https://www.digitalocean.com/community/tutorials/how-to-install-and-configure-zabbix-to-securely-monitor-remote-servers-on-ubuntu-18-04 ## Reference site

— Installing the Zabbix Server

Download and install the repository configuration package:

wget https://repo.zabbix.com/zabbix/4.2/ubuntu/pool/main/z/zabbix-release/zabbix-release\_4.2-1+bionic\_all.deb

sudo dpkg -i zabbix-release\_4.2-1+bionic\_all.deb

sudo apt update

sudo apt install zabbix-server-mysql zabbix-frontend-php

sudo apt install zabbix-agent

Configuring the MySQL Database for Zabbix

mysql -uroot -pcreate database zabbix character set utf8 collate utf8\_bin;

grant all privileges on zabbix.\* to zabbix@localhost identified by 'Ctel@123';

flush privileges;

quit;

Run the following command to set up the schema and import the data into the zabbix database. Use zcat since the data in the file is compressed.

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

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

/etc/zabbix/zabbix\_server.conf

...

DBPassword=Ctel@123

Configuring PHP for Zabbix

sudo nano /etc/zabbix/apache.conf

/etc/zabbix/apache.conf

chnahe the time zone settings

sudo systemctl restart apache2

sudo systemctl start zabbix-server

sudo systemctl status zabbix-server

sudo systemctl status zabbix-server

Configuring Settings for the Zabbix Web Interface

http://10.10.10.152/zabbix/.

Installing and Configuring the Zabbix Agent

wget https://repo.zabbix.com/zabbix/4.2/ubuntu/pool/main/z/zabbix-release/zabbix-release\_4.2-1+bionic\_all.deb

sudo dpkg -i zabbix-release\_4.2-1+bionic\_all.deb

sudo apt update

sudo apt install zabbix-agent

sudo sh -c "openssl rand -hex 32 > /etc/zabbix/zabbix\_agentd.psk"

cat /etc/zabbix/zabbix\_agentd.psk

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

First you have to edit the IP address of the Zabbix server. Find the following section:

...

### Option: Server

# List of comma delimited IP addresses (or hostnames) of Zabbix servers.

# Incoming connections will be accepted only from the hosts listed here.

# If IPv6 support is enabled then '127.0.0.1', '::127.0.0.1', '::ffff:127.0.0.1' are treated equally.

#

# Mandatory: no

# Default:

# Server=

Server=127.0.0.1

...

Change the default value to the IP of your Zabbix server:

/etc/zabbix/zabbix\_agentd.conf

...

Server=10.10.10.152

...

Then add this line to configure pre-shared key support:

/etc/zabbix/zabbix\_agentd.conf

...

TLSConnect=psk

...

/etc/zabbix/zabbix\_agentd.conf

...

TLSAccept=psk

...

/etc/zabbix/zabbix\_agentd.conf

...

TLSPSKIdentity=PSK 001

...

/etc/zabbix/zabbix\_agentd.conf

...

TLSPSKFile=/etc/zabbix/zabbix\_agentd.psk

...

sudo systemctl restart zabbix-agent

sudo systemctl enable zabbix-agent

sudo systemctl status zabbix-agent

sudo ufw allow 10050/tcp

Adding the New Host to the Zabbix Server

http://10.10.10.152/zabbix/.

When you have logged in, click on Configuration, and then Hosts in the top navigation bar. Then click the Create host button in the top right corner of the screen. This will open the host configuration page.

Configuring Email Notifications

Click on Administration, and then Media types in the top navigation bar. You will see the list of all media types. Click on Email.

Generating a Test Alert

df -h

fallocate -l 20G /tmp/temp.img

rm -f /tmp/temp.img