

MySQL Replication Script - XYMon

Credit:

https://gist.github.com/roadst4r/2cb42793c0a7f9a7237a#file-mysql_repl_check-sh

<https://gist.github.com/ssimpson89/7207165>

<https://yashwantkumarsingh.wordpress.com/2015/05/06/mysql-replication-monitoring-by-a-bash-script-with-xymon/>

```
cat << 'EOL' >/etc/xymon/.sqlpwd
[mysql]
user=[USER]
password=[PASSWORD]
```

```
cat <<'EOL'>/usr/lib/xymon/client/ext/mysql_replication_check.sh
#!/bin/bash

COLUMN=sql_repl
COLOR=green
SERVER=$(hostname -f)
MSG="Checking SQL Slave Replication Status on $SERVER"
MYSQL="/usr/bin/mysql --defaults-extra-file=/etc/xymon/.sqlpwd"

##### Get Slave Status #####
MYSQL_STATUS=`echo "show slave status\G" | $MYSQL | sed -e 's/^[[:space:]]*/g' 2>&1`

##### Check For Last Error #####
LAST_ERRNO=`echo "$MYSQL_STATUS" | grep "Last_Errno" | awk '{ print $2 }'`

if [ "$LAST_ERRNO" != 0 ]
then
    ERROR="Error when processing relay log (Last_Errno)"
fi

##### Check if IO thread is running #####
IO_IS_RUNNING=`echo "$MYSQL_STATUS" | grep "Slave_IO_Running" | awk '{ print $2 }'`

if [ "$IO_IS_RUNNING" != "Yes" ]
then
    ERRORS="I/O thread for reading the master's binary log is not running (Slave_IO_Running)"
fi

##### Check for SQL thread #####
SQL_IS_RUNNING=`echo "$MYSQL_STATUS" | grep "Slave_SQL_Running" | awk '{ print $2 }'`

if [ "$SQL_IS_RUNNING" != "Yes" ]
then
    ERRORS="SQL thread for executing events in the relay log is not running (Slave_SQL_Running)"
fi

##### Check Replication Delay #####
SECONDS_BEHIND_MASTER=`echo "$MYSQL_STATUS" | grep "Seconds_Behind_Master" | awk '{ print $2 }'`

if [ "$SECONDS_BEHIND_MASTER" == "NULL" ]
then
    ERRORS="The Slave is reporting 'NULL' (Seconds_Behind_Master)"
elif [ "$SECONDS_BEHIND_MASTER" -gt 60 ]
then
    ERRORS="The Slave is at least 60 seconds behind the master (Seconds_Behind_Master)"
fi

##### XYMon Status #####
cmd="$($MYSQL -e 'show slave status\G' | sed -n '1!p' | sed -e 's/^[[:space:]]*/g' )"

if [ -n "$ERRORS" ]

then
    COLOR=red
    MSG="An error has been detected on $SERVER involving the MySQL Replication
```

```
    ""
    "${ERRORS}"
    "${cmd}"
    ""
else
    MSG="Mysql Replication for $SERVER is Running Well"
    ""
    "${cmd}"
    ""
fi

# Leave the rest of script alone
# Tell Xymon about it
$XYMON $XYMSRV "status $MACHINE.$COLUMN $COLOR `date`"

${MSG}
"

exit 0
EOL
```

```
sudo chown xymon:xymon /usr/lib/xymon/client/ext/mysql_replication_check.sh
sudo chmod 777 /usr/lib/xymon/client/ext/mysql_replication_check.sh
```

```
cat << 'EOL' >/etc/xymon/clientlaunch.d/mysql_replication_check.cfg
[sql_repl]
ENVFILE $XYMONCLIENTHOME/etc/xymonclient.cfg
CMD $XYMONCLIENTHOME/ext/mysql_replication_check.sh
LOGFILE $XYMONCLIENTHOME/logs/mysql_replication_check.log
INTERVAL 15m
EOL
```

```
/usr/lib/xymon/client/bin/xymoncmd /usr/lib/xymon/client/ext/mysql_replication_check.sh
```

Once confirmed working lock down PWD file:

```
sudo chmod 600 /etc/xymon/.sqlpwd
sudo chown xymon:xymon /etc/xymon/.sqlpwd
```

Restart Service :

```
sudo service xymon-client restart
```

XYMon Server :

```
sudo service xymon restart && sudo service apache2 restart
```