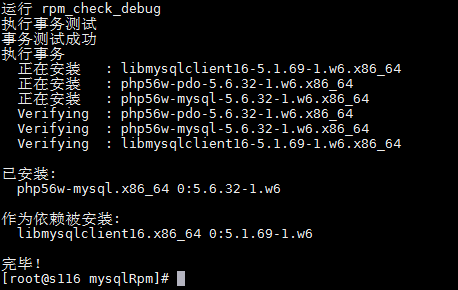
yum install -y php56w



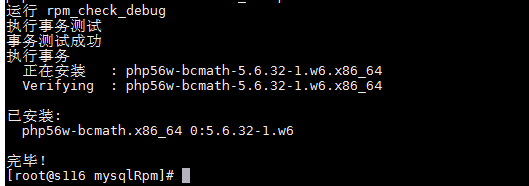
yum install -y php56w-gd



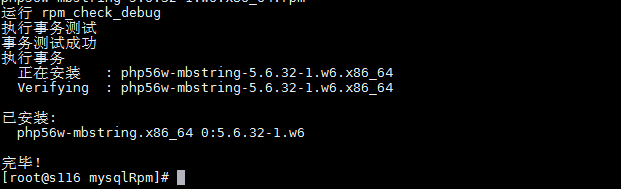
yum install -y php56w-mysql



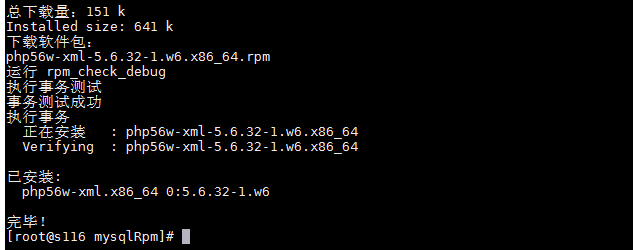
yum install -y php56w-bcmath



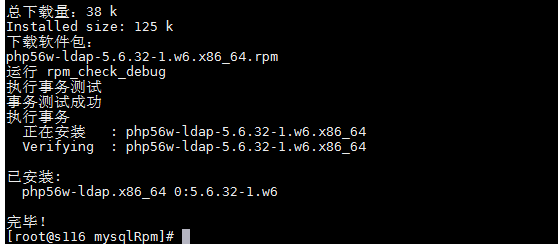
yum install -y php56w-mbstring



yum install -y php56w-xml



yum install -y php56w-ldap



1. 修改配置文件中部分参数

vim /etc/php.ini

post\_max\_size= 16M

max\_execution\_time= 300

max\_input\_time= 300

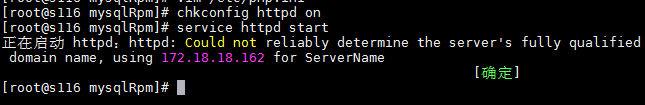
date.timezone= Asia/Shanghai

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

1. 设置HTTP自动启动并启动HTTP

chkconfig httpd on

service httpd start



1. 安装Zabbix Server

groupadd  -g 201  zabbix

useradd  -g zabbix  -u 201 -m zabbix

1. 解压软件包

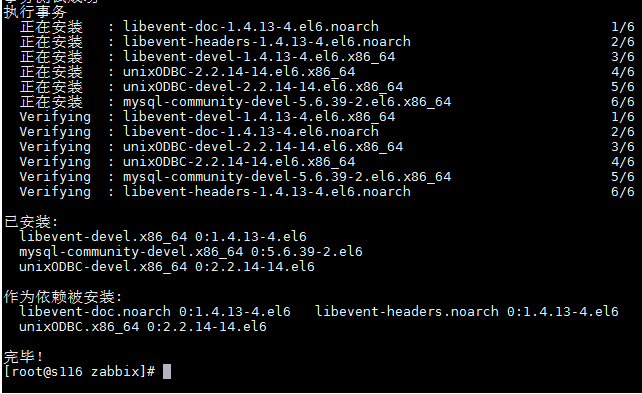
cd /opt/hzgc/bigdata/Zabbix/

tar -zxvf zabbix-3.4.6.tar.gz

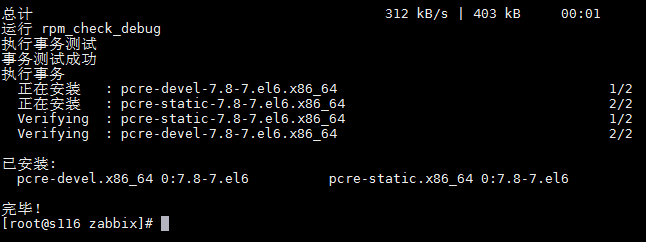
mv zabbix-3.4.6 zabbix

cd zabbix 执行

yum install unixODBC-devel mysql-devel net-snmp-devel libxml2-devel libcurl-devel libevent-devel



yum -y install pcre\*



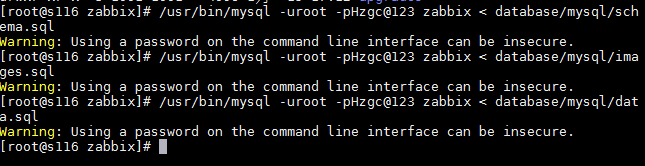
2) 创建数据库

cd /opt/hzgc/bigdata/Zabbix/zabbix

/usr/bin/mysql -uroot -pHzgc@123 zabbix < database/mysql/schema.sql

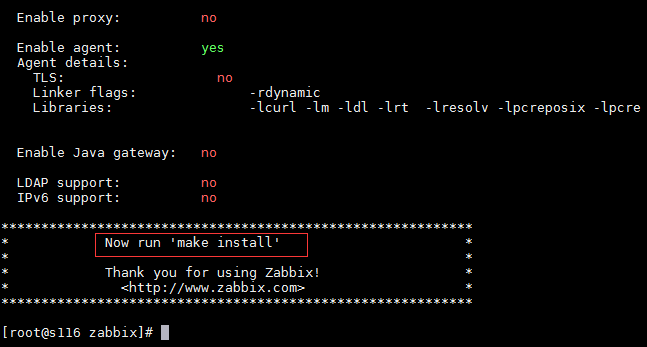
/usr/bin/mysql -uroot -pHzgc@123 zabbix < database/mysql/images.sql

/usr/bin/mysql -uroot -pHzgc@123 zabbix < database/mysql/data.sql

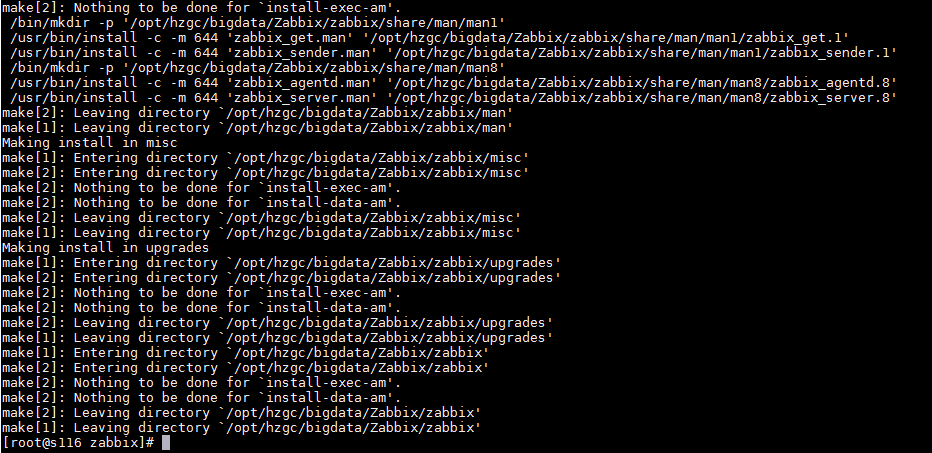


在/opt/hzgc/bigdata/Zabbix/zabbix目录下执行：

./configure --prefix=/opt/hzgc/bigdata/Zabbix/zabbix --sysconfdir=/etc/zabbix/ --enable-server --enable-agent --with-net-snmp --with-libcurl --with-mysql =/usr/bin/mysql\_config\_editor --with-libxml2



执行：make &&make install



3) 修改配置文件

修改vim /etc/zabbix/zabbix\_server.conf文件中部分参数

DBHost=172.18.18.162 数据库 ip地址

DBName=zabbix

DBUser=root

DBPassword=Hzgc@123

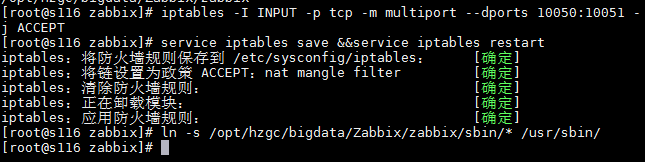
ListenIP=127.0.0.1,172.18.18.162  zabbix server ip地址

4) 将Zabbix相关文件拷贝至相关目录

iptables -I INPUT -p tcp -m multiport --dports 10050:10051 -j ACCEPT

service iptables save &&service iptables restart

ln -s /opt/hzgc/bigdata/Zabbix/zabbix/sbin/\* /usr/sbin/



cp /opt/hzgc/bigdata/Zabbix/zabbix/misc/init.d/fedora/core/zabbix\_\* /etc/init.d/

sed -i "s@BASEDIR=/usr/local@BASEDIR=/opt/hzgc/bigdata/Zabbix/zabbix@g" /etc/init.d/zabbix\_server

1. 配置WEB

vim /etc/httpd/conf/httpd.conf

ServerName 127.0.0.1

ServerName 192.168.10.10

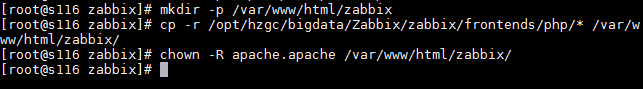
DocumentRoot  "/var/www/html"



mkdir -p /var/www/html/zabbix

cp -r /opt/hzgc/bigdata/Zabbix/zabbix/frontends/php/\* /var/www/html/zabbix/

chown -R apache.apache /var/www/html/zabbix/



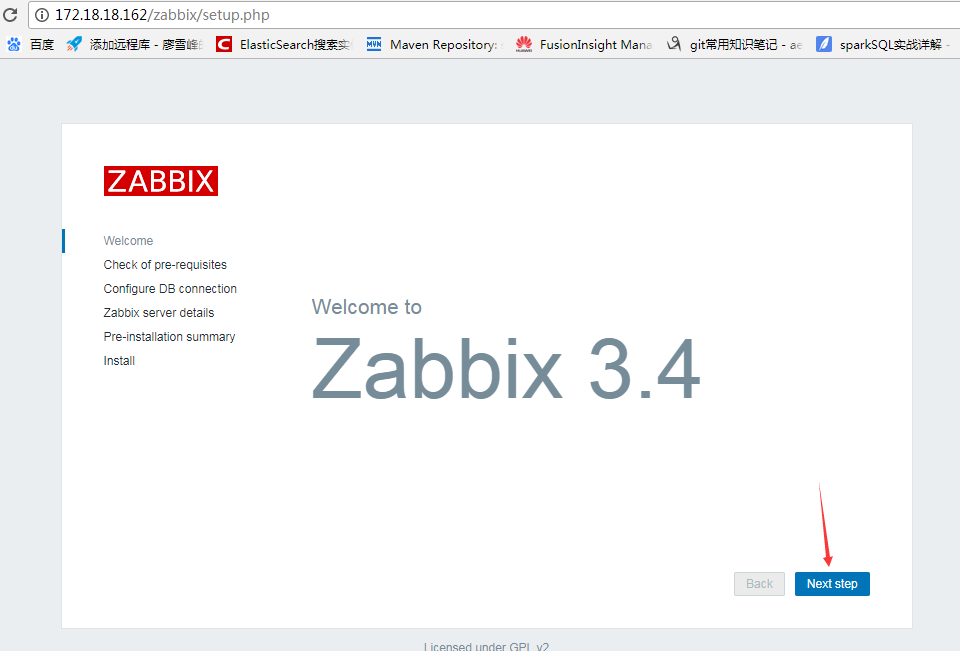
chkconfig zabbix\_server on

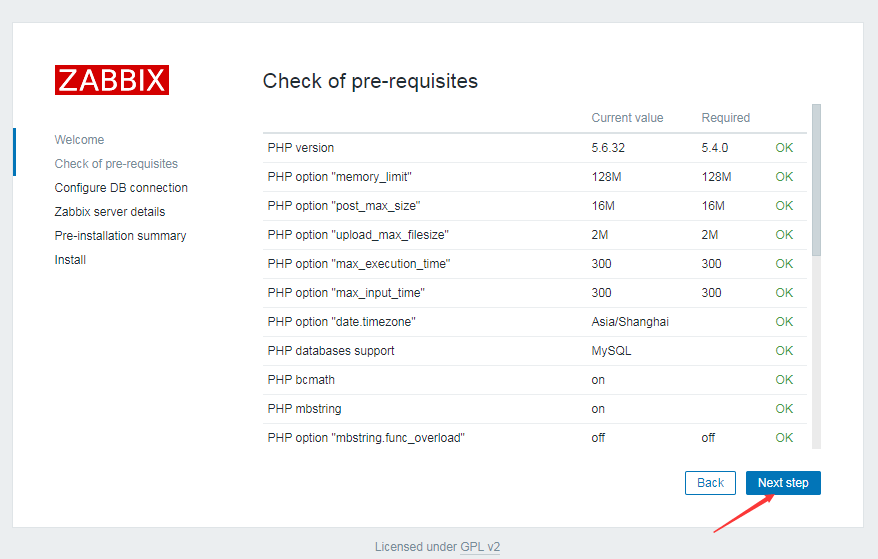
/etc/init.d/zabbix\_server start

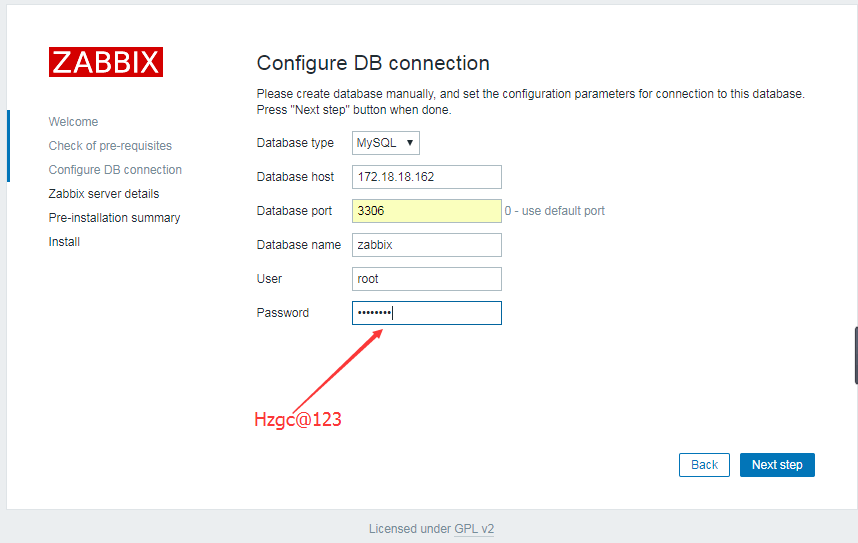
service httpd restart

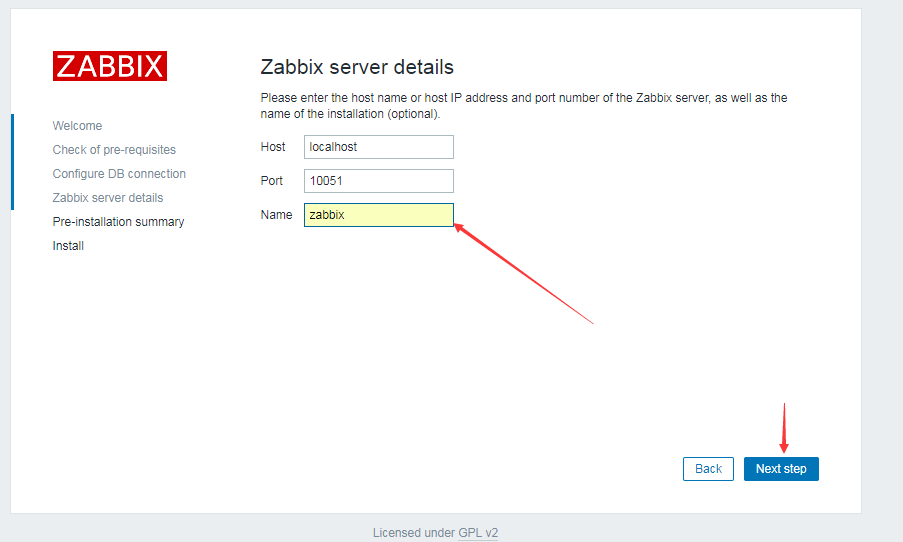
1. 配置浏览器

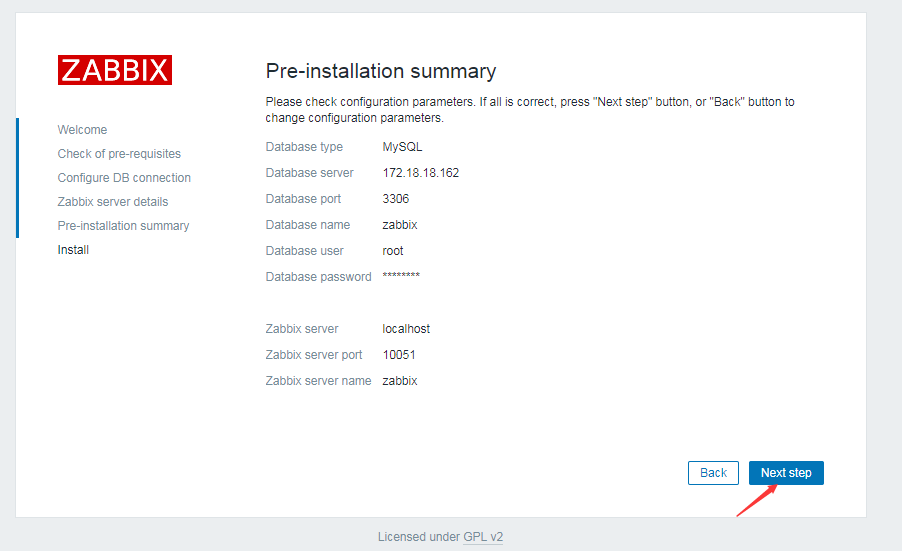
用浏览器访问[http://172.18.18.162/zabbix，并按照提示安装：](http://192.168.10.10/zabbix%EF%BC%8C%E5%B9%B6%E6%8C%89%E7%85%A7%E6%8F%90%E7%A4%BA%E5%AE%89%E8%A3%85%EF%BC%9A" \t "http://blog.51cto.com/qiangsh/_blank)

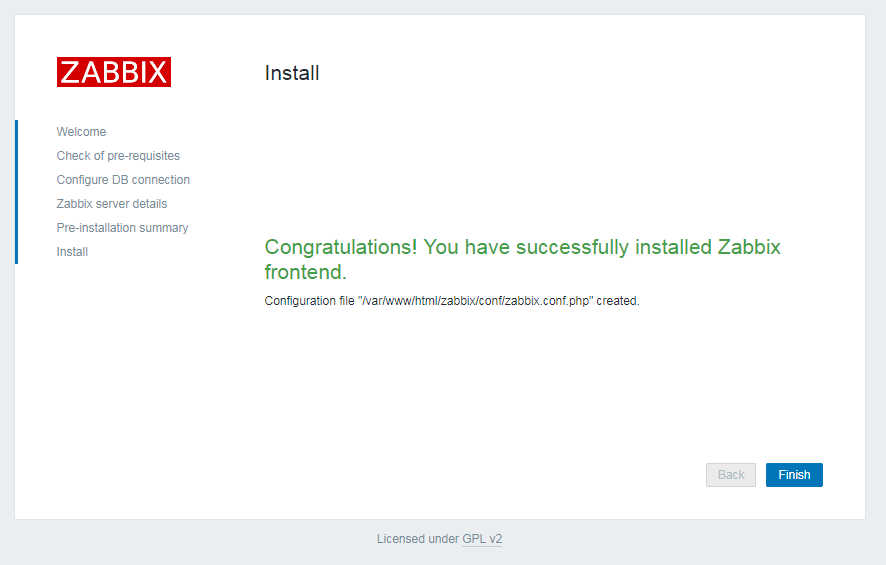


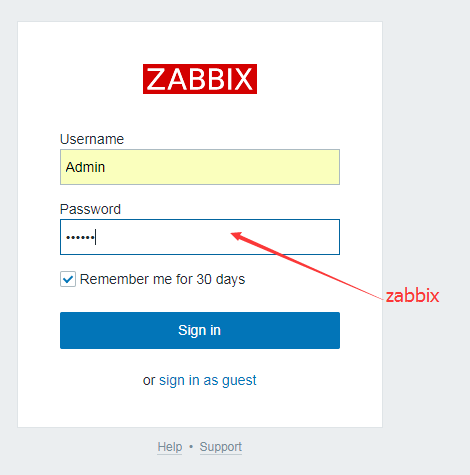


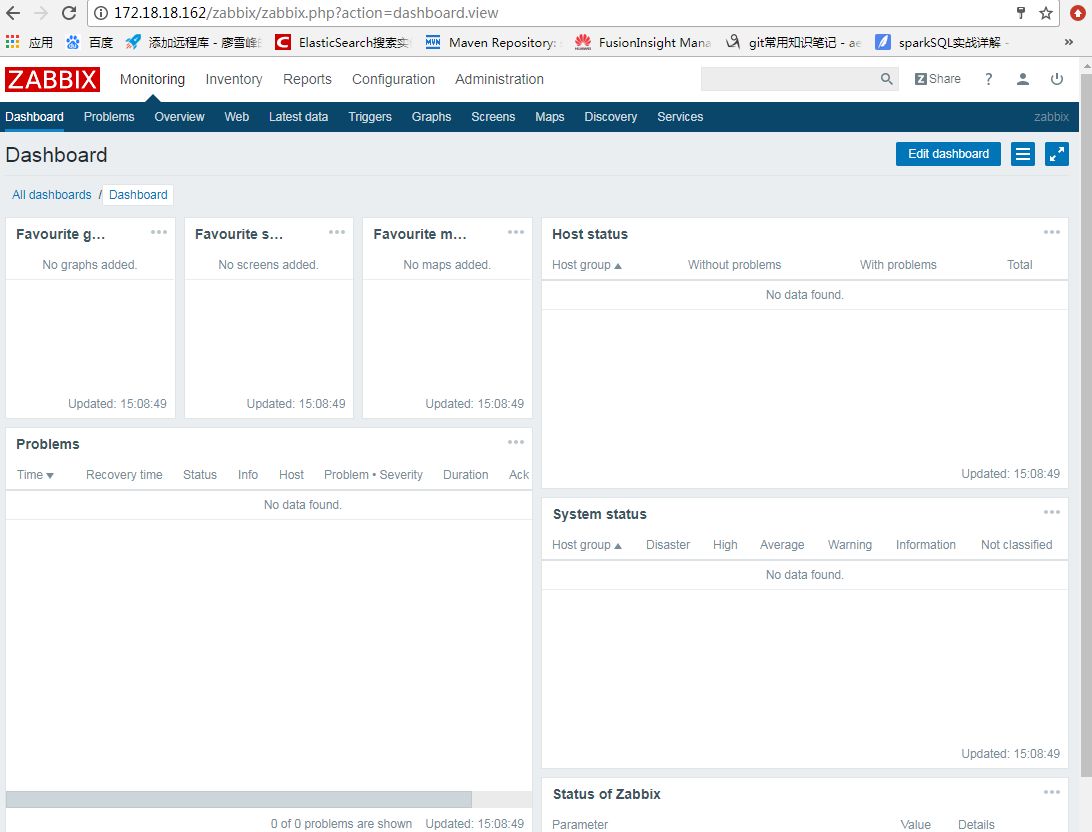








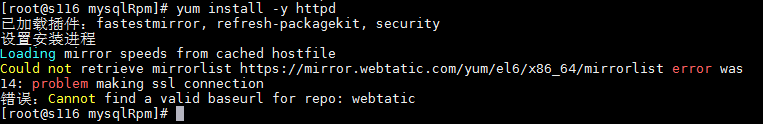




六、问题及解决办法

1.1安装php可能出现的问题

1) 安装http时出错



解决办法：修改 /etc/resolv.conf文件

