dbreport.sh

```
#!/bin/bash


TIMESTAMP=`date +%Y-%m-%d_%H:%m:%S`
LOG=/var/log/backupCheck/backupCheck_$TIMESTAMP.log
MYSQL=`which mysql`
USER="root"
HOST="192.168.40.122"
PASSWD="mysteel"
CONNMYSQL="$MYSQL -u$USER -h$HOST -p$PASSWD -NBe "
HOSTZBX="Zabbix server"

SELECT hostid FROM hosts WHERE HOST = "Zabbix server";

$MYSQL -u$USER -P$passwd -Dzabbix -Be "

#内存使用情况，总，最近可用，一个月平均可用
#总内存
SELECT VALUE/1024/1024 as 总内存 FROM history_uint
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vm.memory.size[total]\") LIMIT 1\G;
#最近可用内存
SELECT VALUE/1024/1024 as 最近可用内存 FROM history_uint
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vm.memory.size[available]\") ORDER BY clock DESC
LIMIT 1\G;
#一个月平均可用内存
SELECT AVG(VALUE/1024/1024) as 一个月平均可用内存 FROM history_uint
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vm.memory.size[available]\")
and clock > UNIX_TIMESTAMP('2017-07-01 00:00:00') and clock < UNIX_TIMESTAMP('2017-08-01 00:00:00')\G;


#Swap使用情况，总，最近可用，一个月平均可用
#总Swap
SELECT VALUE/1024/1024 as 总Swap FROM history_uint
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"system.swap.size[,total]\") LIMIT 1\G;
#最近可用swap
SELECT VALUE/1024/1024 as 最近可用swap FROM history_uint
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"system.swap.size[,free]\") ORDER BY clock DESC LIMIT
1\G;
#一个月平均可用swap
SELECT AVG(VALUE/1024/1024) as 一个月平均可用swap FROM history_uint
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"system.swap.size[,free]\")
and clock > UNIX_TIMESTAMP('2017-07-01 00:00:00') and clock < UNIX_TIMESTAMP('2017-08-01 00:00:00')\G;


#系统负载，总，最近可用， 一个月平均可用
#一个月最大系统负载
SELECT max(VALUE_max) as 一个月最大系统负载 FROM trends
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"system.cpu.load[percpu,avg15]\")
and clock > UNIX_TIMESTAMP('2017-07-01 00:00:00') and clock < UNIX_TIMESTAMP('2017-08-01 00:00:00')\G;
#最近系统负载
SELECT VALUE_max as 最近系统最大负载, value_avg as 最近系统平均负载, value_min as 最近系统最小负载 FROM trends
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"system.cpu.load[percpu,avg15]\") ORDER BY clock DESC
LIMIT 1\G;
#一个月平均系统负载
SELECT avg(VALUE_max) as 一个月平均系统最大负载, avg(value_avg) as 一个月平均系统平均负载, avg(value_min) as 一个月平均系统最小负
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载 FROM trends
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"system.cpu.load[percpu,avg15]\")
and clock > UNIX_TIMESTAMP('2017-07-01 00:00:00') and clock < UNIX_TIMESTAMP('2017-08-01 00:00:00')\G;



#硬盘状态，正常否



#mysql数据目录即/mysqldata存储容量，总大小，已用，剩余，占比
#mysqldata分区总大小
SELECT VALUE/1024/1024 as mysqldata分区总大小 FROM history_uint WHERE itemid =
(SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vfs.fs.size[/mysqldata,total]\") limit 1\G;
#mysqldata分区已用大小
SELECT VALUE/1024/1024 as mysqldata分区已用大小 FROM history_uint WHERE itemid =
(SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vfs.fs.size[/mysqldata,used]\") limit 1\G;
#mysqldata分区剩余大小
SELECT VALUE/1024/1024 as mysqldata分区剩余大小 FROM history_uint WHERE itemid =
(SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vfs.fs.size[/mysqldata,free]\") limit 1\G;
#mysqldata分区可用空间占比
SELECT VALUE_max as mysqldata分区可用空间最大占比, value_avg as mysqldata分区可用空间平均占比, value_min as mysqldata分区可用空间最小占比 FROM trends WHERE itemid =
(SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vfs.fs.size[/mysqldata,pfree]\") limit 1\G;



#mysql备份目录即/mysqlbackup存储容量，总大小，已用，剩余，占比
#mysqlbackup总大小
SELECT VALUE/1024/1024 as mysqlbackup总大小 FROM history_uint WHERE itemid =
(SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vfs.fs.size[/mysqlbackup,total]\") limit 1\G;
#mysqlbackup已用大小
SELECT VALUE/1024/1024 as mysqlbackup已用大小 FROM history_uint WHERE itemid =
(SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vfs.fs.size[/mysqlbackup,used]\") limit 1\G;
#mysqlbackup剩余大小
SELECT VALUE/1024/1024 as mysqlbackup剩余大小 FROM history_uint WHERE itemid =
(SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vfs.fs.size[/mysqlbackup,free]\") limit 1\G;
#mysqlbackup可用空间占比
SELECT VALUE_max as mysqlbackup可用空间最大占比, value_avg as mysqlbackup可用空间平均占比, value_min as mysqlbackup可用空间最小占比 FROM trends WHERE itemid =
(SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"vfs.fs.size[/mysqlbackup,pfree]\") limit 1\G;


#系统I/O



#网卡流量，出流量，平均，最大；入流量，平均，最大
#出流量平均
SELECT avg(VALUE/1024) as 出流量平均 FROM history_uint
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"net.if.out[eth0]\")
and clock > UNIX_TIMESTAMP('2017-07-01 00:00:00') and clock < UNIX_TIMESTAMP('2017-08-01 00:00:00')\G;
#出流量最大
SELECT max(VALUE/1024) as 出流量最大 FROM history_uint
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"net.if.out[eth0]\")
and clock > UNIX_TIMESTAMP('2017-07-01 00:00:00') and clock < UNIX_TIMESTAMP('2017-08-01 00:00:00')\G;
#入流量平均
SELECT avg(VALUE/1024) as 入流量平均 FROM history_uint
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```
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"net.if.in[eth0]\")
and clock > UNIX_TIMESTAMP('2017-07-01 00:00:00') and clock < UNIX_TIMESTAMP('2017-08-01 00:00:00')\G;
#入流量最大
SELECT max(VALUE/1024) as 入流量最大 FROM history_uint
WHERE itemid = (SELECT itemid FROM items WHERE hostid = "10084" AND key_ = \"net.if.in[eth0]\")
and clock > UNIX_TIMESTAMP('2017-07-01 00:00:00') and clock < UNIX_TIMESTAMP('2017-08-01 00:00:00')\G;




#2. 数据库运行状况
#慢查询Top20 ： pt-query-digest.sql
#库表新建和删除情况 ：
#主从复制及切换情况
#备份成功率

#账号开设和关闭情况 ： 个人账号，应用账号

" > test03.sql

cat test03.sql | grep -v ^* | awk '{print $1 "\t\t\t" $2}' > test03.sql
```