

IT技术助手 > zabbix3.4.6 > 正文

# 60秒内快速搭建完整zabbix3.4.6监控系统

原创

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评论(0)

551人阅读

## 一. 准备工作

OS: centos7.4

Zabbix version: 3.4.6 (2018/1/15日上线的新版本)

Database: MariaDB

关闭防火墙: `systemctl stop firewalld`

防火墙开机不自启: `systemctl disable firewalld`

关闭selinux:

临时: `setenforce 0`

永久:

`sed -i 's/SELINUX=enforcing/SELINUX=disabled/' /etc/selinux/config`

一切准备好后, 重启系统!

## 二. 先安装MariaDB数据库

### 1.概述:

MariaDB数据库管理系统是MySQL的一个分支, 主要由开源社区在维护, 采用GPL授权许可。开发这个分支的原因是: 甲骨文公司收购了MySQL后, 有将MySQL闭源的潜在风险, 因此社区采用分支的方式来避开这个风险。

MariaDB的目的是完全兼容MySQL, 包括AP和命令行, 使之能轻松成为MySQL的代替品。

### 2.yum安装MariaDB

`yum -y install mariadb-server mariadb`

### 3.启动和开机自启数据库

`systemctl start mariadb && systemctl enable mariadb`

## 三. 安装zabbix3.4.6

### 1.zabbix3.4.6版本更新说明

1) 全新的仪表盘

2) 全新的地图导航树展示

3) 支持通过proxy执行远程命令

4) 报警并行处理

### 2.rpm安装zabbix的yum源

`rpm -i http://repo.zabbix.com/zabbix/3.4/rhel/7/x86\_64/zabbix-release-3.4-2.el7.noarch.rpm`

### 3.开始安装zabbix

```
yum -y install zabbix-server-mysql zabbix-web-mysql zabbix-agent zabbix-get zabbix-sender
```

### 4.创建初始数据库

```
mysql -uroot
```

```
MariaDB [(none)]> create database zabbix character set utf8 collate utf8_bin;
```

```
MariaDB [(none)]> grant all privileges on zabbix.* to zabbix@localhost identified by 'zabbix';
```

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

### 5.导入初始模式和数据

```
zcat /usr/share/doc/zabbix-server-mysql*/create.sql.gz | mysql -uzabbix -p zabbix
```

### 6.为Zabbix服务器配置数据库

```
[root@zabbix_server ~]# grep -n '^'[a-Z] /etc/zabbix/zabbix_server.conf
38:LogFile=/var/log/zabbix/zabbix_server.log
49:LogFileSize=0
72:PidFile=/var/run/zabbix/zabbix_server.pid
82:SocketDir=/var/run/zabbix
91:DBHost=localhost
101:DBName=zabbix
117:DBUser=zabbix
125:DBPassword=zabbix
330:SNMPTrapperFile=/var/log/snmptrap/snmptrap.log
448:Timeout=4
490:AlertScriptsPath=/usr/lib/zabbix/alertscripts
500:ExternalScripts=/usr/lib/zabbix/externalscripts
536:LogSlowQueries=3000
```

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### 7.启动Zabbix服务器和代理进程，并在系统启动时启动

```
systemctl start zabbix-server zabbix-agent httpd && systemctl enable zabbix-server zabbix-agent httpd
```

### 8.为Zabbix前端配置PHP，更改时区

```
vim /etc/httpd/conf.d/zabbix.conf
```

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

### 9.重启系统

```
reboot
```

### 10.安装zabbix web

<http://your server ip/zabbix/>

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- Configure DB connection
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- Pre-installation summary
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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
PHP option "mbstring.func_overload"	off	off	OK

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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

localhost

Database port

0

0 - use default port

Database name

zabbix

User

zabbix

Password

\*\*\*\*\*

密码: zabbix

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**ZABBIX**

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## 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

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# ZABBIX

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## 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	localhost
Database port	default
Database name	zabbix
Database user	zabbix
Database password	*****

Zabbix server	localhost
Zabbix server port	10051
Zabbix server name	

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# ZABBIX

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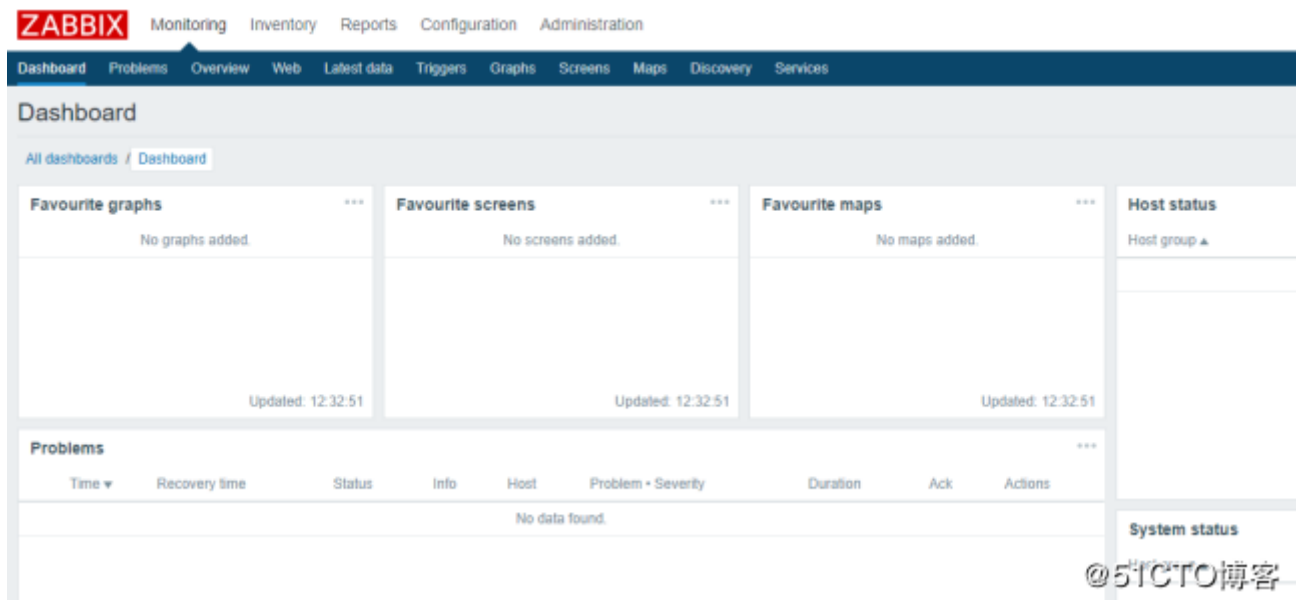
## Install

**Congratulations! You have successfully installed Zabbix frontend.**

Configuration file "/etc/zabbix/web/zabbix.conf.php" created.

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至此，zabbix监控系统就搭建完毕了！

附录：（zabbix的一些包名以及用途）

zabbix-server-mysql-3.4.6-1.el7.x86\_64 （zabbix server主安装程序）

zabbix-agent-3.4.6-1.el7.x86\_64 （zabbix agent 主安装程序）

zabbix-web-3.4.6-1.el7.noarch （zabbix web安装程序）

zabbix-get-3.4.6-1.el7.x86\_64.rpm （zabbix server安装程序，用于获取监控数据）

zabbix-web-mysql-3.4.6-1.el7.noarch.rpm （zabbix web连接数据库的安装程序）

zabbix-release-3.4.2-1.el7.noarch.rpm (生成zabbix yum源配置文件)

zabbix-sender-3.4.6-1.el7.x86\_64.rpm (zabbix agent安装程序, 用于发送监控数据)

你用”rpm -q 包名“的命令去查看一下以上包是否安装, 以上包都安装上了才是正确的。接着重点说下两个包 (zabbix-get和zabbix-sender), zabbix-get是安装在zabbix server端的, 用于和zabbix agent端通信, 用于从agent端主动拉取数据到server端; zabbix-sender是安装在zabbix agent端, 用于和zabbix server端通信, 用于主动把agent端的数据推送给server端。

zabbix-get (在server端安装)

zabbix-sender (在agent端安装)

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