

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"`

# Optional: Before disk-check, test that disk is mounted! (Default
Auskommentiert!)
#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
    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 "PASSWORD" \
        -o message-file="/tmp/smartInfo"
    fi
exit 0
#else
#    echo "Disk is not mountet!"
#fi
```

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