

# count-packets.sh

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#!/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)"
```

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