

在Centos7下安装部署Zabbix3.2 - Chris_111X的博客

简介

为了能够更好的监控和管理服务器，我们可以选择开源的zabbix软件。zabbix是一个基于WEB界面的提供分布式系统监视以及网络监视功能的企业级的开源解决方案。Zabbix主要是有zabbix-server和zabbix-agent组成。

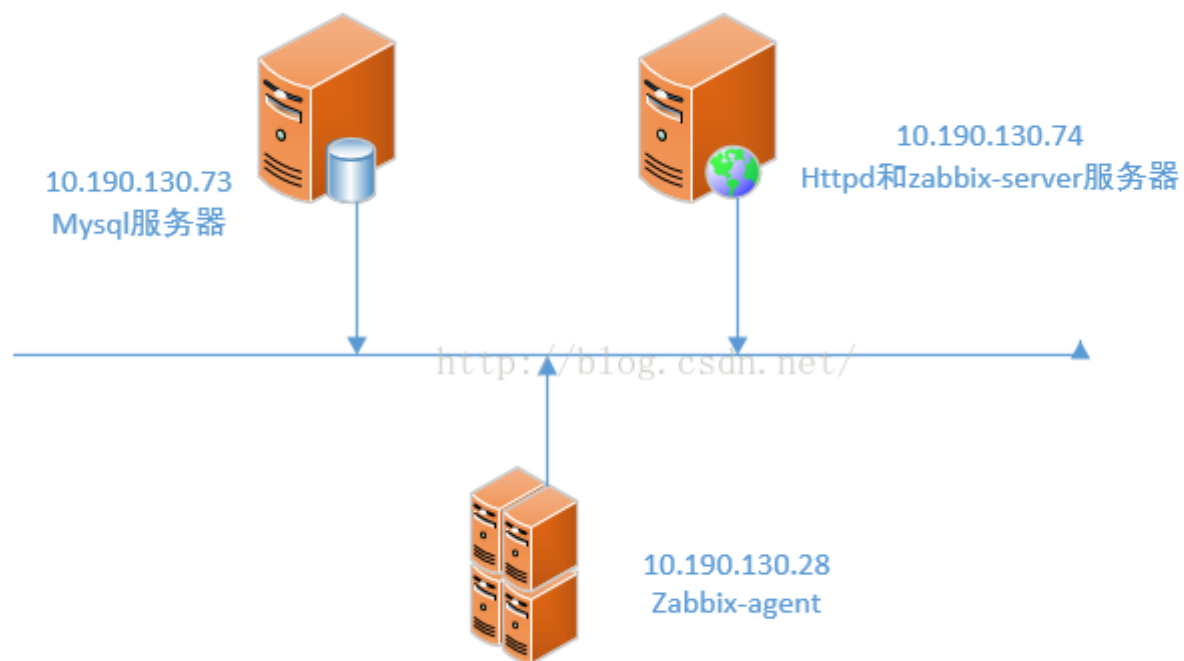
zabbix server主要是通过SNMP，zabbix agent，ping，端口监视等方法提供对远程服务器和网络状态的监控。

zabbix agent需要安装在被监控服务器上，它主要完成对硬件信息或与操作系统的内存和CPU等相关信息的采集。

参考文章：<http://www.cnblogs.com/XYJK1002/p/5324293.html>

参考文章：<http://www.cnblogs.com/ilanni/p/5452223.html>

部署架构



服务器：10.190.130.73，安装mysql数据库

服务器：10.190.130.74，安装配置httpd和zabbix-server服务

服务器：10.190.130.28，安装zabbix-agent，用来监控服务器。

安装zabbix部署环境

部署zabbix系统需要安装LAMP环境，以下是安装过程：

在Centos7下安装PHP环境：

在线安装PHP：yum install php

```
[root@localhost ~]# yum install php
Loaded plugins: fastestmirror
base | 3.6 kB 0
extras | 3.4 kB 0
nodesource | 2.5 kB 0
updates | 3.4 kB 0
Loading mirror speeds from cached hostfile
 * base: centos.ustc.edu.cn
 * extras: centos.ustc.edu.cn
 * updates: centos.ustc.edu.cn
Resolving Dependencies
There are unfinished transactions remaining. You might consider running yum-complete-transaction, or "yum-complete-transaction --c
and "yum history redo last", first to finish them. If those don't work you'll have to try removing/installing packages by hand (m
-cleanup can help).
The program yum-complete-transaction is found in the yum-utils package.
--> Running transaction check
--> Package php.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Processing Dependency: php-common(x86-64) = 5.4.16-36.3.el7_2 for package: php-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: php-cli(x86-64) = 5.4.16-36.3.el7_2 for package: php-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: httpd-mm = 20120211x8664 for package: php-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: httpd for package: php-5.4.16-36.3.el7_2.x86_64
--> Running transaction check
--> Package httpd.x86_64 0:2.4.6-40.el7.centos.4 will be installed
--> Processing Dependency: httpd-tools = 2.4.6-40.el7.centos.4 for package: httpd-2.4.6-40.el7.centos.4.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.6-40.el7.centos.4.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.6-40.el7.centos.4.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.6-40.el7.centos.4.x86_64
--> Package php-cli.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Package php-common.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16-36.3.el7_2.x86_64
--> Running transaction check
--> Package apr.x86_64 0:1.4.8-3.el7 will be installed
--> Package apr-util.x86_64 0:1.5.2-6.el7 will be installed
--> Package httpd-tools.x86_64 0:2.4.6-40.el7.centos.4 will be installed
--> Package libzip.x86_64 0:0.10.1-8.el7 will be installed
--> Package mailcap.noarch 0:2.1.41-2.el7 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version	Repository
Installing:			
php	x86_64	5.4.16-36.3.el7_2	updates
Installing for dependencies:			
apr	x86_64	1.4.8-3.el7	base
apr-util	x86_64	1.5.2-6.el7	base
httpd	x86_64	2.4.6-40.el7.centos.4	updates
httpd-tools	x86_64	2.4.6-40.el7.centos.4	updates
libzip	x86_64	0.10.1-8.el7	base

mailcap	noarch	2.1.41-2.el7	base
php-cli	x86_64	5.4.16-36.3.el7_2	updates
php-common	x86_64	5.4.16-36.3.el7_2	updates

安装php的扩展：

```
yum install php-mysql php-gd php-ldap php-odbc php-pear php-xmlphp-xmlrpc
```

```
[root@localhost ~]# yum install php-mysql php-gd php-ldap php-odbc php-pear php-xml php-xmlrpc
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: mirrors.bttc.net
 * extras: centos.ustc.edu.cn
 * updates: centos.ustc.edu.cn
Resolving Dependencies
There are unfinished transactions remaining. You might consider running yum-complete-transaction, or "yum-complete-transaction --cleanup-only" and "yum history redo last", first to finish them. If those don't work you'll have to try removing/installing packages by hand (maybe package-cleanup can help).
The program yum-complete-transaction is found in the yum-utils package.
--> Running transaction check
----> Package php-gd.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Processing Dependency: libpng15.so.15(PNG15_0)(64bit) for package: php-gd-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libjpeg.so.62(LIBJPEG_6.2)(64bit) for package: php-gd-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libt1.so.5()(64bit) for package: php-gd-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libpng15.so.15()(64bit) for package: php-gd-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libjpeg.so.62()(64bit) for package: php-gd-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libXpm.so.4()(64bit) for package: php-gd-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libX11.so.6()(64bit) for package: php-gd-5.4.16-36.3.el7_2.x86_64
----> Package php-ldap.x86_64 0:5.4.16-36.3.el7_2 will be installed
----> Package php-mysql.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Processing Dependency: php-pdo(x86-64) = 5.4.16-36.3.el7_2 for package: php-mysql-5.4.16-36.3.el7_2.x86_64
----> Package php-odbc.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Processing Dependency: libodbc.so.2()(64bit) for package: php-odbc-5.4.16-36.3.el7_2.x86_64
----> Package php-pear.noarch 1:1.9.4-21.el7 will be installed
--> Processing Dependency: php-posix for package: 1:php-pear-1.9.4-21.el7.noarch
----> Package php-xml.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Processing Dependency: libxslt.so.1(LIBXML2_1.0.24)(64bit) for package: php-xml-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libxslt.so.1(LIBXML2_1.0.22)(64bit) for package: php-xml-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libxslt.so.1(LIBXML2_1.0.18)(64bit) for package: php-xml-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libxslt.so.1(LIBXML2_1.0.13)(64bit) for package: php-xml-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libxslt.so.1(LIBXML2_1.0.11)(64bit) for package: php-xml-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libxslt.so.1()(64bit) for package: php-xml-5.4.16-36.3.el7_2.x86_64
--> Processing Dependency: libexslt.so.0()(64bit) for package: php-xml-5.4.16-36.3.el7_2.x86_64
----> Package php-xmlrpc.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Running transaction check
----> Package libX11.x86_64 0:1.6.3-2.el7 will be installed
--> Processing Dependency: libX11-common >= 1.6.3-2.el7 for package: libX11-1.6.3-2.el7.x86_64
--> Processing Dependency: libxcb.so.1()(64bit) for package: libX11-1.6.3-2.el7.x86_64
----> Package libXpm.x86_64 0:3.5.11-3.el7 will be installed
----> Package libjpeg-turbo.x86_64 0:1.2.90-5.el7 will be installed
----> Package libpng.x86_64 2:1.5.13-7.el7_2 will be installed
----> Package libxslt.x86_64 0:1.1.28-5.el7 will be installed
----> Package php-pdo.x86_64 0:5.4.16-36.3.el7_2 will be installed
----> Package php-process.x86_64 0:5.4.16-36.3.el7_2 will be installed
----> Package t1lib.x86_64 0:5.1.2-14.el7 will be installed
----> Package unixODBC.x86_64 0:2.3.1-11.el7 will be installed
--> Processing Dependency: libltdl.so.7()(64bit) for package: unixODBC-2.3.1-11.el7.x86_64
--> Running transaction check
----> Package libX11-common.noarch 0:1.6.3-2.el7 will be installed
```

```
---> Package libtool-ltdl.x86_64 0:2.4.2-21.el7_2 will be installed  
---> Package libxcb.x86_64 0:1.11-4.el7 will be installed  
--> Processing Dependency: libXau.so.6()(64bit) for package: libxcb-1.11-4.el7.x86_64  
--> Running transaction check
```

安装

yum install net-snmp net-snmp-devel net-snmp-libs net-snmp-utilsphp-snmp

```

[root@localhost ~]# yum install net-snmp net-snmp-devel net-snmp-libs net-snmp-utils php-snmp
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: mirrors.btte.net
 * extras: centos.ustc.edu.cn
 * updates: centos.ustc.edu.cn
Resolving Dependencies
There are unfinished transactions remaining. You might consider running yum-complete-transaction, or "yum-complete-transaction --
o finish them. If those don't work you'll have to try removing/installing packages by hand (maybe package-cleanup can help).
The program yum-complete-transaction is found in the yum-utils package.
--> Running transaction check
--> Package net-snmp.x86_64 1:5.7.2-24.el7_2.1 will be installed
--> Processing Dependency: net-snmp-agent-libs = 1:5.7.2-24.el7_2.1 for package: 1:net-snmp-5.7.2-24.el7_2.1.x86_64
--> Processing Dependency: perl(Data::Dumper) for package: 1:net-snmp-5.7.2-24.el7_2.1.x86_64
--> Processing Dependency: libsensors.so.4()(64bit) for package: 1:net-snmp-5.7.2-24.el7_2.1.x86_64
--> Processing Dependency: libnetsnmptrapd.so.31()(64bit) for package: 1:net-snmp-5.7.2-24.el7_2.1.x86_64
--> Processing Dependency: libnetsnmplib.so.31()(64bit) for package: 1:net-snmp-5.7.2-24.el7_2.1.x86_64
--> Processing Dependency: libnetsnmpagent.so.31()(64bit) for package: 1:net-snmp-5.7.2-24.el7_2.1.x86_64
--> Package net-snmp-devel.x86_64 1:5.7.2-24.el7_2.1 will be installed
--> Processing Dependency: tcp_wrappers-devel for package: 1:net-snmp-devel-5.7.2-24.el7_2.1.x86_64
--> Processing Dependency: rpm-devel for package: 1:net-snmp-devel-5.7.2-24.el7_2.1.x86_64
--> Processing Dependency: perl-devel(x86-64) for package: 1:net-snmp-devel-5.7.2-24.el7_2.1.x86_64
--> Processing Dependency: lm_sensors-devel for package: 1:net-snmp-devel-5.7.2-24.el7_2.1.x86_64
--> Processing Dependency: elfutils-libelf-devel for package: 1:net-snmp-devel-5.7.2-24.el7_2.1.x86_64
--> Processing Dependency: elfutils-devel for package: 1:net-snmp-devel-5.7.2-24.el7_2.1.x86_64
--> Package net-snmp-libs.x86_64 1:5.7.2-24.el7_2.1 will be installed
--> Package net-snmp-utils.x86_64 1:5.7.2-24.el7_2.1 will be installed
--> Package php-snmp.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Running transaction check
--> Package elfutils-devel.x86_64 0:0.163-3.el7 will be installed
--> Package elfutils-libelf-devel.x86_64 0:0.163-3.el7 will be installed
--> Package lm_sensors-devel.x86_64 0:3.3.4-11.el7 will be installed
--> Package lm_sensors-libs.x86_64 0:3.3.4-11.el7 will be installed
--> Package net-snmp-agent-libs.x86_64 1:5.7.2-24.el7_2.1 will be installed
--> Package perl-Data-Dumper.x86_64 0:2.145-3.el7 will be installed
--> Package perl-devel.x86_64 4:5.16.3-286.el7 will be installed
--> Processing Dependency: systemtap-sdt-devel for package: 4:perl-devel-5.16.3-286.el7.x86_64
--> Processing Dependency: perl(ExtUtils::ParseXS) for package: 4:perl-devel-5.16.3-286.el7.x86_64
--> Processing Dependency: perl(ExtUtils::MakerMaker) for package: 4:perl-devel-5.16.3-286.el7.x86_64
--> Processing Dependency: perl(ExtUtils::Install) for package: 4:perl-devel-5.16.3-286.el7.x86_64
--> Processing Dependency: libdb-devel for package: 4:perl-devel-5.16.3-286.el7.x86_64
--> Processing Dependency: gdbm-devel for package: 4:perl-devel-5.16.3-286.el7.x86_64
--> Package rpm-devel.x86_64 0:4.11.3-17.el7 will be installed
--> Processing Dependency: popt-devel(x86-64) for package: rpm-devel-4.11.3-17.el7.x86_64

```

Zabbix下载地址：

zabbix-release-3.2-1.el7.noarch.rpm

下载页面：<http://www.zabbix.com/download>

下载版本页面：http://repo.zabbix.com/zabbix/3.2/rhel/7/x86_64/

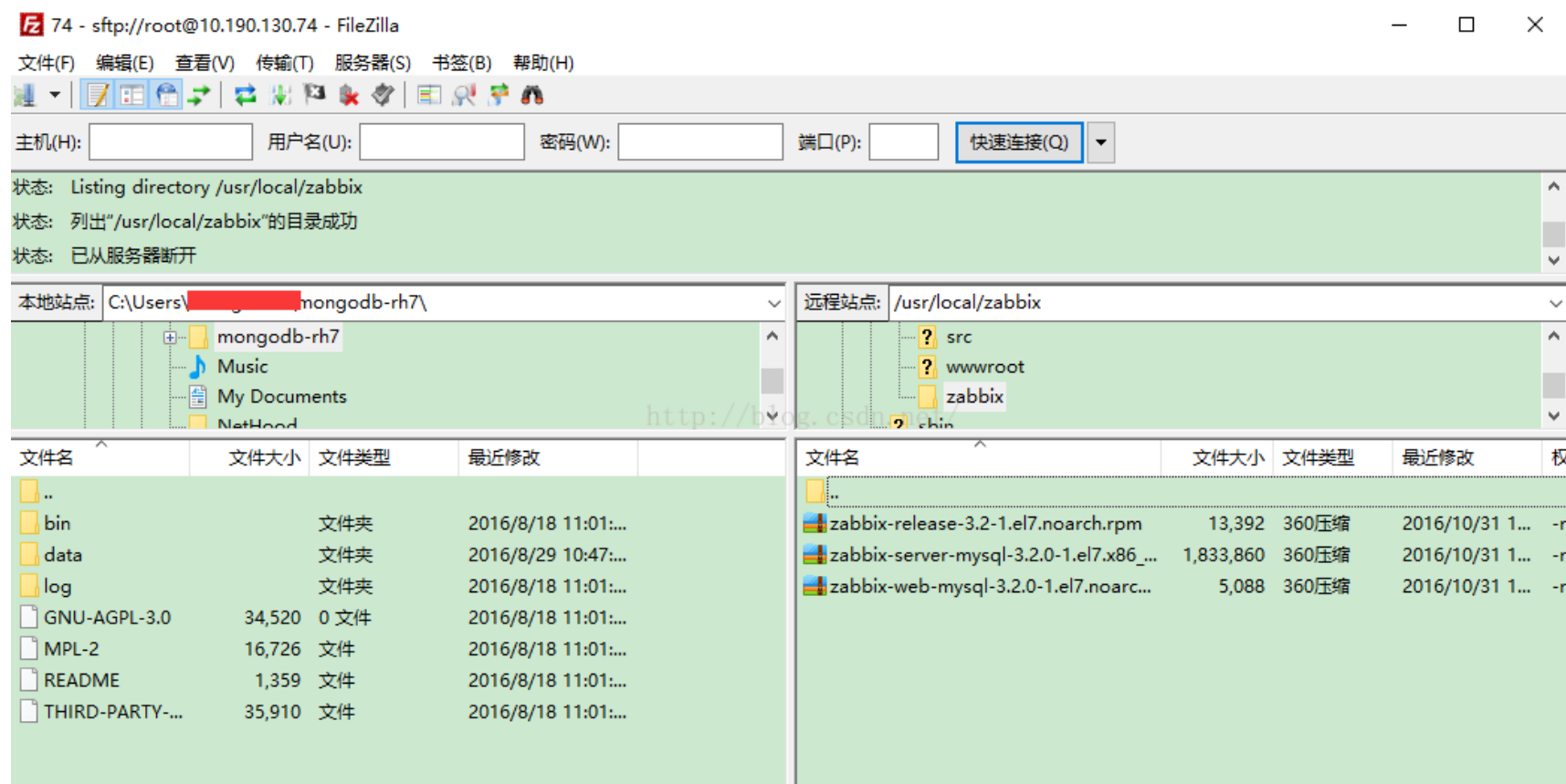
Index of /zabbix/3.2/rhel/7/x86_64

Name	Last modified	Size	Description
 Parent Directory		-	
 repodata/	2016-10-03 15:55	-	
 zabbix-agent-3.2.0-1.el7.x86_64.rpm	2016-09-14 02:20	333K	安装在被监控的服务器
 zabbix-agent-3.2.1-1.el7.x86_64.rpm	2016-10-03 15:55	334K	
 zabbix-get-3.2.0-1.el7.x86_64.rpm	2016-09-14 02:20	232K	
 zabbix-get-3.2.1-1.el7.x86_64.rpm	2016-10-03 15:55	233K	
 zabbix-java-gateway-3.2.0-1.el7.x86_64.rpm	2016-09-14 02:20	712K	
 zabbix-java-gateway-3.2.1-1.el7.x86_64.rpm	2016-10-03 15:55	713K	
 zabbix-proxy-mysql-3.2.0-1.el7.x86_64.rpm	2016-09-14 02:20	627K	
 zabbix-proxy-mysql-3.2.1-1.el7.x86_64.rpm	2016-10-03 15:55	629K	
 zabbix-proxy-pgsql-3.2.0-1.el7.x86_64.rpm	2016-09-14 02:20	627K	
 zabbix-proxy-pgsql-3.2.1-1.el7.x86_64.rpm	2016-10-03 15:55	629K	
 zabbix-proxy-sqlite3-3.2.0-1.el7.x86_64.rpm	2016-09-14 02:20	608K	
 zabbix-proxy-sqlite3-3.2.1-1.el7.x86_64.rpm	2016-10-03 15:55	609K	
 zabbix-release-3.2-1.el7.noarch.rpm	2016-09-14 15:00	13K	
 zabbix-sender-3.2.0-1.el7.x86_64.rpm	2016-09-14 02:20	242K	安装在同一台服务器
 zabbix-sender-3.2.1-1.el7.x86_64.rpm	2016-10-03 15:55	243K	
 zabbix-server-mysql-3.2.0-1.el7.x86_64.rpm	2016-09-14 02:20	1.7M	安装在同一台服务器
 zabbix-server-mysql-3.2.1-1.el7.x86_64.rpm	2016-10-03 15:55	1.8M	
 zabbix-server-pgsql-3.2.0-1.el7.x86_64.rpm	2016-09-14 02:20	1.7M	
 zabbix-server-pgsql-3.2.1-1.el7.x86_64.rpm	2016-10-03 15:55	1.8M	
 zabbix-web-3.2.0-1.el7.noarch.rpm	2016-09-14 02:20	3.6M	
 zabbix-web-3.2.1-1.el7.noarch.rpm	2016-10-03 15:55	3.6M	
 zabbix-web-japanese-3.2.0-1.el7.noarch.rpm	2016-09-14 02:20	5.4K	

	zabbix-web-japanese-3.2.1-1.el7.noarch.rpm	2016-10-03 15:55	5.6K
	zabbix-web-mysql-3.2.0-1.el7.noarch.rpm	2016-09-14 02:20	5.0K
	zabbix-web-mysql-3.2.1-1.el7.noarch.rpm	2016-10-03 15:55	5.1K
	zabbix-web-pgsql-3.2.0-1.el7.noarch.rpm	2016-09-14 02:20	5.0K
	zabbix-web-pgsql-3.2.1-1.el7.noarch.rpm	2016-10-03 15:55	5.2K

上传zabbix安装包到服务器

通过FTP工具，将文件上传到服务器：



zabbix-release-3.2-1.el7.noarch.rpm

zabbix-server-mysql-3.2.0-1.el7.x86_64.rpm

zabbix-web-mysql-3.2.0-1.el7.noarch.rpm

```
[root@localhost zabbix]# pwd
/usr/local/zabbix
[root@localhost zabbix]# ls -l
total 1816
-rw-r--r--. 1 root root 13392 Oct 31 16:00 zabbix-release-3.2-1.el7.noarch.rpm
-rw-r--r--. 1 root root 1833860 Oct 31 16:00 zabbix-server-mysql-3.2.0-1.el7.x86_64.rpm
-rw-r--r--. 1 root root 5088 Oct 31 16:00 zabbix-web-mysql-3.2.0-1.el7.noarch.rpm
[root@localhost zabbix]#
```

在cd /user/local/zabbix目录下可以看到上传的文件。

文件授权

由于RPM文件没有执行权限，所以进行授权操作。

```
total 1816
-rw-r--r--. 1 root root 13392 Oct 31 16:00 zabbix-release-3.2-1.el7.noarch.rpm
-rw-r--r--. 1 root root 1833860 Oct 31 16:00 zabbix-server-mysql-3.2.0-1.el7.x86_64.rpm
-rw-r--r--. 1 root root 5088 Oct 31 16:00 zabbix-web-mysql-3.2.0-1.el7.noarch.rpm
[root@localhost zabbix]# chmod 766 zabbix-release-3.2-1.el7.noarch.rpm
[root@localhost zabbix]# chmod 766 zabbix-server-mysql-3.2.0-1.el7.x86_64.rpm
[root@localhost zabbix]# chmod 766 zabbix-web-mysql-3.2.0-1.el7.noarch.rpm
[root@localhost zabbix]# ls -l
total 1816
-rwxr--r--. 1 root root 13392 Oct 31 16:00 zabbix-release-3.2-1.el7.noarch.rpm
-rwxr--r--. 1 root root 1833860 Oct 31 16:00 zabbix-server-mysql-3.2.0-1.el7.x86_64.rpm
-rwxr--r--. 1 root root 5088 Oct 31 16:00 zabbix-web-mysql-3.2.0-1.el7.noarch.rpm
[root@localhost zabbix]#
```

文件授权命令：

chmod 766zabbix-release-3.2-1.el7.noarch.rpm

chmod 766zabbix-server-mysql-3.2.0-1.el7.x86_64.rpm

chmod 766zabbix-web-mysql-3.2.0-1.el7.noarch.rpm

安装zabbix

使用离线安装命令进行安装zabbix

```
rpm -ivh zabbix-server-mysql-3.2.0-1.el7.x86_64.rpm
```

除了使用zabbix离线安装包进行安装，当然也可以在线安装zabbix。

在线安装命令：

```
rpm -ivh http://repo.zabbix.com/zabbix/3.2/rhel/7/x86\_64/zabbix-release-3.2-1.el7.noarch.rpm
```

```
[root@localhost zabbix]# rpm -ivh zabbix-release-3.2-1.el7.noarch.rpm
warning: zabbix-release-3.2-1.el7.noarch.rpm: Header V4 RSA/SHA512 Signature, key ID a14fe591: NOKEY
Preparing... ##### [100%]
Updating / installing... http://blog.csdn.net/
1:zabbix-release-3.2-1.el7 ##### [100%]
```

在线安装的官方参考地址：

https://www.zabbix.com/documentation/3.2/manual/installation/install_from_packages/repository_installation



Zabbix documentation

[-] Zabbix Manual

- [-] 1. Introduction
- [-] 2. Zabbix concepts
- [-] 3. Installation
 - 1 Getting Zabbix
 - 2 Requirements
 - [-] 3 Installation from packages
 - 1 Repository installation**
 - 2 Server installation with M
 - 3 Server installation with P
 - 4 Agent installation
 - 5 Proxy installation
 - 4 Installation from sources
 - 5 Installation from containers
 - 6 Upgrade procedure
 - 7 Known issues
 - 8 Template changes
 - 9 Upgrade notes for 3.2.0
 - 10 Upgrade notes for 3.2.2
- [-] 4. Quickstart

1 Repository installation

For Red Hat Enterprise Linux / CentOS

Supported versions

- RHEL 7 <http://blog.csdn.net/>
- Oracle Linux 7
- CentOS 7

Some packages (agent, proxy, etc) are available for RHEL 5 and RHEL 6, too.

Installing repository configuration package

Install the repository configuration package. This package contains yum configuration files.

```
# rpm -ivh http://repo.zabbix.com/zabbix/3.2/rhel/7/x86_64/zabbix-release-3.2-1.el7.noarch.rpm
```

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- ♦ For Ubuntu
 - ♦ Supported versions
 - ♦ Installing repository configuration package

官方提供的下载安装方式

```
[root@localhost zabbix]# yum install zabbix-server-mysql zabbix-web-mysql
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: centos.ustc.edu.cn
 * extras: centos.ustc.edu.cn
 * updates: centos.ustc.edu.cn
Resolving Dependencies
There are unfinished transactions remaining. You might consider running yum-complete-transaction, or "yum-complete-transaction --c
leanup-only" and "yum history redo last", first to finish them. If those don't work you'll have to try removing/installing package
s by hand (maybe package-cleanup can help).
The program yum-complete-transaction is found in the yum-utils package.
--> Running transaction check
--> Package zabbix-server-mysql.x86_64 0:3.2.1-1.el7 will be installed
--> Processing Dependency: fping for package: zabbix-server-mysql-3.2.1-1.el7.x86_64
--> Processing Dependency: libiksemel.so.3()(64bit) for package: zabbix-server-mysql-3.2.1-1.el7.x86_64
--> Processing Dependency: libOpenIPMIposix.so.0()(64bit) for package: zabbix-server-mysql-3.2.1-1.el7.x86_64
--> Processing Dependency: libOpenIPMI.so.0()(64bit) for package: zabbix-server-mysql-3.2.1-1.el7.x86_64
--> Package zabbix-web-mysql.noarch 0:3.2.1-1.el7 will be installed
--> Processing Dependency: zabbix-web = 3.2.1-1.el7 for package: zabbix-web-mysql-3.2.1-1.el7.noarch
--> Running transaction check
--> Package OpenIPMI-libs.x86_64 0:2.0.19-11.el7 will be installed
--> Processing Dependency: OpenIPMI-modalias = 2.0.19-11.el7 for package: OpenIPMI-libs-2.0.19-11.el7.x86_64
--> Package fping.x86_64 0:3.10-1.el7 will be installed
--> Package iksemel.x86_64 0:1.4-2.el7.centos will be installed
--> Package zabbix-web.noarch 0:3.2.1-1.el7 will be installed
--> Processing Dependency: php-mbstring for package: zabbix-web-3.2.1-1.el7.noarch
--> Processing Dependency: dejavu-sans-fonts for package: zabbix-web-3.2.1-1.el7.noarch
--> Processing Dependency: php-bcmath for package: zabbix-web-3.2.1-1.el7.noarch
--> Running transaction check
--> Package OpenIPMI-modalias.x86_64 0:2.0.19-11.el7 will be installed
--> Package dejavu-sans-fonts.noarch 0:2.33-6.el7 will be installed
--> Processing Dependency: dejavu-fonts-common = 2.33-6.el7 for package: dejavu-sans-fonts-2.33-6.el7.noarch
--> Package php-bcmath.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Package php-mbstring.x86_64 0:5.4.16-36.3.el7_2 will be installed
--> Running transaction check
--> Package dejavu-fonts-common.noarch 0:2.33-6.el7 will be installed
--> Processing Dependency: fontpackages-filesystem for package: dejavu-fonts-common-2.33-6.el7.noarch
--> Running transaction check
--> Package fontpackages-filesystem.noarch 0:1.44-8.el7 will be installed
--> Finished Dependency Resolution

Dependencies Resolved
```

```
Dependencies Resolved

=====
Package                               Arch             Version          Repository        Size
=====
Installing:
zabbix-server-mysql                   x86_64           3.2.1-1.el7      zabbix            1.8 M
zabbix-web-mysql                       noarch           3.2.1-1.el7      zabbix            5.1 k
Installing for dependencies:
OpenIPMI-libs                         x86_64           2.0.19-11.el7    base              501 k
OpenIPMI-modalias                     x86_64           2.0.19-11.el7    base              15 k
dejavu-fonts-common                   noarch           2.33-6.el7       base              64 k
dejavu-sans-fonts                     noarch           2.33-6.el7       base              1.4 M
fontpackages-filesystem               noarch           1.44-8.el7       base              9.9 k
fping                                 x86_64           3.10-1.el7       zabbix-non-supported 40 k
iksemel                               x86_64           1.4-2.el7.centos zabbix-non-supported 49 k
php-bcmath                            x86_64           5.4.16-36.3.el7_2 updates           56 k
php-mbstring                          x86_64           5.4.16-36.3.el7_2 updates          504 k
zabbix-web                             noarch           3.2.1-1.el7      zabbix            3.6 M
=====

Transaction Summary
=====
Install 2 Packages (+10 Dependent packages)

Total download size: 8.0 M
Installed size: 43 M
Is this ok [y/d/N]: █
```



需要下载多个依赖的安装包

由于安装zabbix-server-mysql-3.2.0-1.el7.x86_64.rpm和

zabbix-web-mysql-3.2.0-1.el7.noarch.rpm需要下载多个依赖安装包，所以精选在线安装下载，可避免繁琐的下载工作。官方的在线安装参考地址：

创建数据库初始化

```
[root@localhost ~]# mysql -uroot -p  
Enter password:  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 20502  
Server version: 5.7.12 MySQL Community Server (GPL)  
  
Copyright (c) 2000, 2016, 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> 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'@'%' identified by '123qweQWE';  
Query OK, 0 rows affected, 1 warning (0.00 sec)  
  
mysql> flush privileges;  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> █
```

连接数据库后，创建zabbix数据库，并对数据库进行授权。

mysql -uroot -p

create database zabbix character set utf8 collate utf8_bin;

grant all privileges on zabbix.* to 'zabbix'@'%' identified by '123qweQWE';

注意：@后面如果是localhost的话，只能本地访问数据库服务器，如果是%，访问不受限制。


```

[root@localhost zabbix-server-mysql-3.2.1]# pwd
/usr/share/doc/zabbix-server-mysql-3.2.1
[root@localhost zabbix-server-mysql-3.2.1]# ls -l
total 1864
-rw-r--r--. 1 root root    98 Sep 30 17:42 AUTHORS
-rw-r--r--. 1 root root 711348 Sep 30 17:42 ChangeLog
-rw-r--r--. 1 root root 17990 Sep 30 17:43 COPYING
-rw-r--r--. 1 root root 1161201 Oct  3 12:56 create.sql.gz
-rw-r--r--. 1 root root   52 Sep 30 17:43 NEWS
-rw-r--r--. 1 root root   188 Sep 30 17:42 README
[root@localhost zabbix-server-mysql-3.2.1]# chmod 766 create.sql.gz
[root@localhost zabbix-server-mysql-3.2.1]# ls -l
total 1864
-rw-r--r--. 1 root root    98 Sep 30 17:42 AUTHORS
-rw-r--r--. 1 root root 711348 Sep 30 17:42 ChangeLog
-rw-r--r--. 1 root root 17990 Sep 30 17:43 COPYING
-rwxr--r--. 1 root root 1161201 Oct  3 12:56 create.sql.gz
-rw-r--r--. 1 root root   52 Sep 30 17:43 NEWS
-rw-r--r--. 1 root root   188 Sep 30 17:42 README
[root@localhost zabbix-server-mysql-3.2.1]#

```

输入`cd /usr/share/doc/zabbix-server-mysql-3.2.1`命令进入到目录下，修改`create.sql.gz`文件的权限，授权可执行权限。`create.sql.gz`文件是安装`zabbix-server-mysql-3.2.0-1.el7.x86_64.rpm`时，产生的文件。

```

[root@localhost zabbix-server-mysql-3.2.1]# pwd
/usr/share/doc/zabbix-server-mysql-3.2.1
[root@localhost zabbix-server-mysql-3.2.1]# ls -l
total 1864
-rw-r--r--. 1 root root    98 Sep 30 17:42 AUTHORS
-rw-r--r--. 1 root root 711348 Sep 30 17:42 ChangeLog
-rw-r--r--. 1 root root 17990 Sep 30 17:43 COPYING
-rwxr--r--. 1 root root 1161201 Oct  3 12:56 create.sql.gz
-rw-r--r--. 1 root root   52 Sep 30 17:43 NEWS
-rw-r--r--. 1 root root   188 Sep 30 17:42 README
[root@localhost zabbix-server-mysql-3.2.1]# zcat create.sql.gz | mysql -h 10.190.130.73 -uzabbix -p123qweQWE zabbix;
[root@localhost zabbix-server-mysql-3.2.1]#

```

输入命令，连接远程的数据库，执行本地的`create.sql.gz`文件，初始化数据库脚本。

`zcat create.sql.gz | mysql -h 10.190.130.73 -uzabbix -p123qweQWE zabbix;`

zcat/usr/share/doc/zabbix-server-mysql-3.2.1目录的create.sql.gz文件| mysql -h 远程数据库地址 -r用户名 -p密码 数据库名称。

参考地址：

连接远程的数据库，可以查看到zabbix数据库下的所有表。

配置zabbix_server.conf服务

```
[root@localhost zabbix-server-mysql-3.2.1]# whereis zabbix
zabbix: /usr/lib/zabbix /etc/zabbix /usr/local/zabbix /usr/share/zabbix
[root@localhost zabbix-server-mysql-3.2.1]# cd /etc/zabbix
[root@localhost zabbix]# ls -l
total 16
drwxr-x---. 2 apache apache 32 Oct 31 16:19 web
-rw-r-----. 1 root  zabbix 14876 Oct  3 13:02 zabbix_server.conf
[root@localhost zabbix]#
```

输入cd /etc/zabbix/命令进入到目录下，再输入ls -l命令后，可看到zabbix_server.conf文件。

```
[root@localhost zabbix]# vi /etc/zabbix/zabbix_server.conf
[root@localhost zabbix]#
```

或者也可以输入vi /etc/zabbix/zabbix_server.conf命令进行编辑文件，对数据库进行配置。

```
### Option: DBHost
# Database host name.
# If set to localhost, socket is used for MySQL.
# If set to empty string, socket is used for PostgreSQL.
#
# Mandatory: no
# Default:
# DBHost=localhost
DBHost=10.190.130.73 ➡ 数据库的服务器IP地址

### Option: DBName
# Database name.
# For SQLite3 path to database file must be provided. DBUser and DBPassword are ignored.
#
# Mandatory: yes
# Default:
# DBName=

DBName=zabbix ➡ 数据库名称

### Option: DBSchema
# Schema name. Used for IBM DB2 and PostgreSQL.
#
# Mandatory: no
# Default:
# DBSchema=

### Option: DBUser
# Database user. Ignored for SQLite. https://blog.csdn.net/
#
# Mandatory: no
# Default:
# DBUser=

#DBUser=zabbix
DBUser=zabbix ➡ 登录数据库的用户名

### Option: DBPassword
# Database password. Ignored for SQLite.
# Comment this line if no password is used.
#
# Mandatory: no
# Default:
# DBPassword=
DBPassword=123qweQWE ➡ 登录数据库的密码

### Option: DBSocket
# Path to MySQL socket
```

```
# Path to MySQL socket.
#
# Mandatory: no
# Default:
# DBSocket=/tmp/mysql.sock
### Option: DBPort
Database port when not using local socket. Ignored for SQLite.
```

```
### Option: DBSocket
# Path to MySQL socket.
#
# Mandatory: no
# Default:
# DBSocket=/tmp/mysql.sock
### Option: DBPort
Database port when not using local socket. Ignored for SQLite.
#
# Mandatory: no
# Range: 1024-65535
# Default (for MySQL):
# DBPort=3306
```

<http://blog.csdn.net/>

启动DBSocket

启动数据库端口

```
### Option: ListenIP
# List of comma delimited IP addresses that the trapper should listen on.
# Trapper will listen on all network interfaces if this parameter is missing.
#
# Mandatory: no
# Default:
# ListenIP=0.0.0.0
ListenIP=127.0.0.1
```

<http://blog.csdn.net/>

启动ListenIP

编辑zabbix_server.conf文件，配置参数后进行保存文件，配置参数如下：

DBHost=10.190.130.73

DBName=zabbix

DBUser=zabbix

DBPassword=123qweQWE

DBSocket=/tmp/mysql.sock

DBPort=3306

ListenIP=127.0.0.1

请参考官方文档：

配置zabbix前端的PHP配置

```
[root@localhost conf.d]# pwd
/etc/httpd/conf.d
[root@localhost conf.d]# ls -l
total 24
-rw-r--r--. 1 root root 2926 Jul 18 23:30 autoindex.conf
-rw-r--r--. 1 root root 691 Aug 12 05:27 php.conf
-rw-r--r--. 1 root root 366 Jul 18 23:30 README
-rw-r--r--. 1 root root 1252 Jul 18 23:22 userdir.conf
-rw-r--r--. 1 root root 824 Jul 18 23:22 welcome.conf
-rw-r--r--. 1 root root 831 Oct 3 12:37 zabbix.conf
[root@localhost conf.d]# vi /etc/httpd/conf.d/zabbix.conf
[root@localhost conf.d]#
```

进入到/etc/httpd/conf.d目录下或者直接输入vi /etc/httpd/conf.d/zabbix.conf命令进行编辑文件。

```
<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 always_populate_raw_post_data -1
        # php_value date.timezone Europe/Riga
        php_value date.timezone Asia/Shanghai
    </IfModule>
</Directory>
```

配置如下：

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 always_populate_raw_post_data -1

php_value date.timezone Asia/Shanghai

启动zabbix-server服务

```
[root@localhost conf.d]# systemctl start zabbix-server
[root@localhost conf.d]# systemctl status zabbix-server
● zabbix-server.service - Zabbix Server
   Loaded: loaded (/usr/lib/systemd/system/zabbix-server.service; disabled; vendor preset: disabled)
   Active: active (running) since Tue 2016-11-01 14:16:30 CST; 2s ago
     Process: 28526 ExecStop=/bin/kill -SIGTERM $MAINPID (code=exited, status=0/SUCCESS)
     Process: 28535 ExecStart=/usr/sbin/zabbix_server -c $CONFFILE (code=exited, status=0/SUCCESS)
    Main PID: 28537 (zabbix_server)
      CGroup: /system.slice/zabbix-server.service
              └─28537 /usr/sbin/zabbix_server -c /etc/zabbix/zabbix_server.conf

Nov 01 14:16:30 localhost.localdomain systemd[1]: Starting Zabbix Server...
Nov 01 14:16:30 localhost.localdomain systemd[1]: PID file /run/zabbix/zabbix_server.pid not readable (yet?) after start.
Nov 01 14:16:30 localhost.localdomain systemd[1]: Started Zabbix Server.
[root@localhost conf.d]# 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 conf.d]#
```

systemctl start zabbix-server #启动zabbix-server服务

systemctl status zabbix-server #查看zabbix-server的服务状态

systemctl enable zabbix-server #设置开机启动服务

启动httpd服务

```
[root@localhost conf.d]# systemctl start httpd
[root@localhost conf.d]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
   Active: active (running) since Tue 2016-11-01 14:20:47 CST; 4s ago
     Docs: man:httpd(8)
           man:apachectl(8)
  Main PID: 28570 (httpd)
    Status: "Processing requests..."
    CGroup: /system.slice/httpd.service
            └─28570 /usr/sbin/httpd -DFOREGROUND
              └─28572 /usr/sbin/httpd -DFOREGROUND
                └─28573 /usr/sbin/httpd -DFOREGROUND
                  └─28574 /usr/sbin/httpd -DFOREGROUND
                    └─28575 /usr/sbin/httpd -DFOREGROUND
                      └─28576 /usr/sbin/httpd -DFOREGROUND

Nov 01 14:20:46 localhost.localdomain systemd[1]: Starting The Apache HTTP Server...
Nov 01 14:20:46 localhost.localdomain httpd[28570]: AH00558: httpd: Could not reliably determine the server's fully qualif...ssage
Nov 01 14:20:47 localhost.localdomain systemd[1]: Started The Apache HTTP Server.
Hint: Some lines were ellipsized, use -l to show in full.
[root@localhost conf.d]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@localhost conf.d]#
```

systemctl start httpd #启动httpd服务器

systemctl status httpd #查看httpd服务器状态

systemctl enable httpd #设置httpd开机启动服务

注意：配置完成zabbix-server和httpd服务成功后，需要重启服务器。

登录zabbix页面

```
[root@localhost ~]# netstat -ntlp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN      1318/sshd
tcp        0      0 127.0.0.1:25            0.0.0.0:*               LISTEN      2171/master
tcp        0      0 0.0.0.0:10051           0.0.0.0:*               LISTEN      2726/zabbix_server
tcp6       0      0 :::80                   :::*                    LISTEN      1323/httpd
tcp6       0      0 :::22                   :::*                    LISTEN      1318/sshd
tcp6       0      0 :::1:25                 :::*                    LISTEN      2171/master
tcp6       0      0 :::10051                 :::*                    LISTEN      2726/zabbix_server
[root@localhost ~]#
```

输入netstat -ntlp命令，检查zabbix-server和httpd是否已经成功启动。启动成功后，

在浏览器中输入：<http://10.190.130.74/zabbix/>进入到安装页面。

可参考官方配置文档：

点击Next step按钮。

10.190.130.74/zabbix/setup.php

ZABBIX

Welcome

Check of pre-requisites

Configure DB connection

Zabbix server details

Pre-installation summary

Install

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 SQLite3		OK
PHP bcmath	on		OK
PHP mbstring	on		OK

Back

Next step

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进行配置检查，所有的选项通过后，点击Next step按钮。

← → ↻ ⓘ 10.190.130.74/zabbix/setup.php

ZABBIX

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

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	10.190.130.73
Database port	3306 0 - use default port
Database name	zabbix
User	zabbix
Password

数据库服务器IP地址

密码为123qweQWE

[Back](#) [Next step](#)

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输入数据库配置信息后，点击Next step按钮。如果出现配置错误，可能出现无法连接数据库。

← → ↻

10.190.130.74/zabbix/setup.php

🔑 📄 ☆

ZABBIX

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

localhost

Port

10051

Name

zabbix

http://blog.csdn.net/

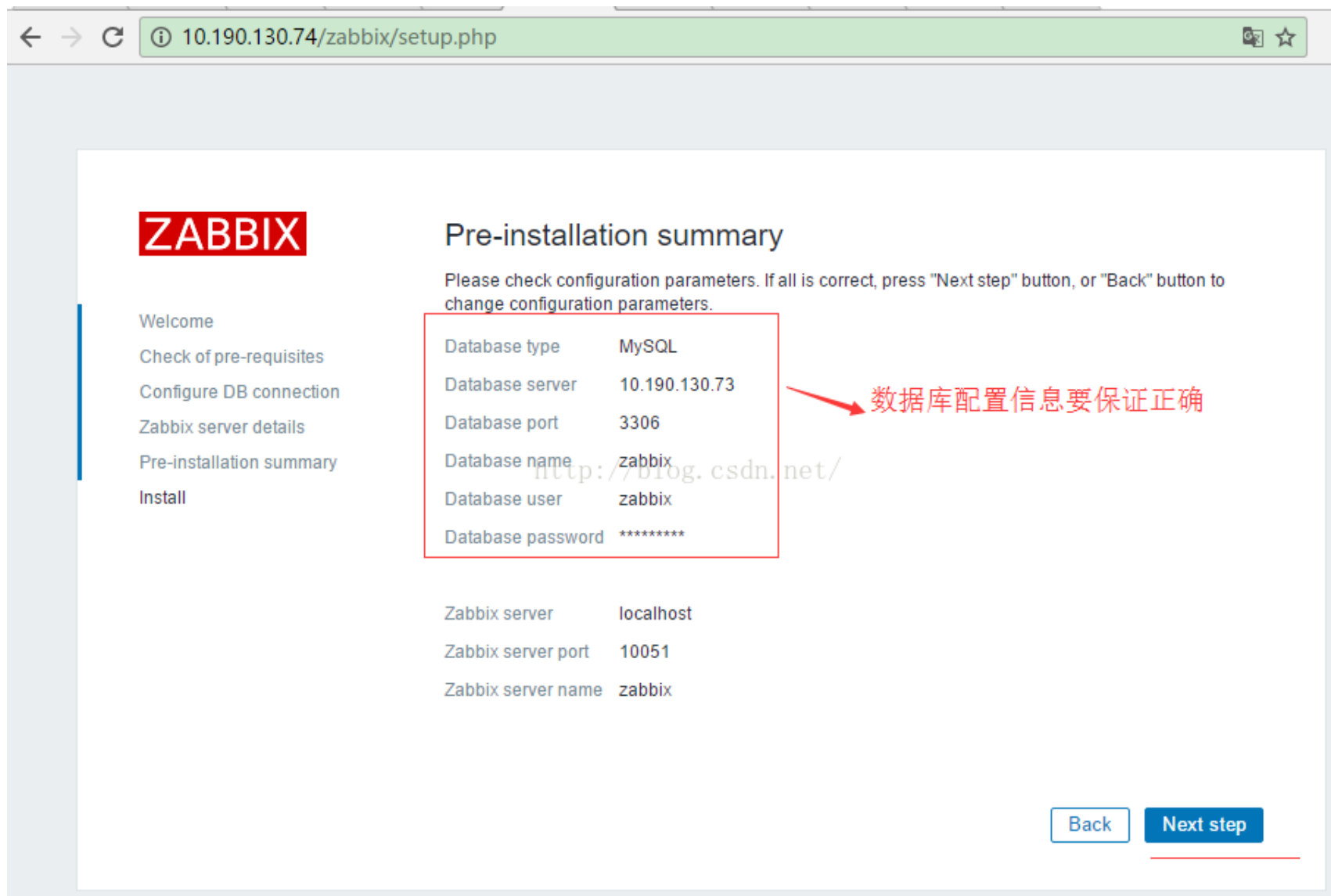
Back

Next step

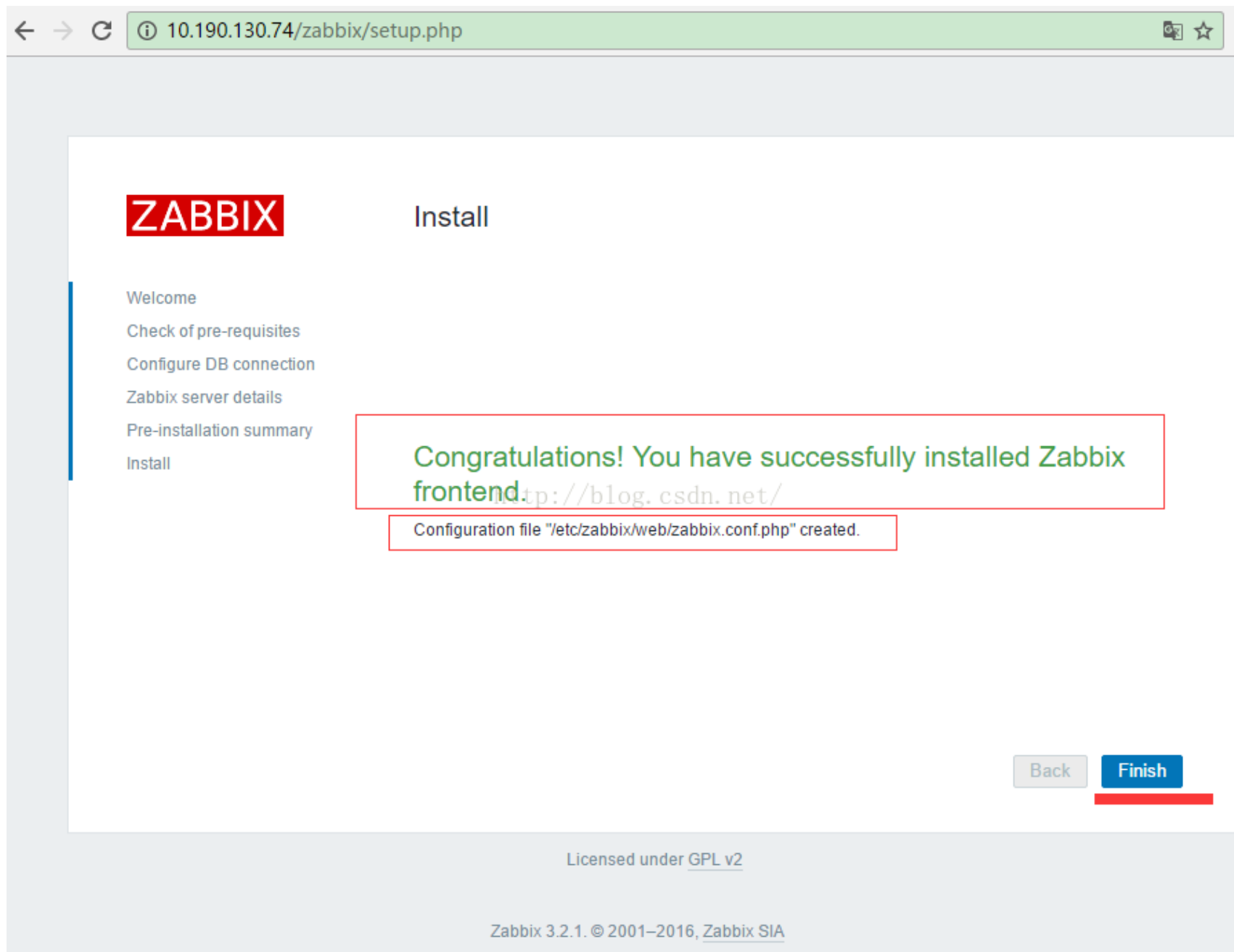
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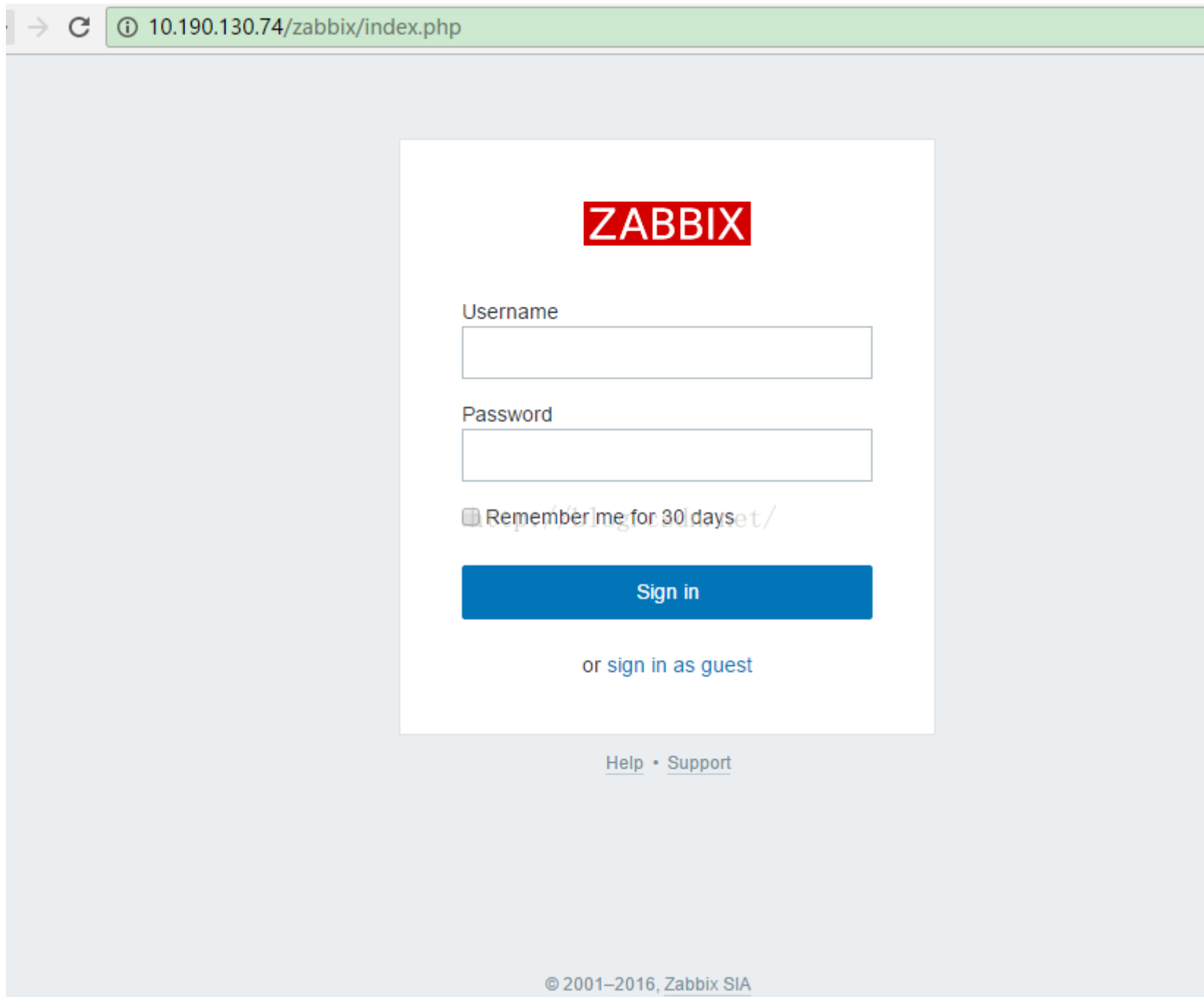
输入Name后，点击Next step按钮。



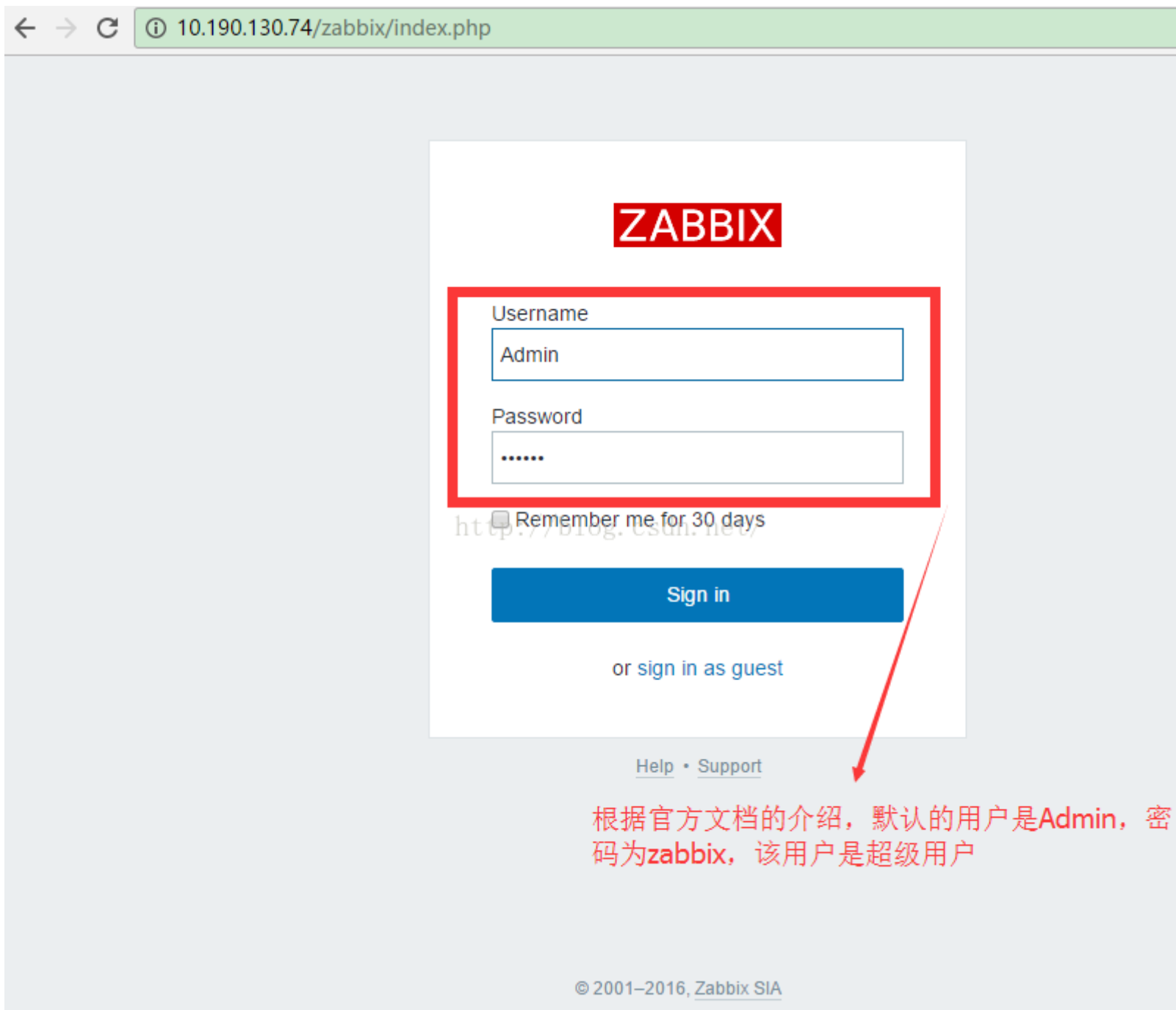
点击Next step按钮。



配置成功后，点击Finish按钮。



点击Finish按钮后，跳转到登录界面。



根据官方文档的介绍，默认的用户是Admin，密码为zabbix，该用户是超级用户，输入登录信息后，点击Sign In按钮，进行登录。

← → ↻ 10.190.130.74/zabbix/zabbix.php?action=dashboard.view 🔑 🖨️ ☆ ⋮

ZABBIX Monitoring Inventory Reports Configuration Administration 🔍 Z Share ? 👤 ⏻

Dashboard Problems Overview Web Latest data Triggers Graphs Screens Maps Discovery IT services zabbix

Dashboard

Favourite graphs

No graphs added.

[Graphs](#)

Favourite screens

No screens added.

[Screens](#) [Slide shows](#)

Favourite maps

No maps added.

[Maps](#)

Status of Zabbix

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled/templates)	39	0 / 1 / 38
Number of items (enabled/disabled/not supported)	0	0 / 0 / 0
Number of triggers (enabled/disabled [problem/ok])	0	0 / 0 [0 / 0]
Number of users (online)	2	1
Required server performance, new values per second	0	

Updated: 14:05:19

System status

Host group	Disaster	High	Average	Warning	Information	Not classified
No data found.						

Updated: 14:05:19

Host status

Host group	Without problems	With problems	Total
No data found.			

Updated: 14:05:19

登录成功后的页面。

← → ↻ 10.190.130.74/zabbix/profile.php ⓘ ☆ ⋮

ZABBIX Monitoring Inventory Reports Configuration Administration 🔍 Z Share ? ⓘ ⏻

zabbix

User profile: Zabbix Administrator

User Media Messaging

Password

Language English (en_GB) ▼

Theme English (en_US)
Chinese (zh_CN)
Czech (cs_CZ)
French (fr_FR)
Italian (it_IT)
Korean (ko_KR)
Japanese (ja_JP)
Polish (pl_PL)
Portuguese (pt_BR)
Russian (ru_RU)
Slovak (sk_SK)
Ukrainian (uk_UA)

Auto-login

Auto-logout (min 90 seconds)

Refresh (in seconds)

Rows per page

URL (after login)

2.选择Chinese(zh_CN)

3.点击Update按钮

http://blog.csdn.net/

Zabbix 3.2.1. © 2001–2016, Zabbix SIA

如果不习惯英文界面，可切换语言显示成中文。

← → ↻ 10.190.130.74/zabbix/zabbix.php?action=dashboard.view ☆ ⋮

ZABBIX 监测中 资产记录 报表 配置 管理 🔍 Z Share ? 👤 ⏻

仪表板 问题 概述 **Web监测** 最新数据 触发器 图形 聚合图形 拓扑图 自动发现 IT服务 zabbix

仪表板

常用的图形

未添加数据图.

图形

常用的聚合图形

未添加聚合图形.

聚合图形 幻灯片演示

常用的拓扑图

未添加拓扑图.

拓扑图

Zabbix状态

参数	值	细节
Zabbix服务器端运行中	是	localhost:10051
主机数量 (已启用/已禁用/模板)	39	0 / 1 / 38
监控项数量 (已启用/已禁用/不支持)	0	0 / 0 / 0
触发器数量 (已启用/已禁用 [问题/正常])	0	0 / 0 [0 / 0]
用户数(线上)	2	1
要求的主机性能, 每秒新值	0	

已更新: 14:09:08

系统状态

主机群组	灾难	严重	一般严重	警告	信息	未分类
未发现数据						

已更新: 14:09:08

主机状态

主机群组	无问题	有问题	合计
未发现数据			

已更新: 14:09:08

中文页面显示。

请参考官方文档：

安装配置zabbix-agent服务

安装zabbix-agent服务

Zabbix-agent是在安装被监控的服务器中，用来收集数据。

安装步骤可参考官方文档：

输入yum install zabbix-agent后，提示无法在线安装，是因为缺少安装源。

```

[root@localhost ~]# rpm -ivh http://repo.zabbix.com/zabbix/3.2/rhel/7/x86_64/zabbix-release-3.2-1.el7.noarch.rpm
Retrieving http://repo.zabbix.com/zabbix/3.2/rhel/7/x86_64/zabbix-release-3.2-1.el7.noarch.rpm
warning: /var/tmp/rpm-tmp.2ixqIc: Header V4 RSA/SHA512 Signature, key ID a14fe591: NOKEY
Preparing... ##### [100%]
Updating / installing...
 1:zabbix-release-3.2-1.el7 ##### [100%]
[root@localhost ~]# yum install zabbix-agent
Loaded plugins: fastestmirror
zabbix
zabbix-non-supported
(1/2): zabbix/x86_64/primary
(2/2): zabbix-non-supported/x86_64/primary
Loading mirror speeds from cached hostfile
 * base: mirrors.163.com
 * extras: mirrors.163.com
 * updates: mirrors.163.com
zabbix
zabbix-non-supported
Resolving Dependencies
--> Running transaction check
--> Package zabbix-agent.x86_64 0:3.2.1-1.el7 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package                                Arch                                Version
=====
Installing:
zabbix-agent                          x86_64                             3.2.1-1.el7

Transaction Summary
=====
Install 1 Package

Total download size: 334 k
Installed size: 1.1 M
Is this ok [y/d/N]: y
Downloading packages:
warning: /var/cache/yum/x86_64/7/zabbix/packages/zabbix-agent-3.2.1-1.el7.x86_64.rpm: Header V4 RSA/SHA512 Signature, key ID a14fe
Public key for zabbix-agent-3.2.1-1.el7.x86_64.rpm is not installed
zabbix-agent-3.2.1-1.el7.x86_64.rpm

```

<http://blog.csdn.net/>

所以先输入另外一个命令进行安装，安装成功后，在进行安装agent服务。

rpm -ivh http://repo.zabbix.com/zabbix/3.2/rhel/7/x86_64/zabbix-release-3.2-1.el7.noarch.rpm

yum install zabbix-agent

配置zabbix-agent服务

Zabbix-agent进行简单配置，只需要修改zabbixagent配置文件中的Server、ServerActive和Hostname这三项即可。其中Server、ServerActive是zabbix server服务器的IP地址，Hostname是被监控端的IP地址

```
[root@localhost zabbix]# pwd
/etc/zabbix
[root@localhost zabbix]# ls -l
total 12
-rw-r--r--. 1 root root 10347 Oct 3 13:02 zabbix_agentd.conf
drwxr-xr-x. 2 root root 4096 Nov 2 14:25 zabbix_agentd.d
[root@localhost zabbix]# vi /etc/zabbix/zabbix_agentd.conf
[root@localhost zabbix]#
```

在输入vi /etc/zabbix/zabbix_agentd.conf命令进行编辑zabbix_agentd.conf文件。

Server=10.190.130.74

配置zabbix-server服务器的IP地址

```
### Option: ListenPort
#   Agent will listen on this port for connections from the server.
#
# Mandatory: no
# Range: 1024-32767
# Default:
# ListenPort=10050

### Option: ListenIP
#   List of comma delimited IP addresses that the agent should listen on.
#   First IP address is sent to Zabbix server if connecting to it to retrieve list of active checks.
#
# Mandatory: no
# Default:
# ListenIP=0.0.0.0

### Option: StartAgents
#   Number of pre-forked instances of zabbix_agentd that process passive checks.
#   If set to 0, disables passive checks and the agent will not listen on any TCP port.
#
# Mandatory: no
# Range: 0-100
# Default:
# StartAgents=3
```

Active checks related

<http://blog.csdn.net/>

```
### Option: ServerActive
#   List of comma delimited IP:port (or hostname:port) pairs of Zabbix servers for active checks.
#   If port is not specified, default port is used.
#   IPv6 addresses must be enclosed in square brackets if port for that host is specified.
#   If port is not specified, square brackets for IPv6 addresses are optional.
#   If this parameter is not specified, active checks are disabled.
#   Example: ServerActive=127.0.0.1:20051,zabbix.domain,[::1]:30051,::1,[12fc::1]
#
# Mandatory: no
# Default:
# ServerActive=
```

ServerActive=10.190.130.74

配置zabbix-server服务器的IP地址

```
### Option: Hostname
#   Unique, case sensitive hostname.
#   Required for active checks and must match hostname as configured on the server.
#   Value is acquired from HostnameItem if undefined.
```

```
#  
# Mandatory: no  
# Default:  
# Hostname=  
Hostname=10.190.130.28
```

配置zabbix-agent的IP地址，必须是唯一的

配置如下：

PidFile=/var/run/zabbix/zabbix_agentd.pid

LogFile=/var/log/zabbix/zabbix_agentd.log

LogFileSize=0

Server=10.190.130.74

ServerActive=10.190.130.74

Hostname=10.190.130.28

Include=/etc/zabbix/zabbix_agentd.d/

启动zabbix-agent服务

```

[root@localhost ~]# systemctl start zabbix-agent
[root@localhost ~]# systemctl status zabbix-agent
● zabbix-agent.service - Zabbix Agent
   Loaded: loaded (/usr/lib/systemd/system/zabbix-agent.service; disabled; vendor preset: disabled)
   Active: active (running) since Wed 2016-11-02 15:52:43 CST; 8s ago
   Process: 2495 ExecStart=/usr/sbin/zabbix_agentd -c $CONFFILE (code=exited, status=0/SUCCESS)
   Main PID: 2497 (zabbix_agentd)
   CGroup: /system.slice/zabbix-agent.service
           └─2497 /usr/sbin/zabbix_agentd -c /etc/zabbix/zabbix_agentd.conf
             └─2498 /usr/sbin/zabbix_agentd: collector [idle 1 sec]
               └─2499 /usr/sbin/zabbix_agentd: listener #1 [waiting for connection]
                 └─2500 /usr/sbin/zabbix_agentd: listener #2 [waiting for connection]
                   └─2501 /usr/sbin/zabbix_agentd: listener #3 [waiting for connection]
                     └─2502 /usr/sbin/zabbix_agentd: active checks #1 [idle 1 sec]

Nov 02 15:52:43 localhost.localdomain systemd[1]: Starting Zabbix Agent.
Nov 02 15:52:43 localhost.localdomain systemd[1]: PID file /run/zabbix/zabbix_agentd.pid not readable (yet?) after start.
Nov 02 15:52:43 localhost.localdomain systemd[1]: Started Zabbix Agent.
[root@localhost ~]# netstat -ntlp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:21              0.0.0.0:*               LISTEN      1336/vsftpd
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN      1331/sshd
tcp        0      0 127.0.0.1:25            0.0.0.0:*               LISTEN      2014/master
tcp        0      0 0.0.0.0:10050            0.0.0.0:*               LISTEN      2497/zabbix_agentd
tcp6       0      0 :::22                   :::*                    LISTEN      1331/sshd
tcp6       0      0 :::1:25                  :::*                    LISTEN      2014/master
tcp6       0      0 :::10050                 :::*                    LISTEN      2497/zabbix_agentd
[root@localhost ~]#

```

启动服务器已经查看服务器状态：

`systemctl start zabbix-agent`

`systemctl status zabbix-agent`

`netstat -ntlp`

添加主机

在zabbix页面中，将配置好的zabbix-agent添加到主机中。

官方参考文档：

打开Hosts页面。

The screenshot shows the Zabbix 'Hosts' configuration page. The 'Host name' and 'Visible name' fields are both set to '10.190.130.28'. In the 'Groups' section, 'Linux servers' is selected from the 'In groups' list, with a red arrow pointing to it and the text '根据需求，可选择任意组' (According to requirements, any group can be selected). Below this, the 'Agent interfaces' table has one entry with IP address '10.190.130.28', which is also highlighted with a red box and an arrow pointing to it from the text '输入被监控的agent端地址，Hostname必须与agent配置的Hostname一致。' (Enter the IP address of the monitored agent endpoint, the Hostname must be consistent with the Hostname configured on the agent). The 'Connect to' dropdown is set to 'IP', and the 'Port' is '10050'. At the bottom, the 'Add' button is highlighted with a red box.

Hosts

Host Templates IPMI Macros Host inventory Encryption

Host name 10.190.130.28

Visible name 10.190.130.28

Groups

In groups

Linux servers

Other groups

Discovered hosts

Hypervisors

Templates

Virtual machines

Zabbix servers

New group

Agent interfaces

IP address	DNS name	Connect to	Port	Default
10.190.130.28		IP	DNS	10050

SNMP interfaces

JMX interfaces

IPMI interfaces

Description

Monitored by proxy (no proxy)

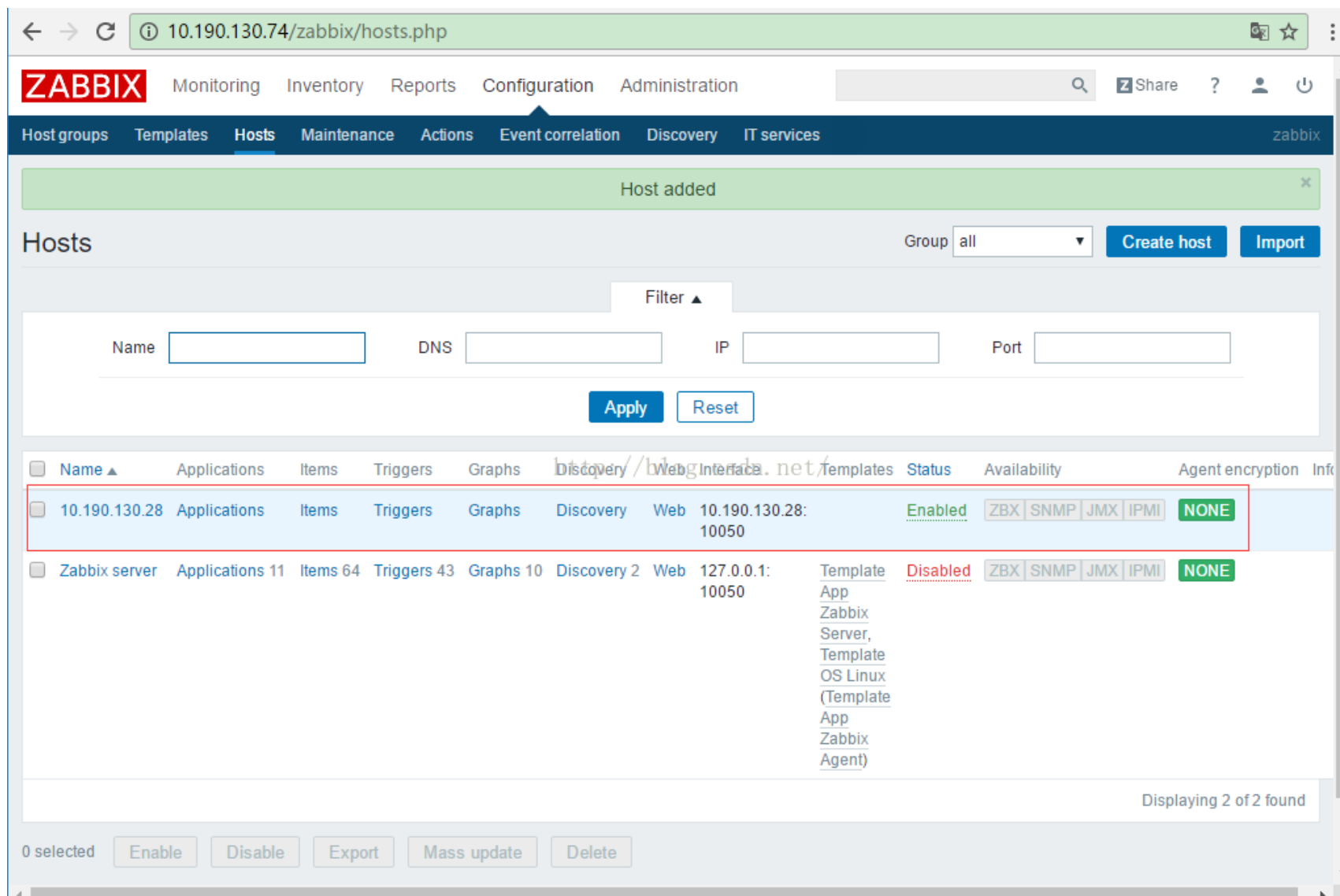
Enabled ☒

Add Cancel

根据需求，可选择任意组

输入被监控的agent端地址，Hostname必须与agent配置的Hostname一致。

输入被监控的Agent端的IP地址，并选择group选项和Connection的IP选项，最后点击Add按钮。



添加zabbix-agent主机成功

附录

安装配置zabbix的Configure DB connection步骤时，提示Cannot connection to the database

ZABBIX

Welcome

Check of pre-requisites

Configure DB connection

Zabbix server details

Pre-installation summary

Install

Configure DB connection

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

Details

Cannot connect to the database.

Error connecting to database: Can't connect to MySQL server on '192.168.238.128' (111)

Database type

MySQL ▼

Database host

10.190.130.73

Database port

0

0 - use default port

Database name

zabbix

User

zabbix

Password

Back

Next step

由于连接数据库和配置数据库数据都是正确的，但是如果在zabbix_server.conf文件中没有配置ListenIP=127.0.0.1的话，就出现无法连接mysql。所以启动ListenIP就可以解决can not connection the database的问题。