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#!/bin/bash
#####
##### Disk Monitoring Script by Michael Reber -
v 1.0 #
#####
#####

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## Variable Definition & System Vorbereitungen: diskToCheck='/dev/sda' today=`date +"%Y-%m-%d"``
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# Before disk-check test, that disk is mounted! if grep "$diskToCheck" /etc/mstab > /dev/null 2>&1; then
```

```
## System dependency Check:
if [ -n "$(command -v apt-get)" ]; then
    if [ $(dpkg-query -W -f='${Status}' smartmontools 2>/dev/null | grep -c "ok installed") -eq 0 ]; then
        apt-get update && apt-get install smartmontools sendmail libnet-ssleay-perl libio-socket-ssl-perl -y;
    fi
else
    if [ $(yum -q list installed smartmontools &>/dev/null && echo "1" || echo "0") -eq 0 ]; then
        #yum install smartmontools -y;
        # TO DO
        exit 0
        #systemctl start rpcbind && systemctl enable rpcbind;
    fi
fi
```

```
# Create Disk Smart-OUTPUT and check Status:
OUTPUT="$(smartctl -a /dev/sda > /tmp/smartInfo && grep -oP '(?<=test result: )[^ ]+' /tmp/smartInfo)"
```

```
if [ "${OUTPUT}" = "PASSED" ]
then
    echo "Disk is Healty!"
    exit 0
else
    echo "Disk detected a SMART-Error!"
    sendmail -f "mail.blackgate@gmail.com" \
        -u "DETECTED A SMART-ERROR on `hostname`!" \
        -t "michael.r467@gmail.com" \
        -s "smtp.gmail.com:587" \
        -o tls=yes \
        -xu "mail.blackgate@gmail.com" \
        -xp "" \
        -o message-file="/tmp/smartInfo"
```

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fi  
exit 0
```

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else
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```
echo "Disk is not mountet!"
```

```
fi
```

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