**Zabbix安装文档**

# 0.安装路由跟踪工具

|  |
| --- |
| # yum install traceroute |

# 1.下载软件包

Zabbix需要在linux系统上运行，首先下载源码包zabbix-3.4.6.tar.gz，下载nginx源码包nginx-1.8.1.tar.gz，通过ftp工具将文件导入服务器上

# 2.安装编译源码包所需的软件

|  |
| --- |
| # yum install gcc-c++ pcre pcre-devel zlip zlib-devel openssl-devel |

# 3.安装数据库和php

|  |
| --- |
| # yum install mariadb-server php php-mysql php-fpm |

# 4.安装nginx

|  |
| --- |
| # tar xf nginx-1.8.1.tar.gz  # cd nginx-1.8.1  # ./configure –prefix=/usr/local/nginx  # make && make install |

# 5.创建数据库并授权

|  |
| --- |
| # mysql –uroot –p’password’  mysql>create database zabbix;  mysql>grant all on zabbix.\* to zabbix@localhost identified by ‘\*\*\*\*\*\*’;  mysql>\q |

# 6.准备安装zabbix

|  |
| --- |
| # tar xf zabbix-3.4.6.tar.gz  # cd zabbix-3.4.6  # useradd zabbix  # yum install net-snmp-devel curl curl-devel mysql-devel libevent-devel  # ./configure --prefix=/usr/local/zabbix --enable-server --enable-agent --with-net-snmp --with-libcurl --enable-proxy --with-mysql  # make && make install |

# 7.依次将数据导入数据库中，在路径zabbix-3.4.6/database/mysql/

|  |
| --- |
| # mysql -uzabbix -p -hlocalhost zabbix < ./schema.sql  # mysql -uzabbix -p -hlocalhost zabbix < ./images.sql  # mysql -uzabbix -p -hlocalhost zabbix < ./data.sql |

# 8.修改配置文件

|  |
| --- |
| # vim /usr/local/zabbix/etc/zabbix\_server.conf  DBName=zabbix #授权数据库名称  DBUser=zabbix #授权数据库用户名  DBPassword=\*\*\*\*\* #授权用户密码  # vim /usr/local/zabbix/etc/zabbix\_agentd.conf |

# 9.配置服务启动脚本，在路径zabbix-3.4.6/

|  |
| --- |
| # cp ./misc/init.d/fedora/core/zabbix\_server /etc/init.d/zabbix\_server  # cp ./misc/init.d/fedora/core/zabbix\_agentd /etc/init.d/zabbix\_agentd  # vim /etc/init.d/zabbix\_server  BASEDIR=/usr/local/zabbix  # vim /etc/init.d/zabbix\_agentd  BASEDIR=/usr/local/zabbix |

|  |
| --- |
| 开机自启：  # chkconfig zabbix\_server on  # chkconfig zabbix\_agentd on |

# 10.修改php的时区

|  |
| --- |
| # vim /etc/php.ini  max\_execution\_time = 300  memory\_limit = 128M  post\_max\_size = 16M  upload\_max\_filesize = 2M  max\_input\_time = 300  date.timezone Asia/Shanghai |

# 11.将网页文件拷贝到网页根目录下

|  |
| --- |
| # cd zabbix-3.4.6  # mkdir /usr/local/nginx/html/zabbix  # cp –r frontends/php/\* /usr/local/nginx/html/zabbix/  # chmod –R 777 /usr/local/nginx/html/zabbix |

# 12.修改nginx配置文件

|  |
| --- |
| # vim /usr/local/nginx/conf/nginx.conf  http {  ...  ...  fastcgi\_buffer\_size 128k;  fastcgi\_buffers 8 128k;  ...  ...  location / {  root html;  index index.php index.html index.htm;  }  ...  ...  location ~ \.php$ {  root html;  fastcgi\_pass 127.0.0.1:9000;  fastcgi\_index index.php;  #fastcgi\_param SCRIPT\_FILENAME /scripts$fastcgi\_script\_name;  include fastcgi.conf;  }  ...  ... |

# 13. 启动服务

|  |
| --- |
| # systemctl start mysqld php-fpm #启动数据库服务和php服务  # systemctl enable mysqld php-fpm #开机自启  # /usr/local/nginx/sbin/nginx #启动nginx  # service zabbix\_server start #启动zabbix\_server  # service zabbix\_agentd start #启动zabbix\_agentd  # chkconfig --add zabbix\_server #将zabbix\_server添加到系统服务  # chkconfig --add zabbix\_agentd #将zabbix\_agentd添加到系统服务  # chkconfig zabbix\_server on #开机自启动  # chkconfig zabbix\_agentd on #开机自启动 |

Nginx的开机自启动脚本：

|  |
| --- |
| # vim /lib/systemd/system/nginx.service  [Unit]  Description=The NGINX HTTP and reverse proxy server  After=syslog.target network.target remote-fs.target nss-lookup.target  [Service]  Type=forking  PIDFile=/usr/local/nginx/logs/nginx.pid #nginx服务进程文件  ExecStartPre=/usr/local/nginx/sbin/nginx -t #nginx启动程序文件  ExecStart=/usr/local/nginx/sbin/nginx  ExecReload=/bin/kill -s HUP $MAINPID  ExecStop=/bin/kill -s QUIT $MAINPID  PrivateTmp=true  [Install]  WantedBy=multi-user.target |

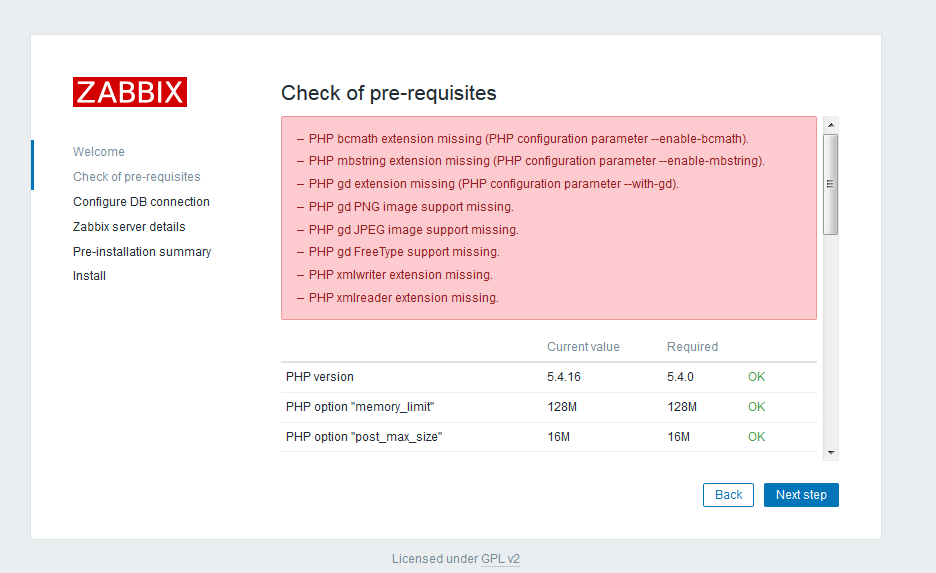
|  |
| --- |
| # systemctl start nginx #nginx的启动脚本变更为  # systemctl enable nginx #nginx的开机自启 |

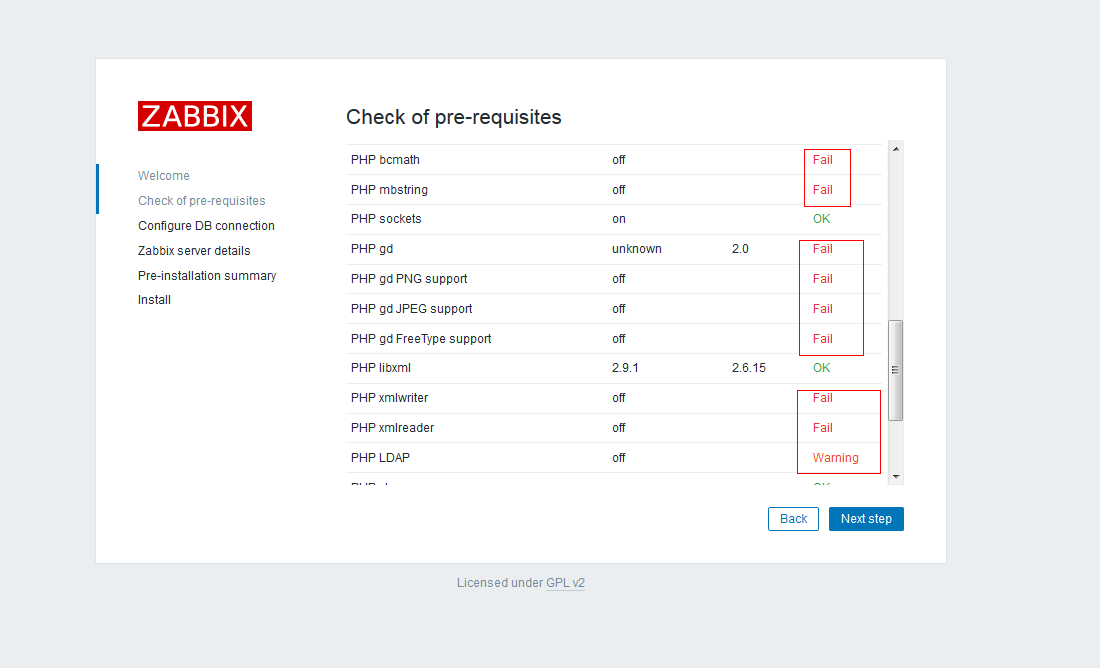
# 14.访问<http://serverip/zabbix>，按步骤安装

yum install php-bcmath php-mbstring php-gd php-xml php-ldap

重启php-fpm和nginx







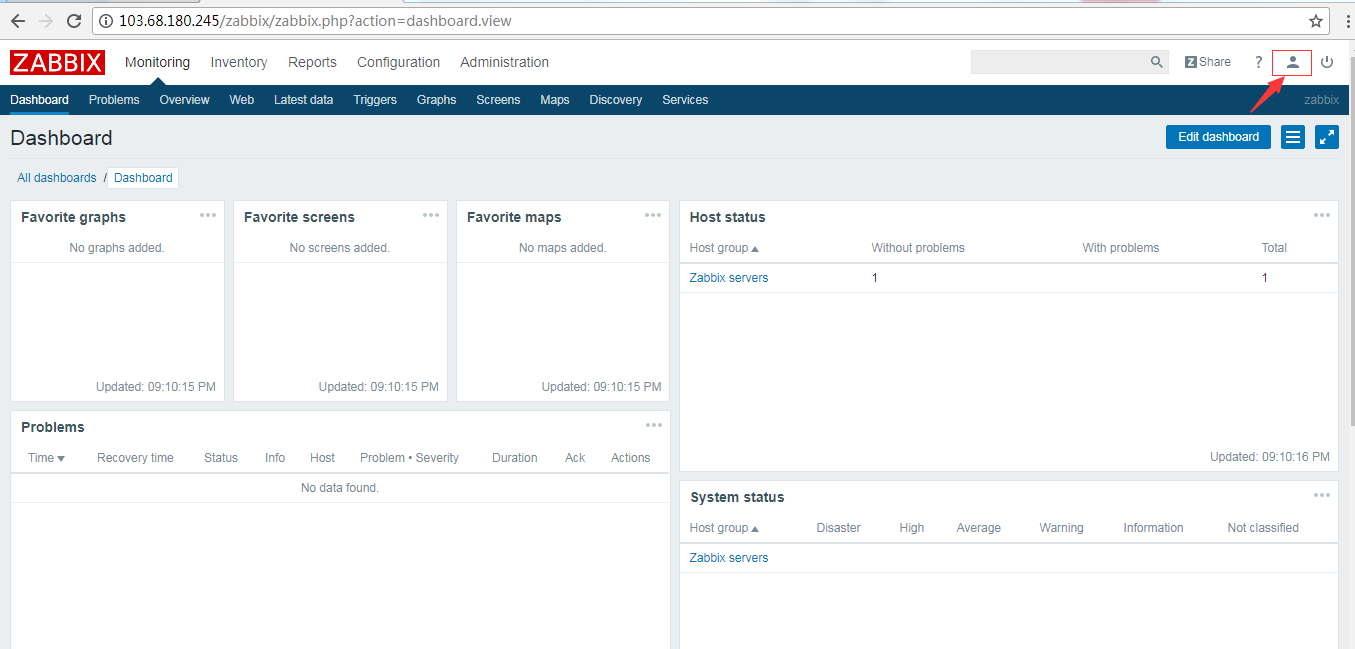
根据提示安装所缺少的依赖包

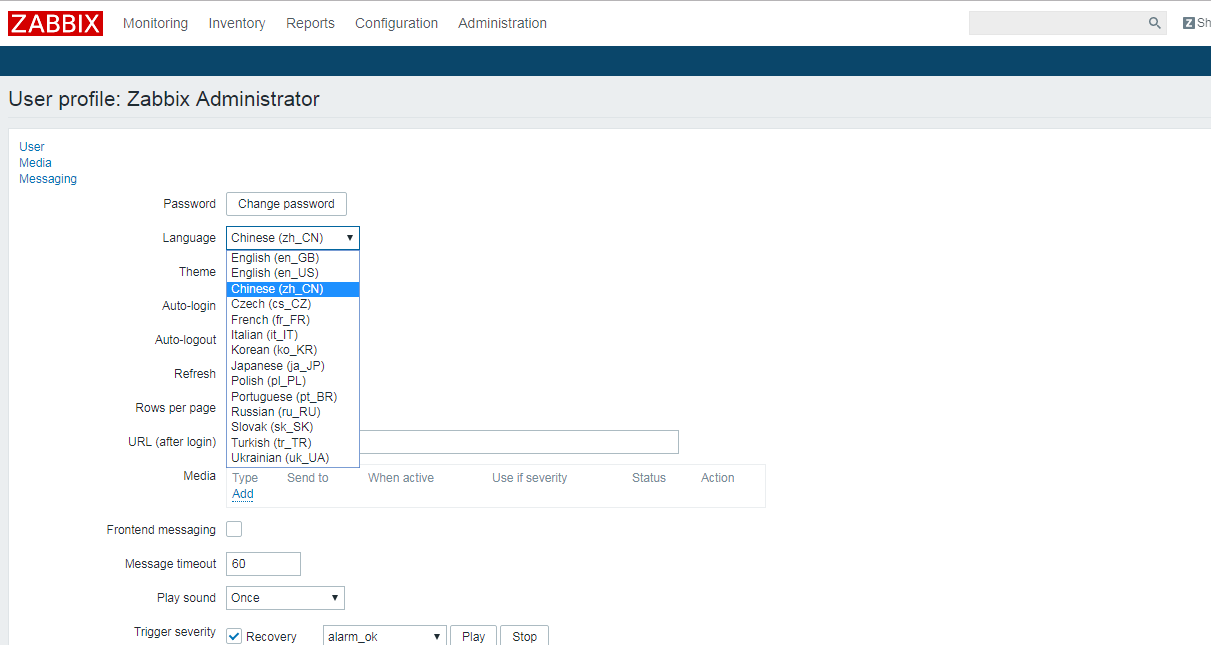


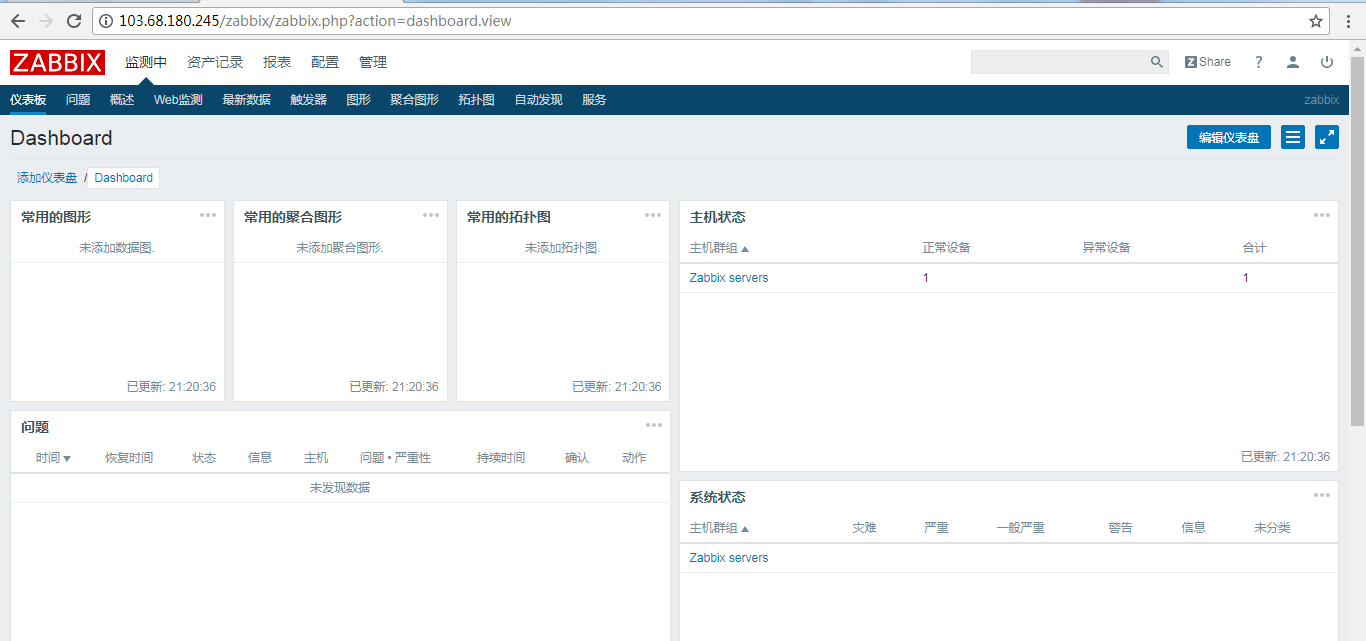




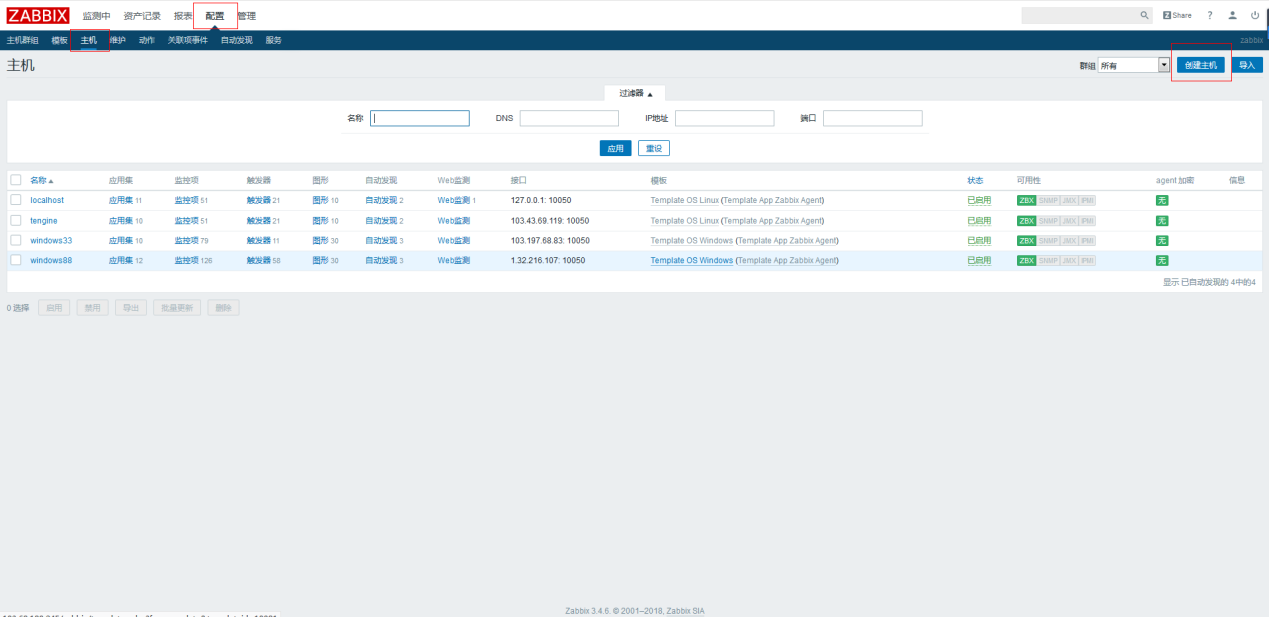








# 15.添加监控主机



# 16.监控WEB性能

