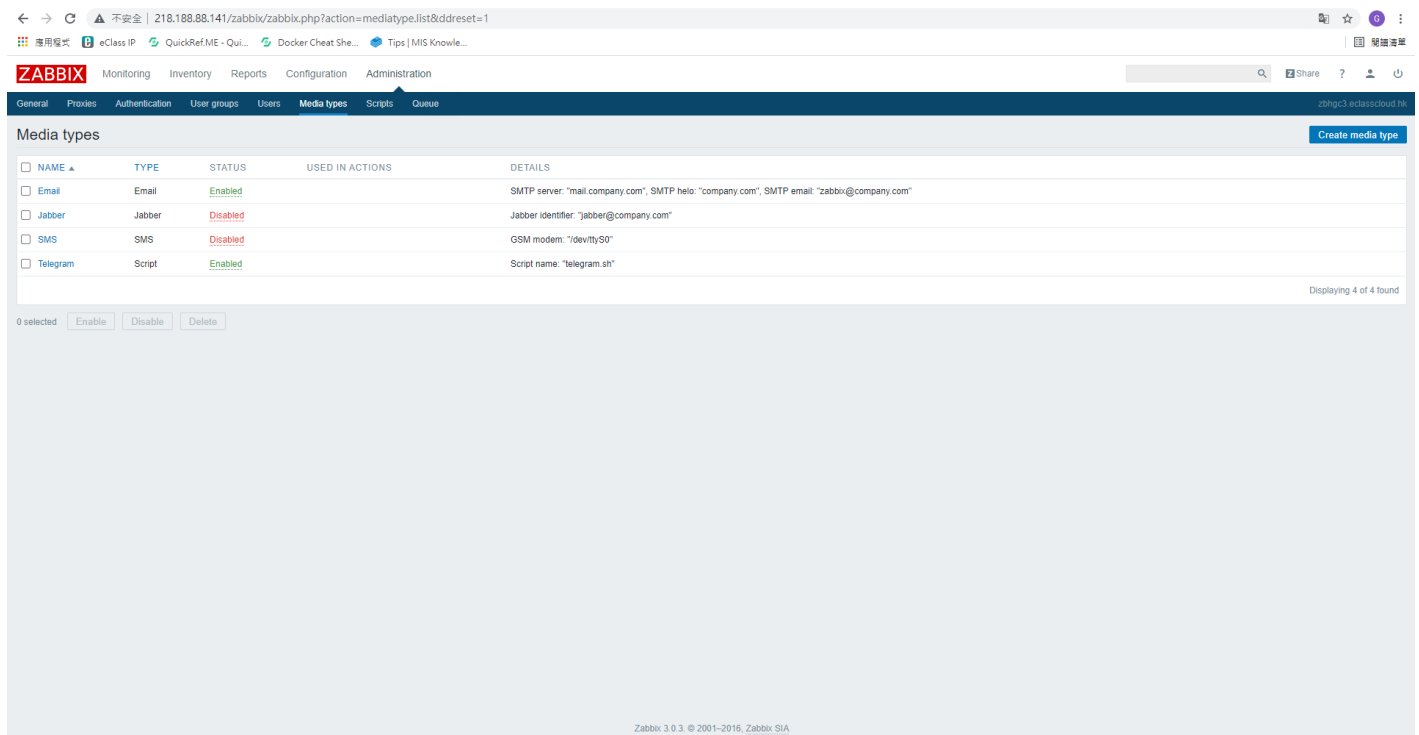


Zabbix sends alert via telegram

Login to the Zabbix, go to **Administration** -> **Media types** , create a new media type.



Select Type **Script**, in the **Script name**, we type **telegram.sh**. Press **Add** to add the Media type.

Then go to **Users**, in the user Admin, go to Media. Press Add.

For **Send to** , just input some valid characters.

Select the **severity** you want to have alert on.

Press **Update**.

Now login to the Zabbix server through putty. In `/etc/zabbix/zabbix_server.conf` , we can see all the script should be placed in **`/usr/lib/zabbix/alertscripts`** .

```
### Option: AlertScriptsPath
#       Full path to location of custom alert scripts.
#       Default depends on compilation options.
#
# Mandatory: no
# Default:
# AlertScriptsPath=${datadir}/zabbix/alertscripts
AlertScriptsPath=/usr/lib/zabbix/alertscripts
```

So we will now create a **telegram.sh** in this directory. And we input:

```
curl -s -max-time 10 -d "chat_id=-342387488&disable_web_page_preview=1&text=Testing by Bob"
https://api.telegram.org/bot731592033:AAGyaKK_bxK-mDtJgijwWE5Ldz16WN0pSKE/sendMessage
```

Change the permission of the file by:

```
chmod 755 telegram.sh
```

Now we should be able to receive a message from telegram when there is a alert.

Create a script that will handle the notification your way

Go to **Administration** -> **Media types**, we will add Script parameters as below:

ZABBIX Monitoring Inventory Reports Configuration Administration

General Proxies Authentication User groups Users **Media types** Scripts Queue

Media types

Name:

Type:

Script name:

Script parameters:

| PARAMETER | ACTION |
|---|------------------------|
| <input type="text" value="{ALERT.SENDTO}"/> | Remove |
| <input type="text" value="{ALERT.SUBJECT}"/> | Remove |
| <input type="text" value="{ALERT.MESSAGE}"/> | Remove |
| Add | |

Enabled ☒

{ALERT.SENDTO} = \$1

{ALERT.SUBJECT} = \$2

{ALERT.MESSAGE} = \$3

Subject:

PROBLEM: Urgent:Free disk space is less than 2% on volume /boot

Message:

Trigger: Urgent:Free disk space is less than 2% on volume /boot

Trigger status: PROBLEM

Trigger severity: Disaster

Trigger URL:

Item values:

1. Free disk space on /boot (percentage) (d70n19.ecloud.hk:vfs.fs.size[/boot,pfree]): 29.21 %
2. *UNKNOWN* (*UNKNOWN*:*UNKNOWN*): *UNKNOWN*
3. *UNKNOWN* (*UNKNOWN*:*UNKNOWN*): *UNKNOWN*

Original event ID: 52622

While **\$1** is not in used here.

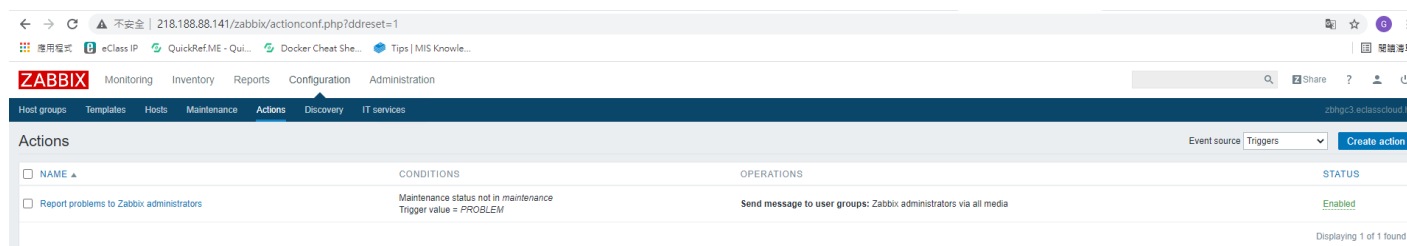
We will modify our script to use these parameter:

```
#!/bin/bash

to=$1
subject=$2
body=$3

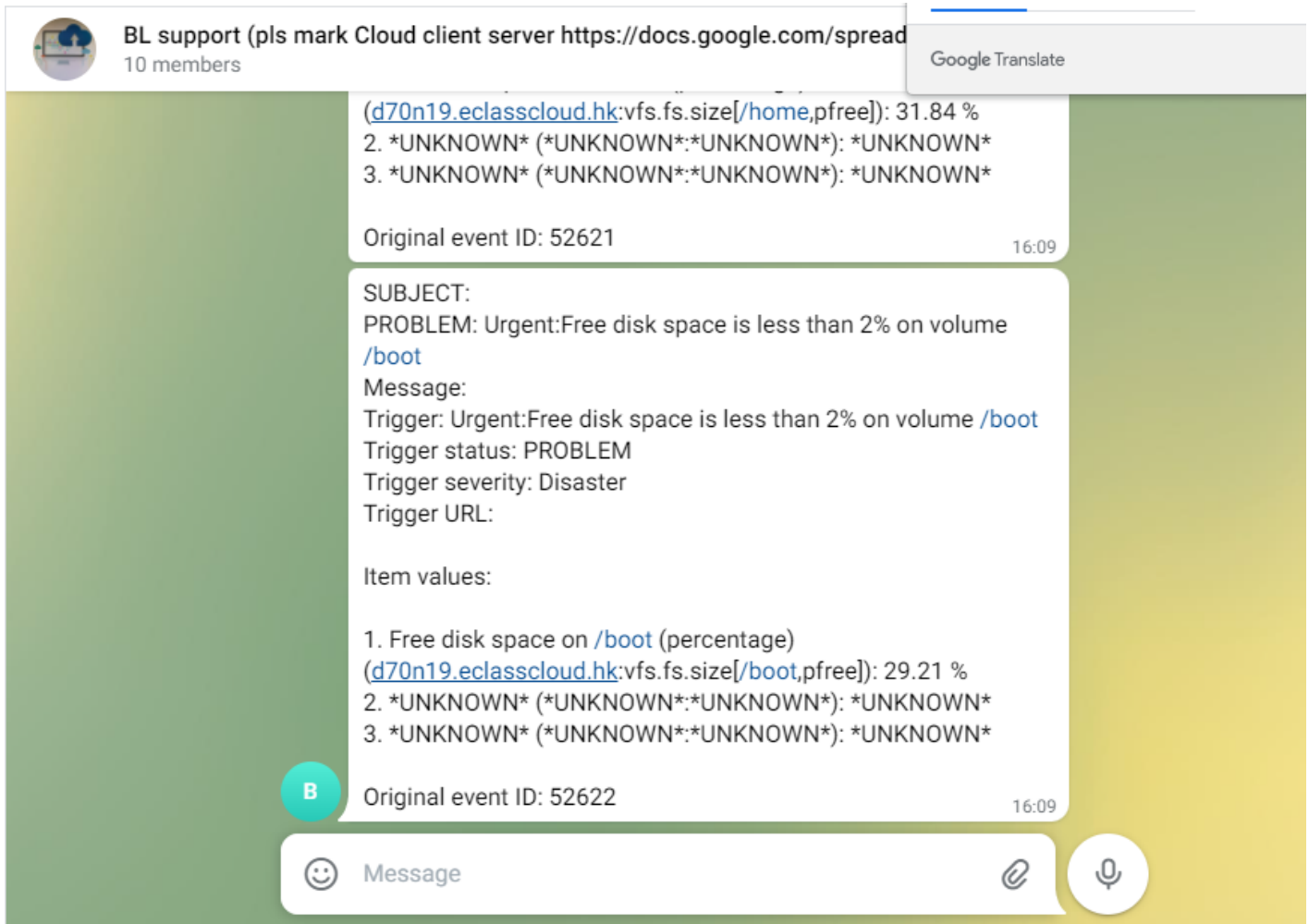
curl -s --max-time 10 -d "chat_id=-342387488&disable_web_page_preview=1&text=SUBJECT:
$subject
Message:
$body" https://api.telegram.org/bot731592033:AAGyaKK_bxK-mDtJgijwWE5Ldz16WN0pSKE/sendMessage
```

Enable the Action:



| NAME | CONDITIONS | OPERATIONS | STATUS |
|--|--|--|---------|
| Report problems to Zabbix administrators | Maintenance status not in maintenance Trigger value = PROBLEM | Send message to user groups: Zabbix administrators via all media | Enabled |

Then we can receive the message from telegram:



Script Modification to have more detailed description of events

```
#!/bin/bash

#####Variables#####
to=$1
subject=$2
body=$3
file=/tmp/temp.txt
repeat=1           #Number of message sent for High severity
urgent_repeat=3     #Number of message sent for Disaster severity
duration=60        #Duration of each message sent

#####Function#####
Status_Problem_High(){
    curl -s -max-time 10 -d "chat_id=- 342387488&disable_web_page_preview=1&text=`echo -e
'\u26A0\uFE0F'`$Topic
$item" https://api.telegram.org/bot731592033:AAGyaKK_bxK-mDtJgijwE5Ldz16WN0pSKE/sendMessage
```

```

}
Status_Problem_Disaster(){
    curl -s -max-time 10 -d "chat_id=-342387488&disable_web_page_preview=1&text=`echo -e
'\U0001F198'`$Topic
$item" https://api.telegram.org/bot731592033:AAGyaKK_bxK-mDtJgijwWE5Ldz16WN0pSKE/sendMessage
}
Status_OK(){
    curl -s -max-time 10 -d "chat_id=-342387488&disable_web_page_preview=1&text=`echo -e
'\u2705'`$Topic
$item" https://api.telegram.org/bot731592033:AAGyaKK_bxK-mDtJgijwWE5Ldz16WN0pSKE/sendMessage
}

```

```
#####Main#####
```

```
echo -e "$subject \n$body" > "$file"
```

```
dos2unix $file          #Convert text files with DOS or Mac line endings to Unix line
endings
```

```
Topic=`grep URGENT $file`
```

```
Status=`grep status $file | awk '{print $3}'`
```

```
Severity=`grep severity $file | awk '{print $3}'`
```

```
item=`grep vfs.fs.size $file`
```

```
item_severity=`grep severity $file`
```

```
case $Status in
```

```
    PROBLEM) if [ $Severity = "High" ];
```

```
        then
```

```
            for ((c=1; c<=$repeat; c++))
```

```
            do
```

```
                Status_Problem_High
```

```
#                sleep $duration
```

```
            done
```

```
        elif [ $Severity = "Disaster" ];
```

```
        then
```

```
            for ((c=1; c<=$urgent_repeat; c++))
```

```
            do
```

```
                Status_Problem_Disaster
```

```
                sleep $duration
```

```
            done
```

```

else
    echo "Break"
fi
rm $file
;;
OK)

Status_OK
rm $file
;;
*)

echo "No input"
;;

esac

```



BL support (pls mark Cloud client server <https://docs.google.com/spreadsheets/d/1BsZ8UPR0g5pXj...>)
10 members

632.18 MB

17:41

⚠️ **PROBLEM: **URGENT**** :Free disk space is less than 2% on volume /

Trigger severity: High

1. Free disk space on / (percentage)

(ecmail.ecloudcloud.hk:vfs.fs.size[/,pfree]): 0.2 %

17:42

bl_support

✅ **OK: **URGENT**** :Free disk space is less than 2% on volume /

1. Free disk space on / (percentage)

(ecmail.ecloudcloud.hk:vfs.fs.size[/,pfree]): 2.92 %

17:48

✅ **OK: **URGENT**** : Free disk space on / is less than 700M

1. Free disk space on / (ecmail.ecloudcloud.hk:vfs.fs.size[/,free]):

759.65 MB

17:49

bl_support

🚨 **PROBLEM: **URGENT**** : Free disk space on / is less than 700M

1. Free disk space on / (ecmail.ecloudcloud.hk:vfs.fs.size[/,free]):

248.89 MB

18:06

🚨 **PROBLEM: **URGENT**** :Free disk space is less than 2% on volume /



Message



Revision #8

Created 23 September 2021 07:17:03 by Gordon Cheung

Updated 28 September 2021 08:51:09 by Gordon Cheung