#!/bin/bash

# MySQL monitoring script

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# Version 0

#| ----------- Notes de version ----------------------------|

#| |

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#| ----------- Usage------ ---------------------------------|

#| ./SCRIPT.sh |

#|----------------------------------------------------------|

CUT=/usr/bin/cut;

ZABBIX\_SERVER=10.2.17.24

ZABBIX\_SENDER=/usr/bin/zabbix\_sender;

ZABBIX\_CONFIG\_FILE=/etc/zabbix/zabbix\_agentd.conf;

ZABBIX\_HOSTNAME=`cat $ZABBIX\_CONFIG\_FILE | grep Hostname | sed 's/^.........//'`

ZABBIX\_TMP\_VARIABLES\_NAME="mysql.variables.";

ZABBIX\_TMP\_STATUS\_NAME="mysql.status.";

ZABBIX\_TMP\_VARIABLES=zabbix\_variables.tmp;

ZABBIX\_TMP\_STATUS=zabbix\_status.tmp;

MYSQL=/usr/bin/mysql;

MYSQL\_USER=;

MYSQL\_PASS=;

MYSQL\_GLOBAL\_VARIABLES="SHOW GLOBAL VARIABLES";

MYSQL\_GLOBAL\_STATUS="SHOW GLOBAL STATUS";

MYSQL\_DELIMITER='";';

MYSQL\_OUTPUT\_VARIABLES=mysql\_output\_variables.tmp;

MYSQL\_OUTPUT\_STATUS=mysql\_output\_status.tmp;

DEBUG=0;

# 1- Values that will be given to the zabbix\_sender

variables=(

innodb\_additional\_mem\_pool\_size

innodb\_buffer\_pool\_size

innodb\_file\_io\_threads

innodb\_log\_buffer\_size

innodb\_log\_file\_size

innodb\_max\_dirty\_pages\_pct

innodb\_open\_files

innodb\_thread\_concurrency

innodb\_thread\_sleep\_delay

join\_buffer\_size

long\_query\_time

max\_allowed\_packet

max\_binlog\_cache\_size

max\_binlog\_size

max\_connect\_errors

max\_connections

max\_delayed\_threads

max\_heap\_table\_size

max\_join\_size

max\_length\_for\_sort\_data

max\_prepared\_stmt\_count

open\_files\_limit

query\_alloc\_block\_size

query\_cache\_limit

query\_cache\_min\_res\_unit

query\_cache\_size

query\_cache\_type

query\_cache\_wlock\_invalidate

query\_prealloc\_size

read\_buffer\_size

sort\_buffer\_size

sql\_max\_join\_size

sql\_select\_limit

table\_lock\_wait\_timeout

thread\_cache\_size

table\_cache

tmp\_table\_size

wait\_timeout

)

status=(

Aborted\_clients

Aborted\_connects

Bytes\_received

Bytes\_sent

Com\_commit

Com\_delete

Com\_delete\_multi

Com\_execute\_sql

Com\_help

Com\_insert

Com\_insert\_select

Com\_lock\_tables

Com\_optimize

Com\_replace

Com\_replace\_select

Com\_rollback

Com\_select

Com\_update

Com\_update\_multi

Connections

Created\_tmp\_disk\_tables

Created\_tmp\_files

Created\_tmp\_tables

Delayed\_errors

Delayed\_insert\_threads

Delayed\_writes

Innodb\_buffer\_pool\_pages\_data

Innodb\_buffer\_pool\_pages\_dirty

Innodb\_buffer\_pool\_pages\_flushed

Innodb\_buffer\_pool\_pages\_free

Innodb\_buffer\_pool\_pages\_misc

Innodb\_buffer\_pool\_pages\_total

Innodb\_buffer\_pool\_read\_requests

Innodb\_buffer\_pool\_reads

Innodb\_buffer\_pool\_wait\_free

Innodb\_buffer\_pool\_write\_requests

Innodb\_data\_pending\_fsyncs

Innodb\_data\_pending\_reads

Innodb\_data\_pending\_writes

Innodb\_data\_read

Innodb\_data\_reads

Innodb\_data\_writes

Innodb\_data\_written

Innodb\_log\_waits

Innodb\_log\_write\_requests

Innodb\_log\_writes

Innodb\_page\_size

Innodb\_pages\_created

Innodb\_pages\_read

Innodb\_pages\_written

Innodb\_rows\_deleted

Innodb\_rows\_inserted

Innodb\_row\_lock\_current\_waits

Innodb\_rows\_read

Innodb\_rows\_updated

Max\_used\_connections

Open\_files

Opened\_files

Open\_tables

Opened\_tables

Qcache\_free\_blocks

Qcache\_free\_memory

Qcache\_hits

Qcache\_inserts

Qcache\_total\_blocks

Queries

Questions

Slow\_queries

Table\_locks\_immediate

Table\_locks\_waited

Threads\_cached

Threads\_connected

Threads\_created

Threads\_running

Uptime

)

# 2a- We first create the files

touch $ZABBIX\_TMP\_VARIABLES $ZABBIX\_TMP\_STATUS;

# 2- We extract the raw values for both values (global and status)

echo $MYSQL\_GLOBAL\_VARIABLES | $MYSQL -u $MYSQL\_USER -p$MYSQL\_PASS > $MYSQL\_OUTPUT\_VARIABLES ;

echo $MYSQL\_GLOBAL\_STATUS | $MYSQL -u $MYSQL\_USER -p$MYSQL\_PASS > $MYSQL\_OUTPUT\_STATUS ;

# 3- We iterate the array in order to filter the files

for variables in ${variables[\*]}; do

 cat $MYSQL\_OUTPUT\_VARIABLES | grep $variables >> $ZABBIX\_TMP\_VARIABLES ;

done

 # We prepend the name

 sed -i "s/^/$ZABBIX\_HOSTNAME $ZABBIX\_TMP\_VARIABLES\_NAME/" $ZABBIX\_TMP\_VARIABLES

for status in ${status[\*]}; do

 cat $MYSQL\_OUTPUT\_STATUS | grep $status >> $ZABBIX\_TMP\_STATUS ;

done

 # We prepend the name

 sed -i "s/^/$ZABBIX\_HOSTNAME $ZABBIX\_TMP\_STATUS\_NAME/" $ZABBIX\_TMP\_STATUS;

#####adicinar queries\_per\_second

MYSQL\_QPS=$(echo $(mysqladmin -u$MYSQL\_USER -p$MYSQL\_PASS status) | grep -o "[0-9.]\*$");

echo "zabbix mysql.qps $MYSQL\_QPS" >> $ZABBIX\_TMP\_STATUS

# 4- We delete the MySQL files

rm $MYSQL\_OUTPUT\_VARIABLES $MYSQL\_OUTPUT\_STATUS

# 5- We finally send the values to the Zabbix\_sender

case "$DEBUG" in

 "1"\*)

 echo -e '------------------------------------------\n\E[47;35m'"\033[1mValues Datas :\033[0m"

 cat $ZABBIX\_TMP\_VARIABLES

 # 5a- The values file

 echo -e '------------------------------------------\n\E[47;35m'"\033[1mZabbix Output :\033[0m"

 $ZABBIX\_SENDER -z $ZABBIX\_SERVER -c $ZABBIX\_CONFIG\_FILE -i $ZABBIX\_TMP\_VARIABLES -vv

 echo -e '------------------------------------------\n\E[47;35m'"\033[1mStatus Datas :\033[0m"

 cat $ZABBIX\_TMP\_STATUS

 # 5b- The staus file

 echo -e '------------------------------------------\n\E[47;35m'"\033[1mZabbix Output :\033[0m"

 $ZABBIX\_SENDER -z $ZABBIX\_SERVER -c $ZABBIX\_CONFIG\_FILE -i $ZABBIX\_TMP\_STATUS -vv

 ;;

 "0"\*)

 $ZABBIX\_SENDER -c $ZABBIX\_CONFIG\_FILE -i $ZABBIX\_TMP\_VARIABLES

 # 5b- The staus file

 $ZABBIX\_SENDER -z $ZABBIX\_SERVER -c $ZABBIX\_CONFIG\_FILE -i $ZABBIX\_TMP\_STATUS

 ;;

esac

# 6- We delete the Zabbix files

rm $ZABBIX\_TMP\_VARIABLES $ZABBIX\_TMP\_STATUS