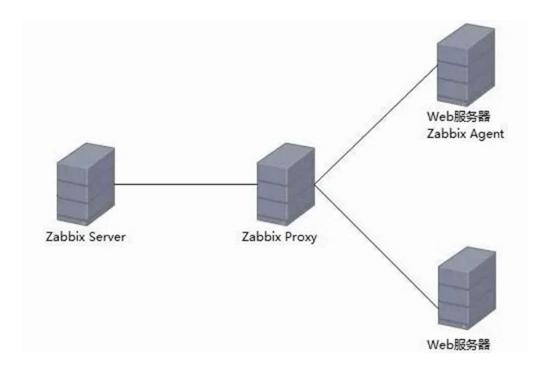


## **Zabbix Proxy Configuration Guide**

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# Install and Configure Zabbix Proxy with Local PostgreSQL Database on RHEL 8

This document provides step-by-step instructions to install and configure Zabbix Proxy using a local PostgreSQL database on the same server as the proxy.

#### 1. Install Zabbix Repository

Add the Zabbix repository to your system and clean the repository cache:

# rpm -Uvh https://repo.zabbix.com/zabbix/6.0/rhel/8/x86\_64/zabbix-release-latest.el8.noarch.rpm
# dnf clean all

#### 2. Install Zabbix Proxy

Install the necessary Zabbix Proxy packages for PostgreSQL, along with SELinux policies:

# dnf install zabbix-proxy-pgsql zabbix-sql-scripts zabbix-selinux-policy



#### 3. Create Initial Local Database

Ensure the PostgreSQL database server is installed and running locally on the same server as the Zabbix Proxy.

1. Create the Zabbix user and database locally:

```
# sudo -u postgres createuser --pwprompt zabbix
# sudo -u postgres createdb -0 zabbix zabbix_proxy
```

2. Import the initial schema and data for Zabbix Proxy:

# cat /usr/share/zabbix-sql-scripts/postgresql/proxy.sql | sudo -u zabbix psql zabbix\_proxy

```
root@ :/root > cat /usr/share/zabbix-sql-scripts/postgresql/proxy.sql | sudo -u zabbix psql zabbix_proxy
CREATE TABLE
CREATE INDEX
CREATE TABLE
CREATE INDEX
CREATE TABLE
CREATE INDEX
```

#### 4. Configure Zabbix Proxy to Use the Local Database

Edit the Zabbix Proxy configuration file (/etc/zabbix/zabbix\_proxy.conf) to point to the local PostgreSQL database:

1. Open the configuration file:

sudo nano /etc/zabbix/zabbix\_proxy.conf

2. Add or update the following database-related parameters:

DBHost=localhost or ip Zabbix proxy DBName=zabbix\_proxy DBUser=zabbix DBPassword=your\_password\_here DBPort=5432

3. Set the Proxy Hostname to match the name defined in the Zabbix Server interface:

```
Hostname=zbx_proxy_1
```

4. Optional: Configure the Proxy mode (Active or Passive):

```
ProxyMode=0 # Active mode
Server=1 # Zabbix server ip
```

#### 5. Start and Enable Zabbix Proxy

Start the Zabbix Proxy service and enable it to start on boot:

```
# systemctl restart zabbix-proxy
# systemctl enable zabbix-proxy
```

#### 6. Verify Connectivity

Ensure the Zabbix Proxy is able to communicate with the Zabbix Server:

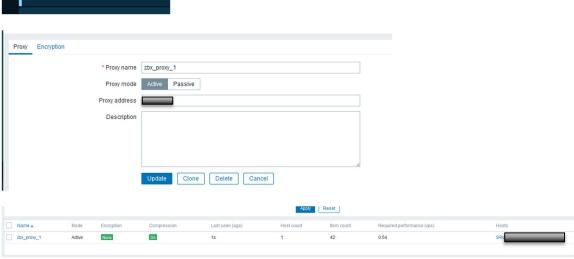
1. On the Zabbix Proxy host, test the connection to the server:

```
telnet ip-zabbix-proxy 10051
```

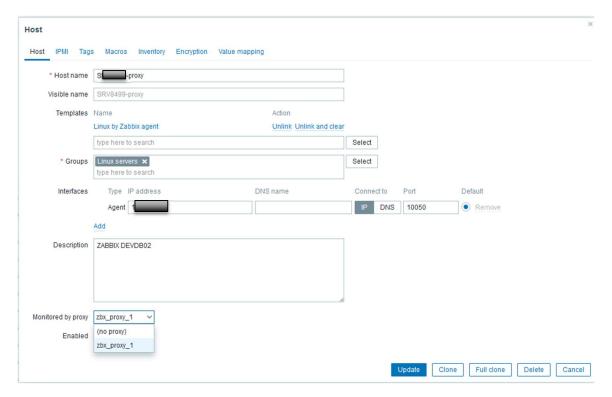
2. On the Zabbix Server Web Interface:

- Go to Administration> Proxies.
- Ensure the proxy zbx\_proxy\_1 is visible and the Last seen timestamp is updating.





Note: How to Assign a Host to a Zabbix Proxy



### 7. Logs and Troubleshooting

If there are issues, check the logs for more details:

1. Zabbix Proxy Logs:

sudo tail -f /var/log/zabbix/zabbix\_proxy.log

2. Zabbix Server Logs:

sudo tail -f /var/log/zabbix/zabbix\_server.log

```
:/root > sudo tail -f /var/log/zabbix/zabbix proxy.log
 oot@s
2663666:20241127:094306.629 proxy #25 started [poller #4]
2663669:20241127:094306.630 proxy #28 started [icmp pinger #1]
2663670:20241127:094306.630 proxy #29 started [history poller #1]
2663664:20241127:094306.634 proxy #24 started
                                               [poller #3]
2663671:20241127:094306.635 proxy #30 started
                                               [availability manager #1]
2663667:20241127:094306.638 proxy #26 started [poller #5]
2663673:20241127:094306.639 proxy #31 started [odbc poller #1]
2663642:20241127:094306.703 proxy #10 started [preprocessing worker #3]
2663630:20241127:094306.724 received configuration data from server at "1lacksquare
                                                                                     , datalen 36
2663646:20241127:101306.686 executing housekeeper
2663646:20241127:101306.877 housekeeper [deleted 0 records in 0.005711 sec, idle for 1 hour(s)]
```

#### Summary

This setup uses a local PostgreSQL database for Zabbix Proxy. Both Zabbix Proxy and PostgreSQL run on the same server, reducing network dependencies. Ensure the local database is properly secured and regularly backed up for production use.