

## LinHES - Feature # 1012: xymon scripts that query /dev/disk/by-id look at the wrong disks when a raid disk is present

<b>Status:</b>	Closed	<b>Priority:</b>	Normal
<b>Author:</b>	thekingofspain	<b>Category:</b>	
<b>Created:</b>	05/06/2017	<b>Assignee:</b>	
<b>Updated:</b>	04/26/2018	<b>Due date:</b>	
<b>Description:</b>	the xymon-smart.sh and xymon-hddtmp.sh scripts have the following like the query disks:  ls /dev/disk/by-id/*   grep -ve '-part' -ve '/wwn-'    the line should be the following to remove the mdadm raid devices:  ls /dev/disk/by-id/*   grep -ve '-part' -ve '/wwn-' -ve '/md-'    In addition an the disks being used in mdadm raid are not going to to be listed in the subsequent mount query thus an addition check should be added to against the /proc/mdstat for the mounted raid disk  #check if device is directly mounted if ! mount   grep -q /dev/\$DISKDEV then # check if device is mounted by mdadm if ! cat /proc/mdstat   grep -q \$DISKDEV then continue fi fi		

### Associated revisions

04/26/2018 08:00 pm - brfransen

xymon: closes #1012

### History

05/06/2017 08:55 pm - thekingofspain

I tried to attach two files on the submit of this defect and received a web error on the submit. This then caused two other duplicate defects to be created. Attaching my versions of the files below.

h1. xymon-hddtemp.sh

<pre>

#!/bin/sh

# NOTE: Must be run as root, so you probably need to setup sudo for this.

```
ls /dev/disk/by-id/* | grep -ve '-part' -ve '/md-' -ve '/wwn- ' |
```

```
while read DISK
```

```
do
```

```
    DISKDEV=`ls -l $DISK | awk -F/ '{print $NF}'`
```

```
    DISKNAME=`echo $DISK | awk -F/ '{print $5}' | tr ":" " _ "`
```

```

#check if device is optical
if [[ $DISKDEV == "sr"* ]]
then
    continue
fi

#check if device is mounted
if ! mount | grep -q /dev/$DISKDEV
then
    # check if device is used by mdadm
    if ! cat /proc/mdstat | grep -q $DISKDEV
    then
        continue
    fi
fi

#check if SMART is disabled and enable
DRES=`sudo /usr/bin/smartctl -A $DISK`
if [[ $DRES == *"SMART Disabled. Use option -s with argument 'on"* ]]
then
    sudo /usr/bin/smartctl -s on $DISK
    DRES=`sudo /usr/bin/smartctl -A $DISK`
fi

hddtemp=`echo "$DRES" | grep Temperature_Celsius | awk '{print $10}'`

TEMP=": $hddtemp"
if [[ $hddtemp == "" ]]
then
    TEMP="- No Temp Sensor Found"
    COLOR="4&clear"
elif test $hddtemp -gt 55
then
    COLOR="1&red"
elif test $hddtemp -ge 50
then
    COLOR="2&yellow"
else
    COLOR="3&green"
fi

echo "${COLOR} $DISKNAME $TEMP"

done > /tmp/hddcheck

COLOR=`cat /tmp/hddcheck | awk '{print $1}' | sort | uniq | head -1 | cut -c3-`

# Report status to Xymon Server
$XYMON $XYMSRV "status ${MACHINE}.hddtemp ${COLOR} Hard Drive Temperatures (in &degC)
</pre>

h1. xymon-smart.sh
<pre>

```

```
#!/bin/sh
```

```
# NOTE: Must be run as root, so you probably need to setup sudo for this.
```

```
if test -f /tmp/dres; then rm -f /tmp/dres; fi
```

```
ls /dev/disk/by-id/* | grep -ve '-part' -ve '/md-' -ve '/wwn-' |
```

```
while read DISK
```

```
do
```

```
    DISKDEV=`ls -l $DISK | awk -F/ '{print $NF}`
```

```
    #check if device is optical
```

```
    if [[ $DISKDEV == "sr*" ]]
```

```
    then
```

```
        continue
```

```
    fi
```

```
    #check if device is directly mounted
```

```
    if ! mount | grep -q /dev/$DISKDEV
```

```
    then
```

```
        # check if device is used by mdadm
```

```
        if ! cat /proc/mdstat | grep -q $DISKDEV
```

```
        then
```

```
            continue
```

```
        fi
```

```
    fi
```

```
DRES=`sudo /usr/bin/smartctl -H -n standby $DISK`
```

```
DCODE=$?
```

```
#check if SMART is disabled and enable
```

```
if [[ $DRES == *"SMART Disabled. Use option -s with argument 'on'"* ]]
```

```
then
```

```
    sudo /usr/bin/smartctl -s on $DISK
```

```
    DRES=`sudo /usr/bin/smartctl -H -n standby $DISK`
```

```
    DCODE=$?
```

```
fi
```

```
DSTBY=$(( $DCODE & 2 ))
```

```
DFAIL=$(( $DCODE & 8 ))
```

```
DWARN=$(( $DCODE & 32 ))
```

```
if test $DSTBY -ne 0
```

```
then
```

```
    COLOR="4&clear"
```

```
elif test $DFAIL -ne 0
```

```
then
```

```
    COLOR="1&red"
```

```
elif test $DWARN -ne 0
```

```
then
```

```
    COLOR="2&yellow"
```

```
else
```

```
    COLOR="3&green"
```

fi

```
echo "${COLOR} $DISK (/dev/$DISKDEV)"
```

```
echo "${COLOR} $DISK (/dev/$DISKDEV)" | cut -c2- >>/tmp/dres
```

```
echo "" >>/tmp/dres
```

```
echo "$DRES" | egrep -v "^smartctl|^Copyright|^$|^===" >>/tmp/dres
```

```
echo "-----" >>/tmp/dres
```

```
echo "" >>/tmp/dres
```

```
echo "" >>/tmp/dres
```

```
done >/tmp/dcheck
```

```
COLOR=`cat /tmp/dcheck | awk '{print $1}' | sort | uniq | head -1 | cut -c3-`
```

```
$XYMON $XYMSRV "status ${MACHINE}.smart ${COLOR} SMART Health Check
```

```
`cat /tmp/dcheck | cut -c2-`
```

```
===== Detailed status =====
```

```
`cat /tmp/dres`
```

```
"
```

```
rm -f /tmp/dres /tmp/dcheck
```

```
exit 0
```

```
</pre>
```

**05/06/2017 09:02 pm - thekingofspain**

typo in xymon-hddtmp.sh

should be '/wwn-' vs '/wmm-'

not the baseline version of the xymon-hddtmp.sh script did not have the wwn filter but the xymon-smart.sh did.

**05/08/2017 08:24 pm - brfransen**

- *Tracker changed from Bug to Feature*

**04/26/2018 08:52 pm - brfransen**

- *% Done changed from 0 to 100*

- *Status changed from New to Closed*

Applied in changeset commit:168df166590c264c05a7385776d80c30591a6ba6.