Zabbix 5.0&TimescaleDB 操作手册

一.初始化系统

#更新系统
yum update -y

#安装基础组件
yum install lrzsz wget unzip screen chrony yum-utils -y

#开启时间同步
systemctl enable --now chronyd

二.安装zabbix

#安装zabbix源
rpm -Uvh https://mirrors.aliyun.com/zabbix/zabbix/5.0/rhel/7/x86_64/
zabbix-release-5.0-1.el7.noarch.rpm
#切换为阿里云源
sed -i "s#http://repo.zabbix.com#https://mirrors.aliyun.com/
zabbix#g" /etc/yum.repos.d/zabbix.repo

#安装zabbix server及agent
yum install zabbix-server-pgsql zabbix-agent –y

#安装scl源
yum install centos-release-scl –y

#修改源
/etc/yum.repos.d/zabbix.repo

[zabbix-frontend]
enabled=1

#修改安装zabbix web
yum install zabbix-web-pgsql-scl zabbix-nginx-conf-scl -y

三.配置LNMP

#nginx配置文件

```
vi /etc/opt/rh/rh-nginx116/nginx/conf.d/zabbix.conf
listen 8099;
server_name zabbix2020.com;
```

#php
```
/etc/opt/rh/rh-php72/php-fpm.d/zabbix.conf
```

```
listen.acl_users = apache,nginx
php_value[date.timezone] = Asia/Shanghai
```

四.安装PostgreSQL

#安装PostgreSQL源
```
yum install -y https://download.postgresql.org/pub/repos/yum/
reporpms/EL-7-x86_64/pgdg-redhat-repo-latest.noarch.rpm
```

#安装PostgreSQL
```
yum install -y postgresql12-server
```

#初始化数据库
```
/usr/pgsql-12/bin/postgresql-12-setup initdb
```

#启动PostgreSQL
```
systemctl enable --now postgresql-12
```

五.安装TimescaleDB

#安装timesacledb源
```
tee /etc/yum.repos.d/timescale_timescaledb.repo <<EOL
[timescale_timescaledb]
name=timescale_timescaledb
baseurl=https://packagecloud.io/timescale/timescaledb/el/7/\
$basearch
repo_gpgcheck=1
gpgcheck=0
enabled=1
gpgkey=https://packagecloud.io/timescale/timescaledb/gpgkey
sslverify=1
```

```
sslcacert=/etc/pki/tls/certs/ca-bundle.crt
metadata_expire=300
EOL
yum update –y
```

#安装timescaledb
```
yum install -y timescaledb-postgresql-12
```

#初始化配置
timescaledb-tune --pg-config=/usr/pgsql-12/bin/pg_config

#重启pg
```
systemctl restart postgresql-12
```

六.Zabbix数据库准备
#建立zabbix用户
```
sudo -u postgres createuser --pwprompt zabbix
sudo -u postgres createdb -O zabbix zabbix
```

#开启timescaledb
```
echo "CREATE EXTENSION IF NOT EXISTS timescaledb CASCADE;" |
sudo -u postgres psql zabbix
```

#导入基础SQL
```
cat database/postgresql/schema.sql | sudo -u zabbix psql zabbix
cat database/postgresql/images.sql | sudo -u zabbix psql zabbix
cat database/postgresql/data.sql | sudo -u zabbix psql zabbix
```

#导入timescaledb
```
cat database/postgresql/timescaledb.sql | sudo -u zabbix psql zabbix
```

七.PostgreSQL配置
#远程连接
```
vi  /var/lib/pgsql/12/data/postgresql.conf
listen_addresses = '*'
port = 5432
max_connections = 500
```

#认证

/var/lib/pgsql/12/data/pg_hba.conf

host   all   all   0.0.0.0/0   md5

#重启PostgreSQL

systemctl restart postgresql-12

八.Zabbix配置

#数据库信息

vi /etc/zabbix/zabbix_server.conf

DBHost=127.0.0.1

DBPassword=zabbixpwd123

#启动

systemctl restart zabbix-server zabbix-agent rh-nginx116-nginx rh-php72-php-fpm

systemctl enable zabbix-server zabbix-agent rh-nginx116-nginx rh-php72-php-fpm