

Disk Monitoring Skript

Skript, welches vom mir erstellt wurde, um automatisiert die Disk des backup-Servers auf SMART-Errors zu überprüfen.

Skript Sourcecode

Filename: **disk_monitoring.sh**

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

#####
#####

## Variable Definition & System Vorbereitungen:
diskToCheck='/dev/sda'
today=`date +"%Y-%m-%d"`

# Before disk-check test, that disk is mounted!
if grep "$diskToCheck" /etc/mtab > /dev/null 2>&1; then
    ## System dependency Check:
    if [ -n "$(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 "PASSWORT" \
        -o message-file="/tmp/smartInfo"
    fi
    exit 0
else
    echo "Disk is not mountet!"
fi
```

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