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#!/bin/bash
# Han Sytsma, 8 februari 2017
# Backup van config bestanden
#
# Dag van de week vaststellen
dag=`date | awk '{print $1}'`
ddd=`date | awk '{print $3}'`
mmm=`date | awk '{print $2}'`
yyy=`date | awk '{print $6}'`
#
# Antwoord "dag" kan Engels of Nederlands zijn, even controlen in volgende regel of backup log
# echo $dag
#
# Log bestanden maken
LOGDIR="/var/log/backup"
if [ ! -d $LOGDIR ]
then
    mkdir $LOGDIR
fi

# Het uiteindelijke log
LOG=$LOGDIR"/Backup_van_`ddd`-`mmm`-`yyy`"
echo "Backup gestart op `date`" >> $LOG

# Backup device aangekoppeld? Zo nee koppelen
DEVICE=/dev/sda1
MOUNTPOINT=/mnt/sda1

# Eerst kijken of het device bestaat:
if [ -b $DEVICE ]
then
    echo "$DEVICE aanwezig, doorgaan" >> $LOG
else
    echo "$DEVICE afwezig, afbreken" >> $LOG
    cat $LOG | mail -s "Backup Raspberry-AX25 data op `date` mislukt" han@domain.uk
    exit 2
fi

# Kunnen we het device ook mounten, let op juiste filesystem!
if [ $(mount | grep -c $MOUNTPOINT) != 1 ]
then
    # -t ext3 -t ext4 (default is ext2)
    /bin/mount -t ext4 -o defaults $DEVICE $MOUNTPOINT || exit 1
    echo "$DEVICE op $MOUNTPOINT gemount, succes" >> $LOG
else
    echo "$DEVICE al op $MOUNTPOINT gemount" >> $LOG
fi

# Kijken of mounten gelukt is
if [ $(mount | grep -c $MOUNTPOINT) != 1 ]
then
    echo "mounten $DEVICE mislukt" >> $LOG
    cat $LOG | mail -s "Backup Raspberry-AX25 data op `date` mislukt" han@domain.uk
    exit 2
fi

# Backupdir definiëren en zo nodig aanmaken
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BACKUPDIR="$MOUNTPOINT/backup-raspberry-ax25"
if [ ! -d $BACKUPDIR ]; then
    mkdir $BACKUPDIR
fi

#
# Type backup bepalen
if [ $dag = "Sun" ]; then
    Backup=Delete
elif [ $dag = "zo" ]; then
    Backup=Delete
else
    Backup=Incremental
fi
#
# En nu de Backup
if [ $Backup = "Delete" ]; then
    # Normale backup en overtollige bestanden worden gewist (1x per week)
    echo "Zondag Backup met opschoning van `date`" >> $LOG

    echo "-----" >> $LOG
    rsync -azv --delete /etc/. $BACKUPDIR/etc/ >> $LOG

    echo "-----" >> $LOG
    rsync -azv --delete /home/. $BACKUPDIR/home/ >> $LOG

    echo "-----" >> $LOG
    rsync -azv --delete /root/. $BACKUPDIR/root/ >> $LOG

    echo "-----" >> $LOG
    if [ ! -d $BACKUPDIR/var ]
    then
        mkdir $BACKUPDIR/var
    fi
    rsync -azv --delete /var/ax25/. $BACKUPDIR/var/ax25/ >> $LOG

    echo "-----" >> $LOG
    if [ ! -d $BACKUPDIR/usr ]
    then
        mkdir $BACKUPDIR/usr
    fi
    rsync -azv --delete /usr/local/. $BACKUPDIR/usr/local/ >> $LOG

    echo "-----" >> $LOG
    if [ ! -d $BACKUPDIR/opt ]
    then
        mkdir $BACKUPDIR/opt
    fi
    rsync -azv --delete /opt/aprsc/. $BACKUPDIR/opt/aprsc/ >> $LOG
else
    # Normale incremental backup (dagelijks)
    echo "Dagelijkse Incremental Backup van `date`" >> $LOG

    echo "-----" >> $LOG
    rsync -azv /etc/. $BACKUPDIR/etc/ >> $LOG

    echo "-----" >> $LOG

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rsync -azv /home/. $BACKUPDIR/home/ >> $LOG

echo "-----" >> $LOG
rsync -azv /root/. $BACKUPDIR/root/ >> $LOG

echo "-----" >> $LOG
if [ ! -d $BACKUPDIR/var ]
then
    mkdir $BACKUPDIR/var
fi
rsync -azv /var/ax25/. $BACKUPDIR/var/ax25/ >> $LOG

echo "-----" >> $LOG
if [ ! -d $BACKUPDIR/usr ]
then
    mkdir $BACKUPDIR/usr
fi
rsync -azv /usr/local/. $BACKUPDIR/usr/local/ >> $LOG

echo "-----" >> $LOG
if [ ! -d $BACKUPDIR/usr/lib ]
then
    mkdir $BACKUPDIR/usr/lib
fi
rsync -azv /usr/lib/fbb/. $BACKUPDIR/usr/lib/fbb/ >> $LOG

echo "-----" >> $LOG
if [ ! -d $BACKUPDIR/opt ]
then
    mkdir $BACKUPDIR/opt
fi
if [ ! -d $BACKUPDIR/opt/aprsc ]
then
    mkdir $BACKUPDIR/opt/aprsc
fi
rsync -azv /opt/aprsc/etc/. $BACKUPDIR/opt/aprsc/etc/ >> $LOG
fi
#

# Zorgen dat data geschreven is voor schijf te unmounten
sleep 2m

/bin/umount $DEVICE
echo " " >> $LOG
echo "-----" >> $LOG
echo "$DEVICE is niet meer gemount" >> $LOG
echo "Backup gereed op `date`" >> $LOG

cat $LOG | mail -s "Backup Raspberry-AX25 data op `date`" han@domain.uk

exit 0
```