

在 zabbix 中使用 percona-monitoring-plugins 来监控 mysql

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Percona 为 MySQL 数据库服务器进行了改进,在功能和性能上较 MySQL 有着很显著的提升。该版本提升了在高负载情况下的 InnoDB 的性能、为 DBA 提供一些非常实用的性能诊断工具;另外有更多的参数和命令来控制服务器行为。

Percona Monitoring Plugins 是一个高质量的组件为 MySQL 数据库添加企业级的监控和图表功能,另外该插件可以和 Nagios 或者是 Cacti 等监控系统的集成,从 1.1 版本开始,支持 zabbix 的监控。

其脚本是使用 php,故需要安装 php 环境。

下载 Percona Monitoring Plugins

#wget

<http://www.percona.com/redir/downloads/percona-monitoring-plugins/LATEST/percona-zabbix-templates-1.1.1-1.noarch.rpm>

```
[root@localhost software]# wget http://www.percona.com/redir/downloads/percona-monitoring-plugins/LATEST/percona-zabbix-templates-1.1.1-1.noarch.rpm
--2014-01-27 14:35:43-- http://www.percona.com/redir/downloads/percona-monitoring-plugins/LATEST/percona-zabbix-templates-1.1.1-1.noarch.rpm
Resolving www.percona.com... 74.121.199.234
Connecting to www.percona.com[74.121.199.234]:80... connected.
HTTP request sent, awaiting response... 302 Found
Location: /downloads/percona-monitoring-plugins/LATEST/percona-zabbix-templates-1.1.1-1.noarch.rpm [following]
--2014-01-27 14:35:49-- http://www.percona.com/downloads/percona-monitoring-plugins/LATEST/percona-zabbix-templates-1.1.1-1.noarch.rpm
Reusing existing connection to www.percona.com:80.
HTTP request sent, awaiting response... 200 OK
Length: 30432 (30K) [application/x-redhat-package-manager]
Saving to: "percona-zabbix-templates-1.1.1-1.noarch.rpm"

100%[=====] 30,432 31.5K/s
2014-01-27 14:35:50 (31.5 KB/s) - "percona-zabbix-templates-1.1.1-1.noarch.rpm" saved [30432/30432]
```

解压,看看这个文件里面都有什么内容

```
[root@localhost percona-zabbix-templates]# ll
total 32
-rw-r--r-- 1 root root 30432 Dec 30 19:30 percona-zabbix-templates-1.1.1-1.noarch.rpm
[root@localhost percona-zabbix-templates]# rpm2cpio percona-zabbix-templates-1.1.1-1.noarch.rpm |cpio -div
./var/lib/zabbix/percona
./var/lib/zabbix/percona/scripts
./var/lib/zabbix/percona/scripts/get_mysql_stats_wrapper.sh
./var/lib/zabbix/percona/scripts/ss_get_mysql_stats.php
./var/lib/zabbix/percona/templates
./var/lib/zabbix/percona/templates/userparameter_percona_mysql.conf
./var/lib/zabbix/percona/templates/zabbix_agent_template_percona_mysql_server_ht_2.0.9-sver1.1.1.xml
681 blocks
```

目录结构说明

脚本文件路径

/var/lib/zabbix/percona/scripts/get_mysql_stats_wrapper.sh

/var/lib/zabbix/percona/scripts/ss_get_mysql_stats.php

key 文件位置

/var/lib/zabbix/percona/templates/userparameter_percona_mysql.conf

模板文件位置

/var/lib/zabbix/percona/templates/zabbix_agent_template_percona_mysql_server_ht_2.0.9-sver1.1.1.xml

安装 percona-zabbix-templates

#rpm -ivh percona-zabbix-templates-1.1.1-1.noarch.rpm

```
[root@localhost percona-zabbix-templates]# rpm -ivh percona-zabbix-templates-1.1.1-1.noarch.rpm
warning: percona-zabbix-templates-1.1.1-1.noarch.rpm: Header V4 DSA/SHA1 Signature, key ID cd2efd2a: NOKEY
Preparing...##### [100%]
1:percona-zabbix-template##### [100%]

scripts are installed to /var/lib/zabbix/percona/scripts
Templates are installed to /var/lib/zabbix/percona/templates
[root@localhost percona-zabbix-templates]#
```

如果没有安装 php，需要安装 php。

```
[root@localhost percona-zabbix-templates]# rpm -qa |grep php
php-pdo-5.3.3-3.el6_2.8.x86_64
php-gd-5.3.3-3.el6_2.8.x86_64
php-5.3.3-3.el6_2.8.x86_64
php-xmlrpc-5.3.3-3.el6_2.8.x86_64
php-cli-5.3.3-3.el6_2.8.x86_64
php-bcmath-5.3.3-3.el6_2.8.x86_64
php-mysql-5.3.3-3.el6_2.8.x86_64
php-common-5.3.3-3.el6_2.8.x86_64
php-mbstring-5.3.3-3.el6_2.8.x86_64
php-xml-5.3.3-3.el6_2.8.x86_64
```

cp /var/lib/zabbix/percona/templates/userparameter_percona_mysql.conf

/etc/zabbix/zabbix_agentd.conf.d/

重启服务 zabbix_agentd

```
[root@localhost percona-zabbix-templates]# service zabbix_agentd restart
Shutting down zabbix_agentd: [ OK ]
Starting zabbix_agentd: [ OK ]
[root@localhost percona-zabbix-templates]#
```

修改脚本中的用户和密码

```
#vim /var/lib/zabbix/percona/scripts/ss_get_mysql_stats.php
```

```
# =====
#
$mysql_user = 'cactiuser';
$mysql_pass = 'cactiuser';
$mysql_port = 3306;
$mysql_ssl = FALSE; # whether to use SSL to connect to MySQL.
$mysql_ssl_key = '/etc/pki/tls/certs/mysql/client-key.pem';
$mysql_ssl_cert = '/etc/pki/tls/certs/mysql/client-cert.pem';
$mysql_ssl_ca = '/etc/pki/tls/certs/mysql/ca-cert.pem';
```

修改为 mysql 上面存在的用户，这里的用户和密码为 zabbix

```
# =====
#
$mysql_user = 'zabbix';
$mysql_pass = 'zabbix';
$mysql_port = 3306;
$mysql_ssl = FALSE; # whether to use SSL to connect to MySQL.
$mysql_ssl_key = '/etc/pki/tls/certs/mysql/client-key.pem';
$mysql_ssl_cert = '/etc/pki/tls/certs/mysql/client-cert.pem';
$mysql_ssl_ca = '/etc/pki/tls/certs/mysql/ca-cert.pem';
```

测试是否能获取到值

```
#zabbix_get -s 127.0.0.1 -k MySQL.binary-log-space
```

```
[root@localhost percona-zabbix-templates]# zabbix_get -s 127.0.0.1 -k MySQL.binary-log-space
0
[root@localhost percona-zabbix-templates]#
```

可以看到在本机可以获取到数据

key 的名称来自

```
[root@localhost percona-zabbix-templates]# cat /etc/zabbix/zabbix_agentd.conf.d/userparameter_percona_mysql.conf
UserParameter=mysql.sort-scan,/var/lib/zabbix/percona/scripts/get_mysql_stats_wrapper.sh kt
UserParameter=mysql.slave-stopped,/var/lib/zabbix/percona/scripts/get_mysql_stats_wrapper.sh jh
UserParameter=mysql.com-replace,/var/lib/zabbix/percona/scripts/get_mysql_stats_wrapper.sh jz
UserParameter=mysql.innodb-lock-structs,/var/lib/zabbix/percona/scripts/get_mysql_stats_wrapper.sh lp
```

导入模板

ZABBIX

Monitoring | Inventory | Reports | Configuration | Administration

Host groups | **Templates** | Hosts | Maintenance | Actions | Screens | Slide shows | Maps

History: Dashboard » Configuration of host groups » Configuration of templates » Configuration

CONFIGURATION OF TEMPLATES

Templates

Displaying 1 to 39 of 39 found

IT services

Search

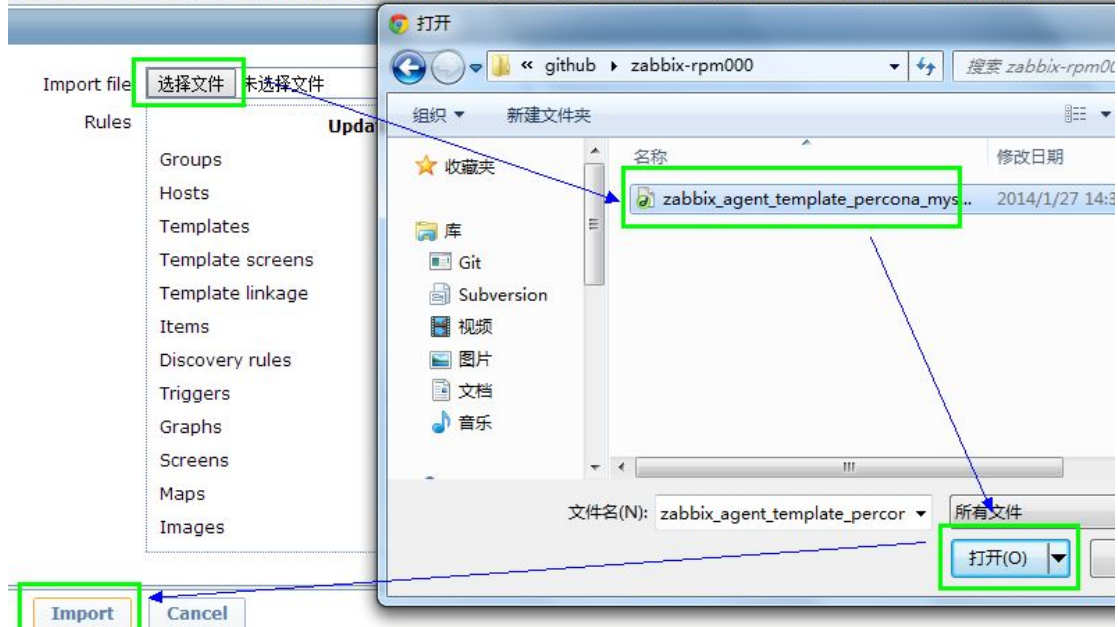
Configuration of host groups

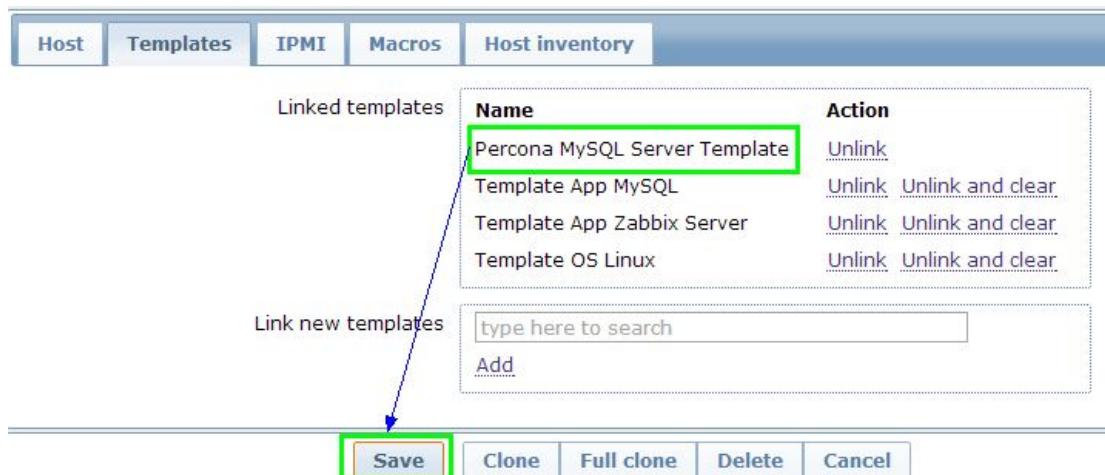
Create template

Import

Group Templates

Configuration of host groups » Configuration of templates » Configuration import » Configuration of host groups » Configuration of templates





Monitor-Graphs, 选择添加 mysql 模板的主机可以看到图形。

