

环境说明

```
[root@localhost ~]# cat /etc/redhat-release
CentOS Linux release 7.6.1810 (Core)
[root@localhost ~]# cat /proc/version
Linux version 3.10.0-957.el7.x86_64 (mockbuild@kbuilder.bsys.centos.org) (gcc version 4.8.5 20150623 (Red Hat 4.8.5-36) (GCC)) #1 SMP Thu Nov 8 23:39:32 UTC 2018
[root@localhost ~]#
```

关闭 SELinux

```
vi /etc/selinux/config
```

```
# This file controls the state of SELinux on the system.
# SELINUX= can take one of these three values:
#   enforcing - SELinux security policy is enforced.
#   permissive - SELinux prints warnings instead of enforcing.
#   disabled - No SELinux policy is loaded.
SELINUX=disabled
# SELINUXTYPE= can take one of three values:
#   targeted - Targeted processes are protected,
#   minimum - Modification of targeted policy. Only selected processes are protected.
#   mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

保存退出后重启系统

```
# reboot
```

```
[root@localhost ~]# vi /etc/selinux/config
[root@localhost ~]# reboot
```

临时关闭防火墙

```
# systemctl stop firewalld.service
# systemctl disable firewalld.service
```

```
[root@localhost ~]# systemctl stop firewalld.service
[root@localhost ~]# systemctl disable firewalld.service
Removed symlink /etc/systemd/system/multi-user.target.wants/firewalld.service.
Removed symlink /etc/systemd/system/dbus-org.fedoraproject.FirewallD1.service.
[root@localhost ~]#
```

安装所需所有软体仓库

```
# yum install -y httpd mariadb-server mariadb php php-mysql php-gd libjpeg* php-ldap
php-odbc php-pear php-xml php-xmlrpc php-mhash
```

```
[root@localhost ~]# yum install -y httpd mariadb-server mariadb php php-mysql php-gd libjpeg* php-ldap php-odbc php-pear php-xml php-xmlrpc php-mhash
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: mirrors.163.com
 * extras: mirrors.aliyun.com
 * updates: mirrors.aliyun.com
base                                     | 3.6 kB | 00:00:00
extras                                  | 2.9 kB | 00:00:00
updates                                  | 2.9 kB | 00:00:00
updates/77/x86_64/primary_db            | 1.3 MB | 00:00:00
Resolving Dependencies
--> Running transaction check
--> Package httpd.x86_64 0:2.4.6-93.el7.centos will be installed
--> Processing Dependency: httpd-tools = 2.4.6-93.el7.centos for package: httpd-2.4.6-93.el7.centos.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.6-93.el7.centos.x86_64
--> Processing Dependency: libaprutil1.so.0()(64bit) for package: httpd-2.4.6-93.el7.centos.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.6-93.el7.centos.x86_64
--> Package libjpeg-turbo.x86_64 0:1.2.90-8.el7 will be installed
--> Package libjpeg-turbo-devel.x86_64 0:1.2.90-8.el7 will be installed
--> Package libjpeg-turbo-static.x86_64 0:1.2.90-8.el7 will be installed
--> Package libjpeg-turbo-utils.x86_64 0:1.2.90-8.el7 will be installed
--> Package mariadb.x86_64 1:5.5.65-1.el7 will be installed
--> Package mariadb-server.x86_64 1:5.5.65-1.el7 will be installed
--> Processing Dependency: perl-DBI for package: 1:mariadb-server-5.5.65-1.el7.x86_64
--> Processing Dependency: perl-DBD-MySQL for package: 1:mariadb-server-5.5.65-1.el7.x86_64
--> Processing Dependency: perl(Data:Dumper) for package: 1:mariadb-server-5.5.65-1.el7.x86_64
--> Processing Dependency: perl(DBI) for package: 1:mariadb-server-5.5.65-1.el7.x86_64
--> Processing Dependency: php-cli(x86_64) = 5.4.16-48.el7 for package: php-5.4.16-48.el7.x86_64
--> Processing Dependency: php-common.x86_64 0:5.4.16-48.el7 will be installed
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16-48.el7.x86_64
--> Processing Dependency: libt1.so.5()(64bit) for package: php-gd-5.4.16-48.el7.x86_64
--> Processing Dependency: libXpm.so.4()(64bit) for package: php-gd-5.4.16-48.el7.x86_64
--> Processing Dependency: libX11.so.6()(64bit) for package: php-gd-5.4.16-48.el7.x86_64
--> Package php-ldap.x86_64 0:5.4.16-48.el7 will be installed
--> Package php-mysql.x86_64 0:5.4.16-48.el7 will be installed
--> Processing Dependency: php-odbc(x86_64) = 5.4.16-48.el7 for package: php-mysql-5.4.16-48.el7.x86_64
--> Package php-odbc.x86_64 0:5.4.16-48.el7 will be installed
--> Processing Dependency: libodbc.so.2()(64bit) for package: php-odbc-5.4.16-48.el7.x86_64
--> Package php-pear.noarch 1:1.9.4-21.el7 will be installed
```

编辑 httpd

```
# vi /etc/httpd/conf/httpd.conf
```

```

# any <VirtualHost> containers you may define later in the file.
#
# All of these directives may appear inside <VirtualHost> containers,
# in which case these default settings will be overridden for the
# virtual host being defined.
#
#
# ServerAdmin: Your address, where problems with the server should be
# e-mailed. This address appears on some server-generated pages, such
# as error documents. e.g. admin@your-domain.com
ServerAdmin root@localhost
#
# ServerName gives the name and port that the server uses to identify itself.
# This can often be determined automatically, but we recommend you specify
# it explicitly to prevent problems during startup.
#
# If your host doesn't have a registered DNS name, enter its IP address here.
#
#ServerName www.example.com:80
ServerName www.chenyanq.com
DirectoryIndex index.html index.php
#
# Deny access to the entirety of your server's filesystem. You must
# explicitly permit access to web content directories in other
# <Directory> blocks below.
#
<Directory />
    AllowOverride none
    Require all denied
</Directory>

```

配置中国时区

```
# vi /etc/php.ini
```

```

; ... or with a path:
;
;   extension=/path/to/extension/msql.so
;
; If you only provide the name of the extension, PHP will look for it in its
; default extension directory.
;
;
; Note: packaged extension modules are now loaded via the .ini files
; found in the directory /etc/php.d; these are loaded by default.
;
;
; Module Settings ;
;
[CLI Server]
; Whether the CLI web server uses ANSI color coding in its terminal output.
cli_server.color = On

[Date]
; Defines the default timezone used by the date functions
; http://php.net/date.timezone
date.timezone =
date.timezone = PRC
; http://php.net/date.default_latitude
date.default_latitude = 31.7667
; http://php.net/date.default_longitude
date.default_longitude = 35.2333
; http://php.net/date.sunrise-zenith
date.sunrise_zenith = 90.583333
; http://php.net/date.sunset-zenith
date.sunset_zenith = 90.583333

[filter]
; http://php.net/filter.default
filter.default = unsafe_raw
; http://php.net/filter.default-flags
-- INSERT --

```

启动 httpd, mysql

```
# systemctl start httpd
```

```
# systemctl enable httpd
```

```
# systemctl start mariadb
```

```
# systemctl enable mariadb
```

```

[root@localhost ~]# systemctl start httpd
[root@localhost ~]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@localhost ~]# systemctl start mariadb
[root@localhost ~]# systemctl enable mariadb
Created symlink from /etc/systemd/system/multi-user.target.wants/mariadb.service to /usr/lib/systemd/system/mariadb.service.

```

初始化 mysql 数据库, 并配置 root 用户密码

```
# mysqladmin -u root password 56023000
```

```
# mysql -uroot -p
```

```
[root@localhost ~]# mysqladmin -u root password 56023000
[root@localhost ~]# mysql -uroot -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 3
Server version: 5.5.65-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> █
```

MariaDB [(none)]> CREATE DATABASE zabbix character set utf8 collate utf8_bin;
MariaDB [(none)]> GRANT all ON zabbix.* TO 'chenyang'@'%' IDENTIFIED BY '56023000';
MariaDB [(none)]> flush privileges;
MariaDB [(none)]> quit

```
MariaDB [(none)]> CREATE DATABASE zabbix character set utf8 collate utf8_bin;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> GRANT all ON zabbix.* TO 'chenyang'@'%' IDENTIFIED BY '56023000';
Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]> flush privileges;
Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]> quit
Bye
```

安装依赖包 + 组件

```
# yum -y install net-snmp net-snmp-devel curl curl-devel libxml2 libxml2-devel
libevent-devel.x86_64 javacc.noarch javacc-javadoc.noarch javacc-maven-plugin.noarch
javacc*
```

```
[root@localhost ~]# yum -y install net-snmp net-snmp-devel curl curl-devel libxml2 libxml2-devel libevent-devel.x86_64 javacc.noarch javacc-javadoc.noarch javacc-maven-plugin.noarch javacc*
```

```
# yum install -y php-bcmath php-mbstring
```

```
[root@localhost ~]# yum install -y php-bcmath php-mbstring
```

```
# rpm -ivh
```

http://repo.zabbix.com/zabbix/4.0/rhel/7/x86_64/zabbix-release-4.0-1.el7.noarch.rpm

```
[root@localhost ~]# rpm -ivh http://repo.zabbix.com/zabbix/4.0/rhel/7/x86_64/zabbix-release-4.0-1.el7.noarch.rpm
```

```
# yum install zabbix-server-mysql zabbix-web-mysql -y
```

```
[root@localhost ~]#
[root@localhost ~]# yum install zabbix-server-mysql zabbix-web-mysql -y
```

```
# cd /usr/share/doc/zabbix-server-mysql-4.0.21/
```

```
# zcat create.sql.gz | mysql -uchenyang -p -h 172.16.20.53 zabbix
```

```
[root@localhost ~]# cd /usr/share/doc/zabbix-server-mysql-4.0.21/
[root@localhost zabbix-server-mysql-4.0.21]# ls
AUTHORS ChangeLog COPYING create.sql.gz NEWS README
[root@localhost zabbix-server-mysql-4.0.21]# zcat create.sql.gz | mysql -uchenyang -p -h 172.16.20.53 zabbix
Enter password:
```

配置时区，并设置加入开机自启动 zabbix-server

```
# vi /etc/httpd/conf.d/zabbix.conf
```

将

```
# php_value date.timezone Europe/Riga  
变更成
```

```
php_value date.timezone Asia/Shanghai
```

```
<Directory "/usr/share/zabbix">  
  Options FollowSymLinks  
  AllowOverride None  
  Require all granted  
  
  <IfModule mod_php5.c>  
    php_value max_execution_time 300  
    php_value memory_limit 128M  
    php_value post_max_size 16M  
    php_value upload_max_filesize 2M  
    php_value max_input_time 300  
    php_value max_input_vars 10000  
    php_value always_populate_raw_post_data -1  
    php_value date.timezone Asia/Shanghai  
  </IfModule>  
</Directory>  
  
<Directory "/usr/share/zabbix/conf">  
  Require all denied  
</Directory>
```

修改完成之后保存退出编辑

```
# systemctl enable zabbix-server
```

```
# systemctl start zabbix-server
```

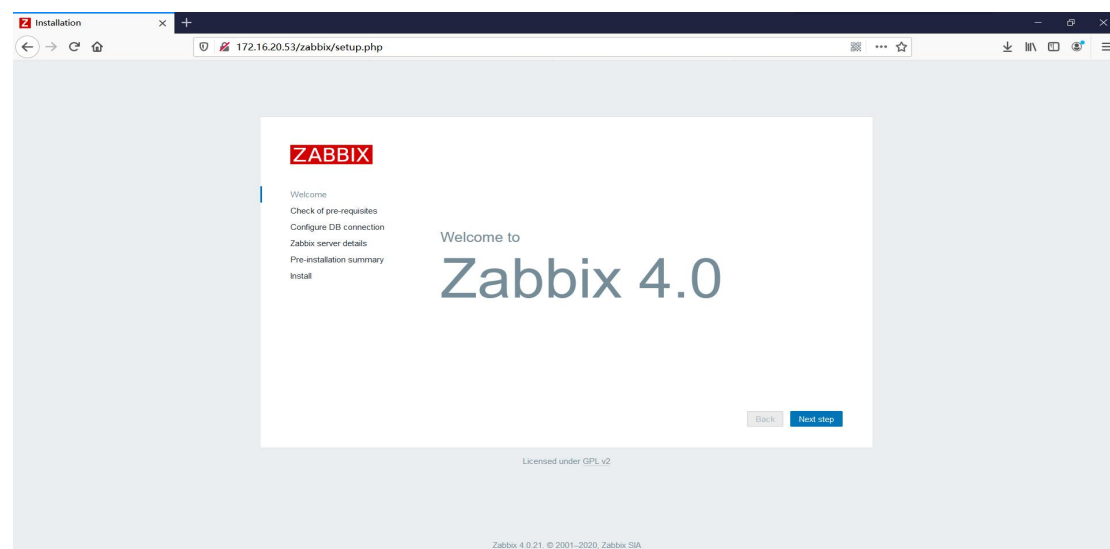
```
[root@localhost ~]# systemctl enable zabbix-server  
Created symlink from /etc/systemd/system/multi-user.target.wants/zabbix-server.service to /usr/lib/systemd/system/zabbix-server.service.  
[root@localhost ~]# systemctl start zabbix-server
```

```
# reboot 将服务器重启一下
```

重启之后就可以开始安装 zabbix

浏览器输入

<http://myserver-ip/zabbix>



ZABBIX

- Welcome
- Check of pre-requisites
- Configure DB connection
- Zabbix server details
- Pre-installation summary
- Install

Welcome to Zabbix 4.0

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Next step

ZABBIX

- Welcome
- Check of pre-requisites
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Check of pre-requisites

	Current value	Required	
PHP version	5.4.16	5.4.0	OK
PHP option "memory_limit"	128M	128M	OK
PHP option "post_max_size"	16M	16M	OK
PHP option "upload_max_filesize"	2M	2M	OK
PHP option "max_execution_time"	300	300	OK
PHP option "max_input_time"	300	300	OK
PHP option "date.timezone"	Asia/Shanghai		OK
PHP databases support	MySQL		OK
PHP bcmath	on		OK
PHP mbstring	on		OK

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ZABBIX

- Welcome
- Check of pre-requisites
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Configure DB connection

Please create database manually, and set the configuration parameters for connection to this database. Press "Next step" button when done.

Database type	MySQL	
Database host	172.16.20.53	
Database port	3306	0 - use default port
Database name	zabbix	
User	chenyang	
Password	••••••••	

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Next step



- Welcome
- Check of pre-requisites
- Configure DB connection
- Zabbix server details
- Pre-installation summary**
- Install

Zabbix server details

Please enter the host name or host IP address and port number of the Zabbix server, as well as the name of the installation (optional).

Host

Port

Name

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[Next step](#)



- Welcome
- Check of pre-requisites
- Configure DB connection
- Zabbix server details
- Pre-installation summary**
- Install

Pre-installation summary

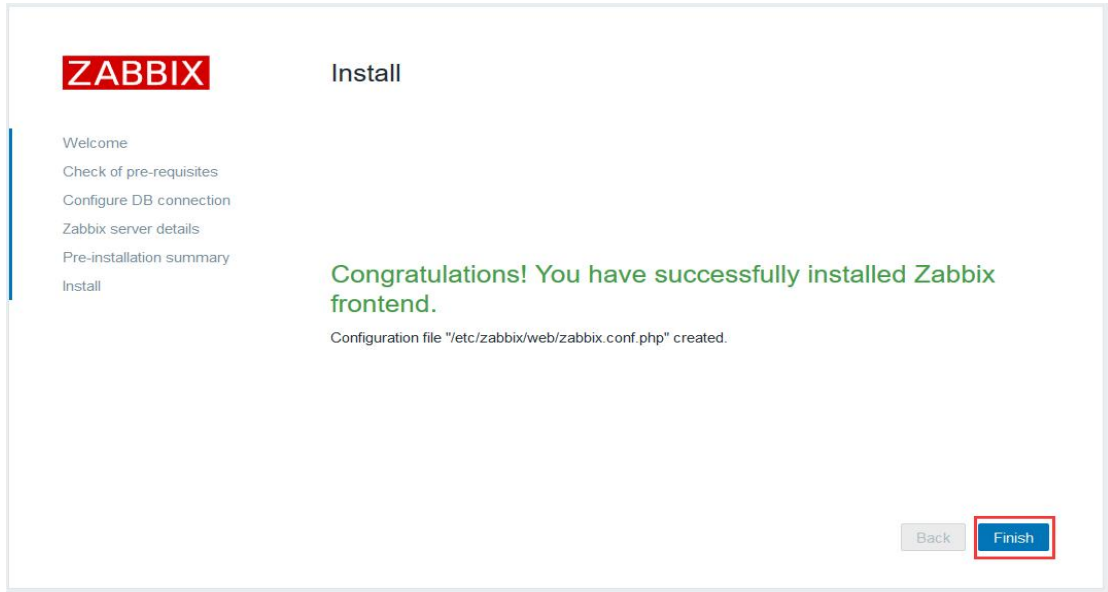
Please check configuration parameters. If all is correct, press "Next step" button, or "Back" button to change configuration parameters.

Database type **MySQL**
Database server **172.16.20.53**
Database port **3306**
Database name **zabbix**
Database user **chenyang**
Database password *********

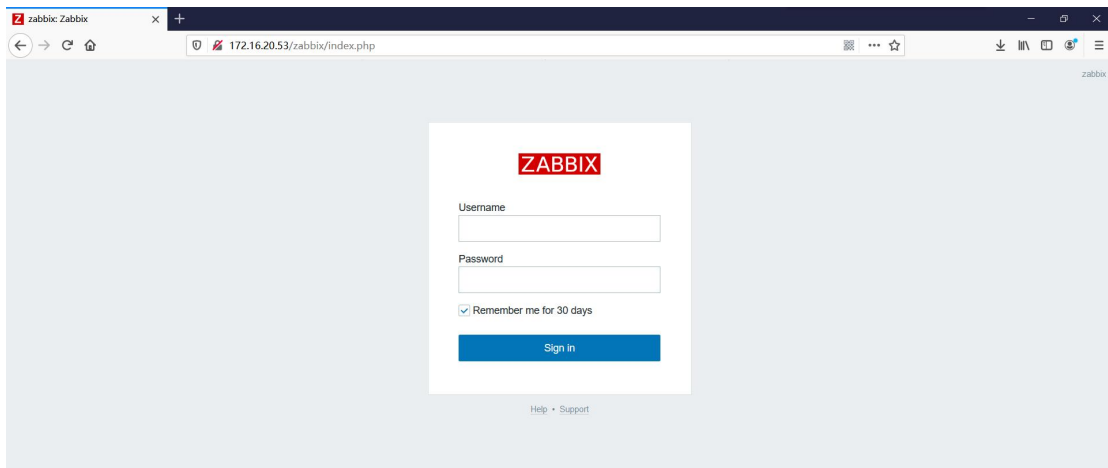
Zabbix server **localhost**
Zabbix server port **10051**
Zabbix server name **zabbix**

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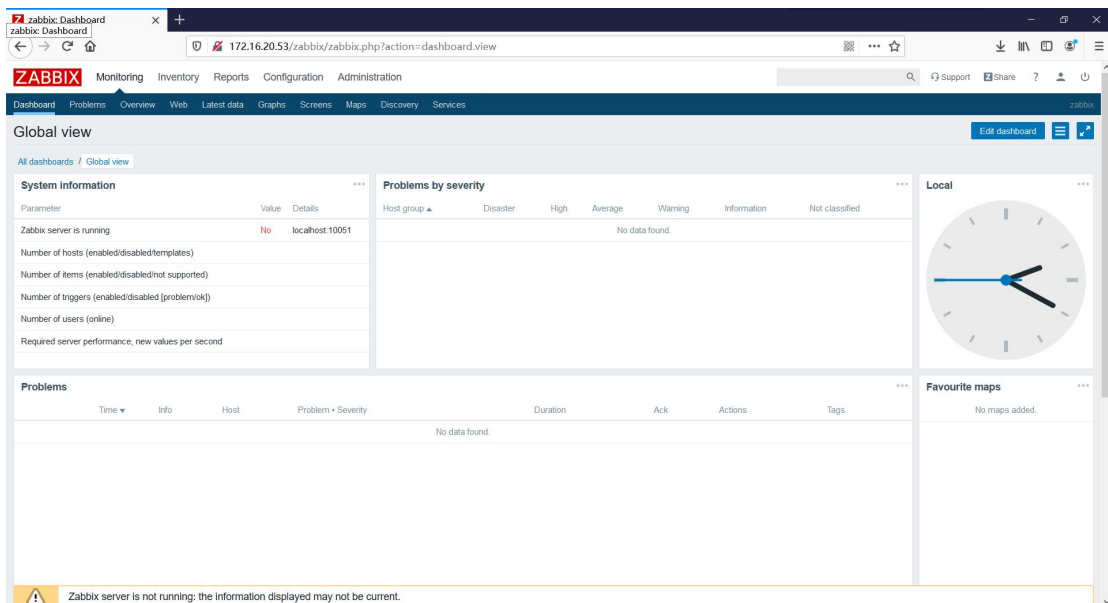
[Next step](#)



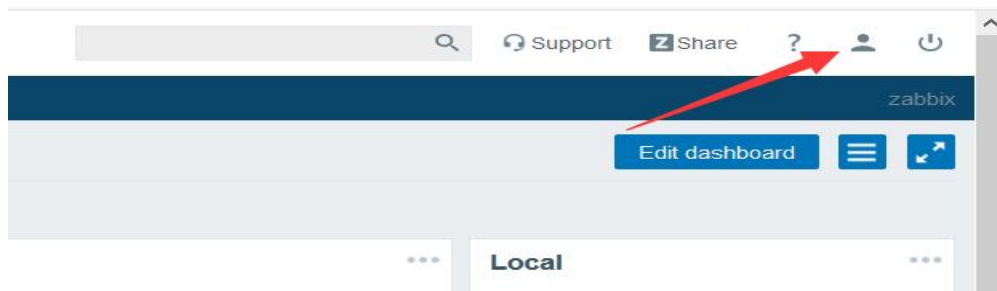
默认用户名 Admin 密码 zabbix



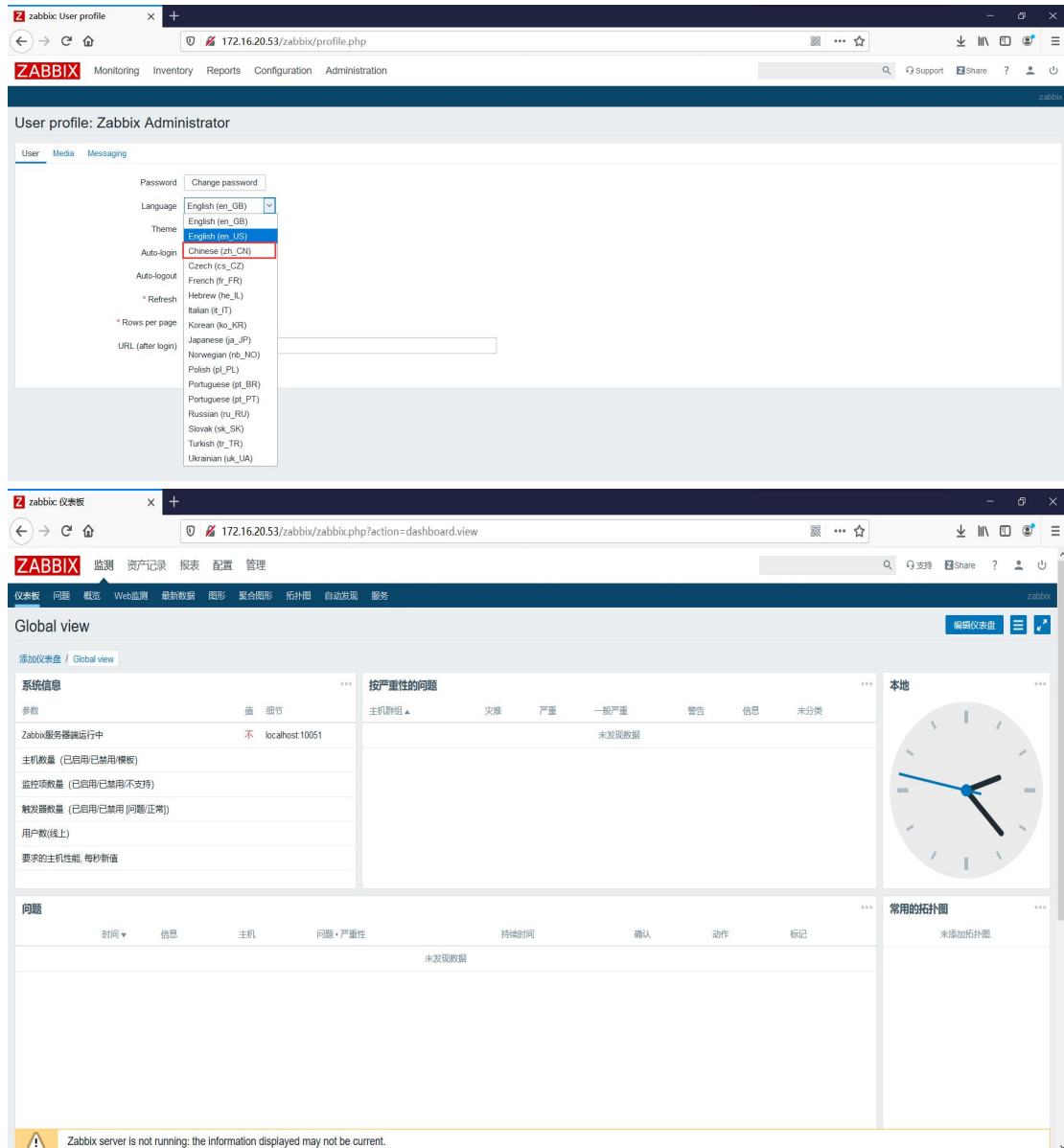
默认显示语言为英语



修改显示语言



选择到 chinese



默认访问路径

http://zabbix_server_ip/zabbix

为了方便使用将 URL 地址修改为

http://zabbix_server_ip


```
# vi /etc/httpd/conf/httpd.conf
```

```
[root@localhost ~]# vi /etc/httpd/conf/httpd.conf
```

修改如下内容:

默认为 /var/www/html/

修改为 zabbix 目录

DocumentRoot "/usr/share/zabbix"

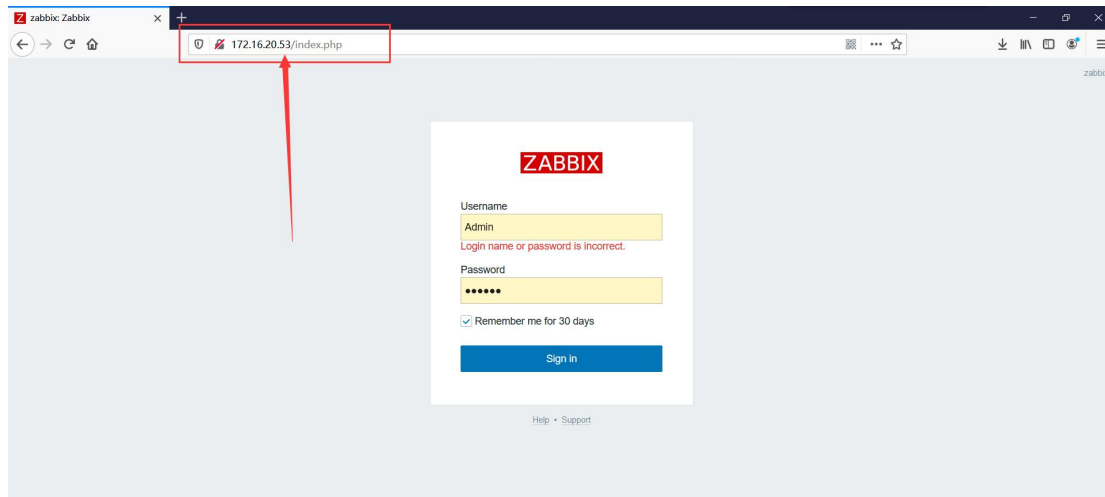
```
# DocumentRoot: The directory out of which you will serve your
# documents. By default, all requests are taken from this directory, but
# symbolic links and aliases may be used to point to other locations.
#
DocumentRoot "/usr/share/zabbix"
#
# Relax access to content within /var/www.
#
<Directory "/var/www">
    AllowOverride None
    # Allow open access:
    Require all granted
</Directory>
```

保存退出

重启 httpd

```
[root@localhost ~]# systemctl restart httpd.service
[root@localhost ~]#
```

输入 IP 地址验证



到此 zabbix 的平台就部署完成了。