

zabbix-IoTDB监控安装方式

zabbix版本:

5.4.3

agent操作系统版本:

Ubuntu 20.04.2 LTS

1. 依赖

- 操作系统
Linux
- python >=3.8
- zabbix_get
apt-get install zabbix-get
- apache-iotdb(python)
pip3 install apache-iotdb

2. 安装步骤

a. 安装zabbix-agent

在IoTDB所在服务器安装zabbix-agent并完成配置

b. 修改agent配置

```
1 vim /etc/zabbix/zabbix_agentd.conf
2 新增
3 Include=/etc/zabbix/zabbix_agentd.d/iotdb_monitor.conf
```

c. 编辑iotdb_monitor.conf

新增内容:

```
1 vim /etc/zabbix/zabbix_agentd.d/iotdb_monitor.conf
2 新增
3 UserParameter=iotdb_monitor[*],/usr/bin/python3.8 /etc/zabbix/scripts/iotdb_monitor.py "$1"
4 # python3.8修改为实际python3.8地址
```

d. 下载iotdb-monitor脚本

```
1 git clone https://github.com/xiaoyekanren/iotdb-zabbix.git
```

e. 修改config.ini

```
1 home=/home/ubuntu/apache-iotdb-0.12.1-server-bin # 必填, 修改为IoTDB实际路径
```

```
2 data= # 多个路径使用逗号(英文)隔开; 若未修改data路径, 留空
3 wal= # 若未修改wal路径, 留空
```

f. 将脚本放入zabbix文件夹

将修改好的config.ini和iotdb_monitor.py 两个文件放入/etc/zabbix/scripts/下

```
1 mkdir /etc/zabbix/scripts/
2 cp -r config.ini iotdb_monitor.py /etc/zabbix/scripts/
```

g. 重启zabbix-agent

```
1 systemctl restart zabbix-agent
```

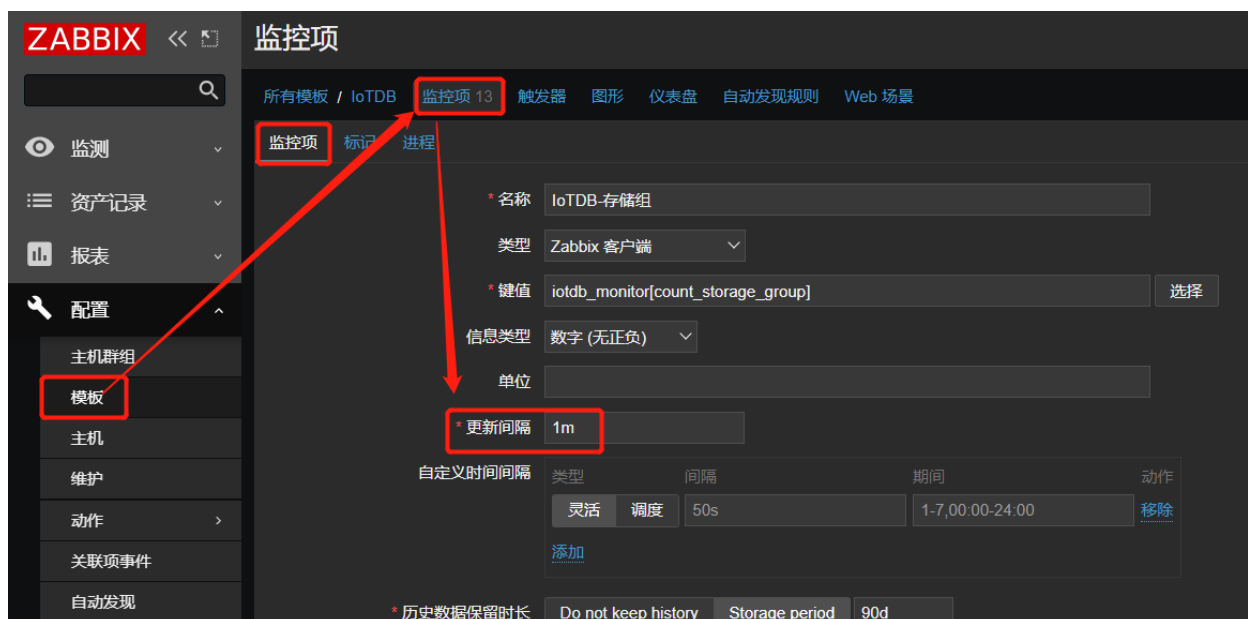
3. 配置监控项

打开zabbix网页

a. 导入模板

依次点击, 配置→模板→导入模板, 导入git仓库里的下的iotdb_zabbix.yaml

导入完成之后, 可点击模板 “IoTDB” → “监控项”, 可根据实际调整各个监控间隔, 默认间隔是1m



当前可用监控项:

- 1 IoTDB-存储组
- 2 IoTDB-时间序列
- 3 IoTDB-TsFile总数
- 4 IoTDB-Tsfile总大小
- 5 IoTDB-顺序TsFile数量
- 6 IoTDB-乱序TsFile数量
- 7 IoTDB-顺序TsFile大小
- 8 IoTDB-乱序TsFile大小
- 9 IoTDB-resource大小

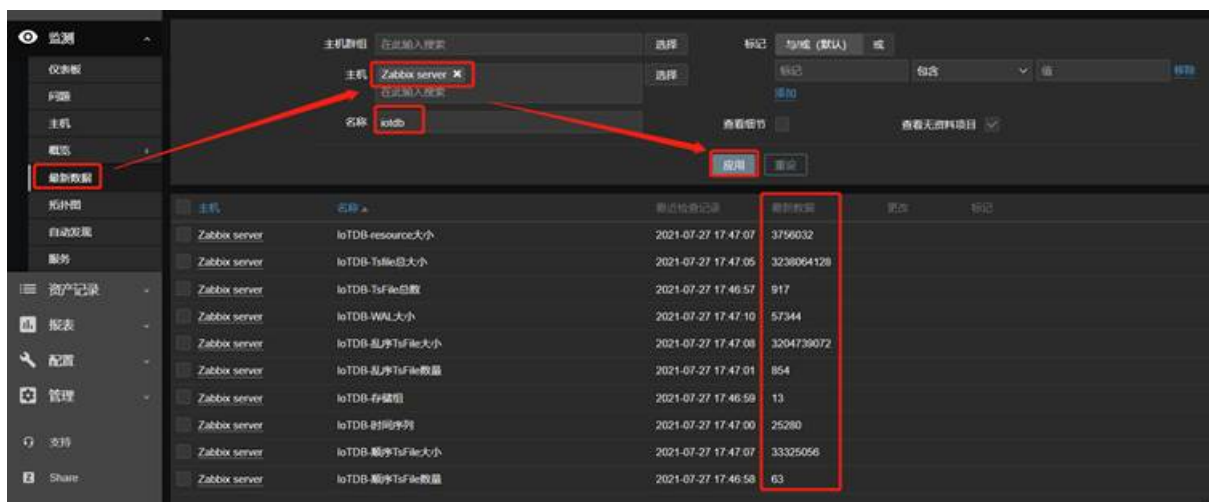
b. 更新主机

依次点击，配置→主机→选择IoTDB主机→批量更新→模板→选择“Linux Servers”→“IoTDB”→更新



c. 查看最新数据

等待一分钟后，可在 检测→最新数据，查看实时数据



4. 建立dashboard

返回首页，添加仪表盘→创建仪表盘，将相关依赖项纳入监控即可

Show header

刷新间隔 默认(1分)



数据设置：

Zabbix server ✕

选择

IoTDB-时间序列 >

选择

缺少数据 无 已连接 视为 0

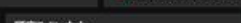
Y轴 左侧 右

间隔(秒)	无
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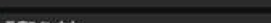
Aggregation function 无

Aggregation interval 1h

应用 取消



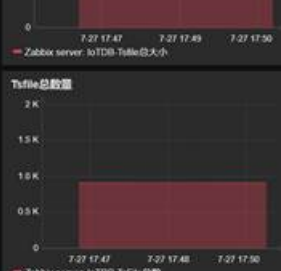
Abstract



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- Zabbix server: 10TDB-Table大小



- Zabbix server: 10TDB-順序ファイル大



- Zabbix server: 10100 程序大小



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■ Zabbix server, ioTDB-resource大小: 37566032

■ Zabbix server, IoTDB-resource大小: 3756032

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→ Zabbix server, DISK-Read = Zabbix server, DISK-Write
