count-packets.sh

```bash
#!/bin/bash
#
# 2008 Oliver Voelker <info(at)ovtec.it>
#
# Pakete pro Sekunde fuer ein bestimmtes Interface ermitteln
#

if [ -z $1 ]; then
  echo "Usage: $0 <interface> [<time>]"
  echo "Default measure time is 10 seconds"
  exit 0
fi

if [ -z $2 ]; then
  TIME=10
else
  TIME=$2
fi

DEV=$1

RUN=`ifconfig $DEV | grep "X packets"`
if [ $? -ne 0 ]; then
  echo "Fehler!"
  exit 1
fi

RX1=`echo $RUN | cut -d" " -f2 | cut -d":" -f2`
TX1=`echo $RUN | cut -d" " -f8 | cut -d":" -f2`

#echo "RX-1: $RX1"
#echo "TX-1: $TX1"

sleep $TIME

RUN=`ifconfig $DEV | grep "X packets"`
if [ $? -ne 0 ]; then
```

```
  echo "Fehler!"
  exit 1
fi


RX2=`echo $RUN | cut -d" " -f2 | cut -d":" -f2`
TX2=`echo $RUN | cut -d" " -f8 | cut -d":" -f2`


#echo "RX-2: $RX2"
#echo "TX-2: $TX2"


RX=$(($RX2 - $RX1))
TX=$(($TX2 - $TX1))
RXps=$(($RX / $TIME))
TXps=$(($TX / $TIME))


echo "RX in $TIME seconds: $RX (RX per second: $RXps)"
echo "TX in $TIME seconds: $TX (TX per second: $TXps)"
```